TECHNICAL MEMORANDUM
SUMMARY OF PHASE 3 SOIL VAPOR SAMPLING IN AREA IV, SANTA SUSANA FIELD LABORATORY, VENTURA COUNTY, CALIFORNIA

Prepared For:

THE DEPARTMENT OF ENERGY

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Shelby Valenzuela, P.G. 7852
MWH Field Team Leader

David Collins, P.E.
MWH Project Manager

MWH

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LIST OF ABBREVIATIONS AND ACRONYMS

%D	percent difference
%RSD	relative standard deviation
AOC	Administrative Order of Consent
bgs	below ground surface
cc	cubic centimeter
CDM	CDM Smith
COC	chain of custody
DOE	United States Department of Energy
DQO	data quality objective
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
DUAR	Data Usability Assessment Report
EPA	United States Environmental Protection Agency
EST	Environmental Support Technologies
ft	feet
GC	gas chromatography
GPS	global positioning system
ICV	initial calibration verification
ID	identification
LCS	laboratory control sample
MDL	method detection limit
MFSP	Master Field Sampling Plan
mL/min	milliliters per minute
MRL	method reporting limit
MS	mass spectrometry
MWH	MWH Americas, Inc.
NELAP	National Environmental Laboratory Accreditation Program
PID	photoionization detector
ppmv	parts per million by volume

LIST OF ABBREVIATIONS AND ACRONYMS (Continued)

QC	quality control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SSFL	Santa Susana Field Laboratory
SDG	sample delivery group
SOP	standard operating procedure
TM	Technical Memorandum
USCS	Unified Soil Classification System
VOC	volatile organic compound

1.0 INTRODUCTION

This technical memorandum (TM) has been prepared to summarize activities associated with collection of soil vapor samples in Area IV of the Santa Susana Field Laboratory (SSFL) in accordance with Addendum 12 to the Master Field Sampling Plan (MFSP) for Chemical Data Gap Investigation, Phase 3 Soil Vapor Implementation for Area IV, Santa Susana Field Laboratory (Soil Vapor Implementation Plan) (MWH Americas, Inc. [MWH], 2014a) and the SSFL Standard Operating Procedure (SOP) 20 to Work Plan for Chemical Data Gap Investigation, Phase 3 Soil Chemical Sampling at Area IV (MFSP SOP 20) (MWH, 2014b). These documents describe the sample rationale and procedures for soil vapor sampling and supplement the Work Plan for Chemical Data Gap Investigation, Phase 3 Soil Chemical Sampling at Area IV, Santa Susana Field Laboratory (Phase 3 Work Plan) (CDM Smith [CDM], 2012). This TM was prepared for the United States Department of Energy (DOE) and is in compliance with the Administrative Order of Consent (AOC) for Remedial Action (AOC; Docket No. HSA-CO 10/11 - 037).

The purpose of this TM is to describe the completed field activities and present soil vapor analytical results and data quality associated with the sampling efforts performed under the Phase 3 Soil Vapor Implementation Plan. This TM does not include soil matrix analytical results for samples collected from the soil vapor investigation locations, or an evaluation/ interpretation of the soil and soil vapor analytical data. Analytical data from soil matrix samples will be presented in a separate TM prepared by CDM. The data evaluation and interpretation process will be a collective review process of all media and will be presented at a future date in a Final Data Summary Report.

1.1 SOIL VAPOR SAMPLING OBJECTIVES

The objective of the soil vapor sampling conducted within Area IV of the SSFL was to obtain volatile organic compound (VOC) data that will be used to evaluate whether the nature and extent of contamination at potential source areas are characterized sufficiently for remediation per the AOC. The sample locations were selected based on a targeted (or “biased”) approach that focused on known or suspected chemical use areas (such as tanks, buildings, and reactors). Soil vapor sampling was also performed in areas of groundwater VOC impacts where surface release sources could not be identified.

1.2 REPORT ORGANIZATION

The information in this TM is presented in sections organized as follows:

- **Section 1.0 – Introduction**

  This section presents the purpose and objective of this technical memorandum.

- **Section 2.0 –Field Sampling and Analytical Methods**

  This section describes field sampling procedures and laboratory analytical methods associated with the soil vapor sampling.

- **Section 3.0 –Sampling Results**

  This section summarizes analytical results for soil vapor samples.

- **Section 4.0 – Data Usability Assessment**

  This section summarizes the assessment of analytical results quality for soil vapor samples.

- **Section 5.0 – References**
  This section lists the references cited in this report.

2.0 FIELD SAMPLING AND ANALYTICAL METHODS

Field activities at the 153 planned soil vapor sample locations within Area IV were performed by MWH between May and June 2014. Specific rationale for targeting each soil vapor sample location and depth is provided in the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) -approved Soil Vapor Implementation Plan (MWH, 2014a). The soil vapor sample locations are shown on Figure 2-1. A total of 177 primary soil vapor samples were collected from probes installed at 106 locations. A total of 66 primary soil matrix samples were collected from 56 locations and analyzed for VOCs when soil vapor samples could not be collected due to shallow bedrock or refusal (less than 5.5 feet [ft] below ground surface [bgs]), or there was anticipated or measured high vacuum conditions from the soil vapor probe based on lithology. Neither soil vapor or soil matrix were collected at 11 locations, including 6 locations that were inaccessible due to active bird nesting and 5 locations where soil was less than 3 feet thick (see Section 2.5 for additional information). Table 2-1 provides a summary of collected soil vapor and quality control (QC) samples.

2.1 SOIL VAPOR PROBE INSTALLATION

Before soil probe installation, a lithologic boring log was prepared detailing descriptions of soil removed from the boring via continuous coring or hand auger in accordance with the Unified Soil Classification System (USCS) (American Standard for Testing and Materials [ASTM], 2009) and following the procedures outlined in SOP 9 of the Phase 3 Work Plan (CDM, 2012). Borings were logged to bedrock or refusal and geologic interpretation of soils were used to determine the final soil vapor probe construction. Single and multiple depth soil vapor probe construction detail forms were completed to document compliance with, deviation from, or additional details associated with the installation of the vapor probes. Soil boring logs and soil vapor probe construction details are included in Appendix A. All field work logging was performed and supervised by a California Professional Geologist.

The selection of depth intervals for soil vapor probe installation and sampling involved site-specific decisions and took into consideration the thickness of the unconsolidated alluvium and the depth to the weathered bedrock. Sample depths were adjusted as needed to target the coarsest-grained material, photoionization detector (PID) headspace detections, and to avoid fine-grained materials.

Temporary soil vapor probes were installed using hand auger and direct-push methods according to procedures outlined in SOP 20 of the Phase 3 Work Plan (MWH, 2014b). However, due to the potential for bridging and clogging of hydrated bentonite in the annular space associated with using a tremie pipe, the method used for filling the annular space with hydrated bentonite was by 6-inch lifts (see Section 2.5 for additional information). Each lift was hydrated at a rate of one ounce of water for every inch of bentonite seal within the borehole. The drilling and soil vapor probe installation activities were performed by Environmental Support Technologies (EST) of Irvine, California.

Global positioning system (GPS) coordinates and photos were collected at each completed soil vapor sample location.

2.2 SOIL VAPOR SAMPLE COLLECTION

Soil vapor samples were collected in accordance with procedures outlined in SOP 20 of the Phase 3 Work Plan (MWH, 2014b). Before sample collection, a minimum 48-hour equilibrium time passed to allow subsurface conditions to equilibrate and vapor concentrations to stabilize after probe installation. Soil vapor probes were purged to remove stagnant or ambient air from the sampling system and samples collected were representative of subsurface conditions. A helium leak test was performed at every active vapor monitoring point each time a soil vapor sample was collected. Due to schedule constraints and limited resources, two methods of sample collection were employed during field work. Samples were either collected in glass bulbs and analyzed on site by a mobile laboratory or collected in summa canisters for analysis by an offsite stationary laboratory. Samples collected in glass bulbs were analyzed by United States Environmental Protection Agency (EPA) Method 8260B and samples collected in summa canisters were analyzed by EPA Method TO-15. All active soil vapor samples were collected during dry weather to limit soil moisture variability.

Soil vapor sample containers were labeled with unique sample identification (ID) following CDM's nomenclature as defined in the Phase 3 Work Plan (CDM, 2012). Container IDs previously assigned to reusable sample containers by the laboratory (such as Bulb IDs for glass bulbs) were recorded on soil vapor sampling form. Once the soil vapor sample was collected and disconnected from the probe, the sample container was immediately labeled with the sample ID information and collection date. Documentation of soil vapor sampling was recorded on the soil vapor sampling form and this information was used to generate the COC.

Glass bulb soil vapor samples were immediately submitted under proper COC to the onsite mobile laboratory for analysis. The mobile laboratory added surrogates to soil vapor samples collected in glass bulbs within 15 minutes of collection. Glass bulb soil vapor samples were wrapped in aluminum foil and stored out of direct sunlight to prevent the degradation of light-sensitive compounds.

Summa soil vapor samples were shipped under proper COC to an offsite stationary laboratory for analysis. The offsite stationary laboratory added surrogates to soil vapor samples collected in summa canisters before analysis. The shipment of summa soil vapor samples to offsite stationary laboratories was performed following the procedures outlined in SOP 11 of the Phase 3 Work Plan (CDM, 2012).

EST collected the soil vapor samples using glass bulbs and analyzed the samples in a mobile laboratory for VOCs using EPA Method 8260B. EST also collected the soil vapor samples using summa canisters for analysis at an offsite stationary laboratory using EPA Method TO-15. Eurofins Lancaster Laboratories Environmental (Lancaster), located in Lancaster, Pennsylvania; Eurofins Calscience Environmental Laboratory (Calscience), located in Garden Grove, California; and TestAmerica Laboratories, Inc (TestAmerica), located in Arvada, Colorado analyzed samples for VOCs using EPA Method TO-15. All laboratories that performed analysis for the soil vapor study are National Environmental Laboratory Accreditation Program (NELAP)-accredited environmental testing laboratories.

2.3 FIELD QUALITY CONTROL ACTIVITIES

A leak test using helium was performed at every active vapor probe location each time a soil vapor sample was collected. Helium was used because it has not been identified as a potential contaminant in Area IV at the SSFL and allows for leak detection in real-time so that corrective action can be taken before sampling. If a helium reading of greater than 5 percent or 50,000 parts per million by volume (ppmv) was measured, then the probe leak check failed and corrective action was required. All leaks identified during this soil vapor study were found in the sample train and were immediately corrected. No replacement vapor probes were installed as a result of ambient air break through.

Each glass bulb container was observed for condensation before and after soil vapor sampling. No condensation was noted in any glass bulbs used for sampling. The vacuum on each summa canister was checked on the vacuum gauge to confirm the proper flow rate of 100 to

200 milliliters per minute (mL/min) was maintained while sampling. One summa canister was discarded due to the lack of vacuum.

A sample flow rate of 100 to 200 mL/min must be achieved when sampling soil vapor probes. When high vacuum was measured at a sample probe (greater than 100 inches of water), then a sample was not collected from that probe. In general, if a soil matrix sample had not been collected during probe installation in anticipation of high vacuum conditions based on lithology, a new probe was installed and attempted to be sampled and a soil matrix sample was collected and analyzed for VOCs (see Section 2.5 see Section 2.5 for additional information).

2.3.1 Duplicates and Split Samples

At least one field duplicate sample and one split sample were collected per day for the mobile laboratory and one per 20 samples for the primary offsite stationary laboratory. Duplicate and split samples were collected at the same time as the primary sample, in separate sample containers at the same location and depth as the primary sample. The analysis of the duplicate sample was performed by the same laboratory that performs the primary sample analysis and the analysis of the split sample was performed by an offsite stationary laboratory different than the primary laboratory.

2.3.2 Field Blank Samples

One field blank was collected daily for each primary laboratory to assess the possibility of contamination from ambient air.

2.3.3 Sample Container Decontamination

Sample containers, both summa and glass bulb, were certified as clean by the supplier or verified to be clean by laboratory analysis. Glass bulb sample containers were decontaminated after each use by the mobile laboratory. To verify the glass bulb decontamination procedures, the mobile laboratory used one glass bulb as an equipment blank daily.

2.4 ACTIVE SOIL VAPOR ANALTICAL LABORATORY METHODS

Soil vapor sample analyses were performed by an onsite mobile laboratory and an offsite stationary laboratory. All laboratories used to analyze the active vapor samples are certified by the State of California for the method of analysis.

2.4.1 Target Analytes, Analytical Methods and Method Detection Limits

Target analytes and the method reporting limits (MRLs) for EPA Method 8260B and EPA TO-15 are included in SOP 20 of the Phase 3 Work Plan (MWH, 2014b). For onsite soil vapor sample analysis, the required MRLs were achieved using an onsite mobile laboratory equipped with a gas chromatography/mass chromatography (GC/MS) instrument and a purge and trap apparatus modified to accept a 100 cubic centimeter (cc) sample aliquot.

2.4.2 Analytical Laboratory Quality Control Procedures

Instrument setup and calibration for the onsite mobile laboratory and offsite stationary laboratory resulted in the complete resolution of targeted compounds provided in Table 4-1 of SOP 20. For the mobile laboratory, the initial calibration was performed upon arrival at the site and whenever:

- The mobile laboratory changed location;
- The GC column was changed; and
- The daily mid-point calibration check did not meet requirements.

For offsite stationary laboratories, daily calibration checks were performed prior to each instrument analyzing the first sample and whenever:

- The GC column was changed; and
- The daily mid-point calibration check did not meet requirements.

At a minimum, at least five different concentration levels were used for the initial calibration. The relative standard deviation (%RSD) for the target compound average response factor limits are listed in Table 4-1 of the SOP 20. Each initial calibration was verified by an initial calibration verification or laboratory control sample (LCS). The onsite mobile laboratory also performed an additional MRL level initial calibration verification (ICV)/LCS daily, prior to the analysis of any samples.

Each day that samples were analyzed by the onsite mobile or offsite stationary laboratory, the calibration was checked. The daily calibration check standard contained the target compounds at concentrations at or near the mid-point of the calibration. The percent difference (%D) for each response factor limits are summarized in Table 4-1 of SOP 20.

2.4.3 Data Review Processes

As data were reported by laboratories, a data review process was implemented to ensure appropriate feedback and correction of errors. These steps included:

- As samples were submitted to the laboratory, the COC would be checked against the laboratory acknowledgement of sample receipt form. Any sample log-in errors were identified and corrected at that time.
- A sample tracking spreadsheet was updated to track the samples collected, sample dates, lab receipts, laboratory sample delivery group (SDG) numbers, field QC sample information, sample location coordinates, and laboratory deliverables required including reports, electronic data deliverable, raw data, and the status of validation.
- When the laboratory report was received by e-mail, a preliminary review of the data was performed for accuracy.
- A check of the requested analysis on the COC against the reported data in the laboratory report was performed.
- A complete review of the laboratory case narratives was conducted.

2.5 DEVIATIONS FROM THE SOIL VAPOR IMPLEMENTATION PLAN

Deviations during field work and sample collection from the proposed sample rationale in the Soil Vapor Implementation Plan and SOPs in the Phase 3 Work Plan are discussed in the sections below. Deviations did not impact achieving the data quality objectives (DQOs) of this sampling event.

2.5.1 Soil Vapor

Soil vapor investigation locations were adjusted as necessary based on field conditions (e.g., infrastructure, sensitive animal and plant species, or archaeological artifacts). The modified locations did not impact achieving the DQOs of this sampling event. During probe installation, the preferred method for filling the annular space with hydrated bentonite was by addition of 6-inch lifts to avoid bridging and clogging of hydrated bentonite in the annular space associated with using a tremie pipe. Each lift was hydrated at a rate of one ounce of water for every inch of bentonite seal within the borehole. The method of hydrating the bentonite using six inch lifts is a standard practice at the SSFL and was discussed as an alternate approach in the procedures outlined in SOP 20. Therefore, this method of soil vapor probe construction was not a deviation, but is discussed in this section to clarify what was implemented.

As stated in Section 2.3, a sample flow rate of 100 to 200 mL/min must be achieved when sampling soil vapor probes. When high vacuum was measured at a sample probe (greater than

100 inches of water), a sample was not collected. Six soil vapor probes measured high vacuum, including 5BSV_DG-562 (10.5 to 11.5 ft bgs), 5BSV_DG-563 (4.5 to 5.5 ft bgs), 5CSV_DG-549 (7.0 to 8.0 ft bgs), 5CSV_DG-561 (11.5 to 12.5 ft bgs), 5DSV_DG-556 (10.0 to 11.0 ft bgs), and 6SV_DG-509 (20.0 to 21.0 ft bgs). A new probe was subsequently installed and successfully sampled at 5BSV_DG-549 and 5CSV_DG-562. A new probe was installed at 5BSV_DG-561 but high vacuum was still measured; therefore, a soil sample was collected and analyzed for VOCs. New probes were not installed at 5BSV_DG-563, 5DSV_DG-556, and 6SV_DG-509 either due to shallow soils, because a soil sample had been collected and analyzed for VOCs, or it was determined that data from nearby soil vapor probes provide sufficient data for remedial planning.

Prior to and during sampling, biological, archaeological, and Native American cultural monitors inspected proposed sampling locations for signs of sensitive species and archaeological artifacts. If sensitive species or artifacts were observed, the sampling area was protected and sampling postponed until the sensitive species was no longer present, or in the case of plant species and cultural artifacts, deferred indefinitely. During sampling activities, six soil vapor sampling locations in Subarea 5A (i.e., 5ASV_DG-549, -573, -589, -590, -602, -606) were identified within an active bird nesting area and could not be sampled. DOE communicated the decision to defer sampling to the remedial planning phase along with rationale for each location in a letter to DTSC dated July 31, 2014 (DOE, 2014c). If VOC data at these locations is deemed necessary during the remedial planning phase, samples will be collected.

There were no deviations from the analytical suites proposed in the Soil Vapor Implementation Plan.

2.5.2 **Soil Sampling**

- As discussed in the DTSC Soil Gas Advisory (DTSC, et all, 2012) and SOP 20, soil samples are to be collected in lieu of soil vapor samples and analyzed using EPA Method 8260B when soils were less than 5.5 ft bgs. In general, soil samples being analyzed for VOC are only collected if soils are at least 3 feet thick, except in cases where asphalt or concrete are present above the soil. However, to be consistent with CDM's soil sampling procedures, soil samples were collected for VOC analysis as shallow as 1.5 feet bgs, even when asphalt or concrete were not present above the soil. Soil samples were not collected from 4 locations due to thin soils and no asphalt or concrete present, including 5ASV_DG-623, 5BSV_DG-527, 5BSV_DG-582, and 5BSV_DG-597).

3.0 SAMPLING RESULTS

3.1 SOIL VAPOR SAMPLING RESULTS

Sampling activities were completed in accordance with the Phase 3 Work Plan (CDM, 2012) and the SOP 20 of the Phase 3 Work Plan (MWH, 2014b). A total of 177 primary soil vapor samples, 19 soil vapor field duplicate samples, 19 soil vapor split samples, 16 field/equipment blanks, and 23 ambient air blanks were collected from 106 locations. Table 2-1 provides a summary of the primary, duplicate, and split samples collected including sample name, sample types (e.g., primary, split), sample depth, matrix, and analysis. Table 3-1 is a summary of soil vapor data by analyte and includes the detection frequency, the minimum and maximum detected concentrations, the range of (method detection limit) MDL and MRLs, and the object name and depth of the maximum detected concentration. Appendix B is a complete set of all validated primary, duplicate, and split sample data organized by sample location in tabular format. The laboratory analytical reports for data collected during the soil vapor implementation are included as Appendix C.

3.2 SOIL SAMPLING RESULTS

Soil sample were collected for VOC analysis when soil vapor samples could not be collected due to shallow bedrock or refusal (less than 5.5 ft bgs), or there was anticipated or measured high vacuum conditions from the soil vapor probe based on lithology. A total of 66 primary soil samples, 2 soil duplicate samples, and 1 soil split samples were collected from 56 locations. Soil matrix sample analytical results will be presented by CDM in a separate technical memorandum.

4.0 DATA VALIDATION AND USABILITY ASSESSMENT

The purpose of the data usability assessment provided in Appendix D and discussed here is to: 1) summarize the data validation performed on the data sets, and 2) determine whether the sample results meet the DQOs outlined in the Phase 3 Work Plan (CDM, 2012).

4.1 DATA VALIDATION

The laboratories provided data reporting packages to MWH and an independent validation firm, MECx. A MECx chemist performed a Level V data validation of 100% of the data in accordance with the EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2008) and individual method requirements and guidelines from the SSFL Quality Assurance Project Plan (QAPP) (MECx, 2013). This encompassed an evaluation of sample collection procedures, holding times, instrument calibration summary information (to assess system performance), blanks (to assess contamination), sample duplicates (to assess precision), laboratory control samples (to assess accuracy), and matrix spike and surrogate spike recoveries (to assess accuracy and matrix effects). Upon completion of the data review process MECx provided a comprehensive data validation report for each data package and a Data Usability Assessment Report (DUAR) summarizing the review process and results in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity. The data validation reports and DUAR are included in Appendix D.

4.2 DATA QUALITY ASSESSMENT

Analytical data generated during the Phase 3 Soil Vapor Sampling in Area IV were validated according to the QAPP. No data were flagged as rejected, and all results are usable as qualified. A summary of data qualified as a result of the verification process is presented in Table 4-1. MWH reviewed the data validation reports and the DUAR, and assessed the qualified data against the DQOs for the project. MWH concluded that all DQOs specified in Final Phase 3 Work Plan were achieved.

5.0 REFERENCES

ASTM, 2009, Standard Method for Description and Identification of Soils) Visual-Manuel Method) D2488-09A.

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MWH, 2014b. SSFL Standard Operating Procedures (SOP) 20 to Work Plan for Chemical Data Gap Investigation Phase 3 Soil Chemical Sampling at Area IV, Santa Susana Field Laboratory, Ventura County, California – Final Soil Vapor SOP for DOE Sites. March.

MWH, 2014c. Remaining Sampling Locations Within Bird Nesting Areas, Final Phase 3 Data Gap Analysis, Santa Susana Field Laboratory, Ventura County, California. July.

TABLES

TABLE 2-1
PHASE 3 SOIL VAPOR
SAMPLING AND ANALYTICAL SUMMARY
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
(Page 1 of 5)

Object Name	Sample Name	Sample Type	Parent Sample Name	Sampling Depth (ft bgs)	Collection Date	Matrix Type	Analysis	Validated	Remediation Status
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/10/2014 8:24	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	11.0	6/10/2014 8:51	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	16.0	6/10/2014 9:12	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	21.0	6/10/2014 9:54	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	26.0	6/10/2014 10:56	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/10/2014 11:30	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	11.0	6/10/2014 12:04	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	16.0	6/10/2014 12:39	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	21.0	6/10/2014 13:03	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	26.0	6/10/2014 14:19	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	26.0	6/10/2014 14:19	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6.5	6/11/2014 7:54	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 8:24	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	11.0	6/11/2014 8:50	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	8.5	6/11/2014 10:50	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 9:31	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	10.0	6/11/2014 10:02	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	5.5	6/10/2014 10:23	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	5.5	6/10/2014 10:57	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	9.5	6/10/2014 11:24	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/10/2014 12:26	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	7.0	6/10/2014 12:57	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	7.0	6/10/2014 13:42	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 11:26	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	11.5	6/11/2014 11:54	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 13:35	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6.0	6/11/2014 13:43	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	13.0	6/11/2014 14:10	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	7.0	6/11/2014 11:24	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	8.0	6/11/2014 12:34	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 13:03	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 13:43	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/12/2014 9:16	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	8.0	6/12/2014 13:20	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	8.0	6/12/2014 13:20	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	7.5	6/12/2014 10:03	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6.0	6/12/2014 11:01	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	5.5	6/12/2014 10:33	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	7.0	6/12/2014 11:25	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6.5	6/12/2014 7:48	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6.5	6/12/2014 7:48	Soil Vapor	VOCs	Yes	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	8.0	6/12/2014 12:01	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	8.0	5/21/2014 15:50	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	7.8	5/21/2014 11:11	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	7.0	5/21/2014 12:23	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	13.5	5/21/2014 12:47	Soil Vapor	VOCs	Yes	In Place

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Object Name	Sample Name	Sample Type	Parent Sample Name	Sampling Depth (ft bgs)	Collection Date	Matrix Type	Analysis	Validated	Remediation Status
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	13.5	5/21/2014 12:55	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	9.0	6/13/2014 8:35	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	9.0	6/13/2014 8:35	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	14.0	6/13/2014 8:59	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	14.0	6/13/2014 9:05	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	5/21/2014 9:15	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	13.5	5/21/2014 9:57	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	7.75	5/21/2014 14:31	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	6/4/2014 11:40	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	11.0	6/4/2014 12:53	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	17.75	6/4/2014 13:20	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6.3	6/5/2014 11:53	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6.3	6/5/2014 12:00	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	8.2	6/5/2014 13:02	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	5.5	6/11/2014 8:08	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	5.5	6/11/2014 8:08	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	8.0	5/22/2014 14:30	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	8.0	5/22/2014 14:38	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	10.0	6/13/2014 9:35	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	5/22/2014 12:09	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	9.0	6/13/2014 10:05	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	5.5	6/11/2014 8:56	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	5.5	6/11/2014 9:01	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6.2	6/11/2014 10:56	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	9.0	6/6/2014 12:30	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	7.5	6/11/2014 9:36	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	8.0	6/18/2014 8:09	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	8.0	6/18/2014 8:09	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	6/9/2014 11:03	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	11.0	6/9/2014 11:31	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	16.0	6/9/2014 12:25	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	21.0	6/9/2014 12:49	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	7.0	6/6/2014 9:27	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	6/11/2014 10:21	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6.0	6/6/2014 10:18	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	9.0	6/18/2014 9:10	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	9.0	6/18/2014 9:18	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6.5	6/6/2014 10:45	Soil Vapor	VOCs	Yes	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	5.5	6/6/2014 11:19	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/2/2014 10:52	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	11.0	6/2/2014 11:24	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	11.0	6/2/2014 11:24	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	16.0	6/2/2014 11:59	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	16.0	6/2/2014 12:08	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/3/2014 9:15	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6.0	6/3/2014 9:15	Soil Vapor	VOCs	Yes	In Place

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5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	11.5	6/3/2014 9:41	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	9.25	6/3/2014 10:14	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	8.0	6/18/2014 11:08	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	14.0	6/18/2014 11:53	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/18/2014 10:20	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/10/2014 8:28	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6.0	6/10/2014 8:28	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	13.5	6/10/2014 9:10	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	13.5	6/10/2014 9:16	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/5/2014 10:43	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	12.0	6/5/2014 11:08	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	19.0	6/6/2014 12:02	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/5/2014 8:41	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	11.5	6/5/2014 9:06	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/5/2014 13:41	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	11.0	6/6/2014 7:46	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	11.0	6/6/2014 7:56	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	16.0	6/6/2014 8:22	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	21.0	6/6/2014 8:49	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	21.0	6/6/2014 8:49	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6.5	6/5/2014 10:02	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6.5	6/5/2014 10:02	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	7.5	5/29/2014 8:42	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	7.5	5/29/2014 8:49	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/3/2014 10:59	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	11.0	6/3/2014 11:22	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	16.0	6/3/2014 11:50	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	16.0	6/3/2014 11:56	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/3/2014 12:56	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	12.0	6/3/2014 13:15	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	19.0	6/4/2014 7:28	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	7.0	6/13/2014 10:34	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/5/2014 7:39	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	14.0	6/5/2014 7:58	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6.0	6/10/2014 9:44	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6.0	6/4/2014 8:32	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6.0	6/4/2014 8:32	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	11.0	6/4/2014 8:51	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	16.0	6/4/2014 9:09	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	21.0	6/4/2014 9:29	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	31.0	6/4/2014 9:49	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	41.0	6/4/2014 10:10	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	41.0	6/4/2014 10:16	Soil Vapor	VOCs	Yes	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	7.8	5/29/2014 13:39	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/27/2014 8:32	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	6.0	5/27/2014 8:32	Soil Vapor	VOCs	Yes	In Place

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5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	14.0	5/27/2014 9:09	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	19.0	5/27/2014 9:42	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	8.5	5/28/2014 12:50	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5.5	5/28/2014 9:46	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	10.5	5/28/2014 10:19	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/27/2014 12:32	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	12.0	5/27/2014 13:03	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	17.75	5/27/2014 13:34	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/27/2014 10:15	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	11.0	5/27/2014 10:45	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	16.5	5/27/2014 11:22	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/28/2014 8:16	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	6.0	5/28/2014 8:16	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	13.8	5/28/2014 8:57	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	13.8	5/28/2014 9:05	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	6.0	5/28/2014 10:55	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	15.0	5/28/2014 11:26	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	9.5	5/29/2014 9:30	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	8.5	5/29/2014 10:12	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/29/2014 10:46	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/29/2014 11:20	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5.5	5/29/2014 12:29	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	9.5	5/29/2014 13:00	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5.0	5/28/2014 13:25	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	11.0	5/29/2014 7:50	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	11.0	5/29/2014 7:50	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/30/2014 7:46	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	6.0	5/30/2014 7:46	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	11.0	5/30/2014 8:19	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-546	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	11.0	5/30/2014 8:25	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	17.0	5/30/2014 11:21	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	6.0	5/30/2014 9:39	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	12.0	5/30/2014 10:07	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	18.0	5/30/2014 10:42	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	5.5	6/9/2014 8:28	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	5.5	6/9/2014 8:28	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	10.0	6/9/2014 9:08	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	10.0	6/9/2014 9:14	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	15.0	6/9/2014 9:50	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	20.0	6/9/2014 10:27	Soil Vapor	VOCs	Yes	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	5.5	6/9/2014 13:40	Soil Vapor	VOCs	Yes	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6.0	6/12/2014 10:04	Soil Vapor	VOCs	Yes	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	11.0	6/12/2014 10:36	Soil Vapor	VOCs	Yes	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	16.0	6/12/2014 11:07	Soil Vapor	VOCs	Yes	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	8.9	6/12/2014 9:28	Soil Vapor	VOCs	Yes	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6.5	6/12/2014 8:38	Soil Vapor	VOCs	Yes	In Place

TABLE 2-1
PHASE 3 SOIL VAPOR
SAMPLING AND ANALYTICAL SUMMARY
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Sampling Depth (ft bgs)	Collection Date	Matrix Type	Analysis	Validated	Remediation Status
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6.5	6/12/2014 8:48	Soil Vapor	VOCs	Yes	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	8.5	6/19/2014 11:35	Soil Vapor	VOCs	Yes	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6.0	6/13/2014 10:56	Soil Vapor	VOCs	Yes	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	11.0	6/13/2014 11:22	Soil Vapor	VOCs	Yes	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	11.0	6/13/2014 11:22	Soil Vapor	VOCs	Yes	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	5.5	6/13/2014 10:16	Soil Vapor	VOCs	Yes	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	8.0	6/13/2014 8:53	Soil Vapor	VOCs	Yes	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	13.0	6/13/2014 9:24	Soil Vapor	VOCs	Yes	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	5.45	6/19/2014 11:09	Soil Vapor	VOCs	Yes	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	5.5	6/3/2014 7:55	Soil Vapor	VOCs	Yes	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	8.0	5/22/2014 10:05	Soil Vapor	VOCs	Yes	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	9.0	5/23/2014 9:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	9.0	5/23/2014 8:44	Soil Vapor	VOCs	Yes	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	7.0	5/22/2014 10:50	Soil Vapor	VOCs	Yes	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	6.0	5/23/2014 8:23	Soil Vapor	VOCs	Yes	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	11.0	5/23/2014 8:44	Soil Vapor	VOCs	Yes	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	16.5	5/23/2014 9:02	Soil Vapor	VOCs	Yes	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	8.0	5/22/2014 8:49	Soil Vapor	VOCs	Yes	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5.5	5/23/2014 10:36	Soil Vapor	VOCs	Yes	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	11.5	5/23/2014 10:59	Soil Vapor	VOCs	Yes	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6.0	6/2/2014 9:08	Soil Vapor	VOCs	Yes	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	12.0	6/2/2014 9:35	Soil Vapor	VOCs	Yes	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	19.5	6/2/2014 9:58	Soil Vapor	VOCs	Yes	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	5.5	6/18/2014 12:57	Soil Vapor	VOCs	Yes	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	9.5	6/18/2014 13:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	5.5	6/19/2014 9:28	Soil Vapor	VOCs	Yes	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	5.5	6/19/2014 9:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	7.0	6/3/2014 8:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	7.25	6/19/2014 8:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	7.25	6/19/2014 8:34	Soil Vapor	VOCs	Yes	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	7.25	6/19/2014 10:37	Soil Vapor	VOCs	Yes	In Place

	Total Number of Primary Soil Vapor Samples	**Total QC Samples[(1)]**						**Total Validated Samples**	
	177	38						215	

Acronyms:
"--" - not applicable
ft bgs - feet below ground surface
QC - quality control
VOCs - volatile organic compounds by Environmental Protection Agency Method 8260B or TO-15

Notes:
1. QC samples include co-located duplicates and laboratory split samples.

Table 3-1
PHASE 3 SOIL VAPOR
DATA FREQUENCY SUMMARY
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Analyte	CAS Number	Detection Frequency	Minimum Concentration	Maximum Concentration	Range of Method Detection Limit	Range of Practical Quantitation Limit	Result Value Units	Object Name	Depth of Maximum Concentration (ft bgs)
1,1,1-Trichloroethane	71556	16 / 215	0.001	0.11	0.00043 - 0.11	0.0027 - 0.4	µg/L	8SV_DG-503	4.5 - 5.5
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	25 / 215	0.00086	86	0.00054 - 0.24	0.011 - 0.4	µg/L	5DSV_DG-513	10 - 11
1,1,2-Trichloroethane	79005	2 / 215	0.0015	0.0029	0.001 - 0.13	0.0027 - 0.4	µg/L	5CSV_DG-570	40 - 41
1,1-Dichloroethane	75343	8 / 215	0.0011	0.0096	0.00026 - 0.12	0.002 - 0.4	µg/L	8SV_DG-512	8 - 9
1,1-Dichloroethene	75354	6 / 215	0.0014	0.16	0.00079 - 0.14	0.002 - 0.4	µg/L	8SV_DG-503	4.5 - 5.5
1,2-Dichloroethane	107062	5 / 215	0.00084	0.0037	0.00028 - 0.21	0.002 - 0.4	µg/L	5ASV_DG-509	5 - 6
Benzene	71432	52 / 215	0.00066	0.061	0.00027 - 0.081	0.0016 - 0.4	µg/L	8SV_DG-524	4.5 - 5.5
Carbon Tetrachloride	56235	5 / 215	0.0011	0.072	0.00039 - 0.23	0.0031 - 0.4	µg/L	8SV_DG-512	8 - 9
Chloroethane	75003	4 / 215	0.021	0.054	0.00053 - 0.32	0.0013 - 0.4	µg/L	5DSV_DG-502	18 - 19
Chloroform	67663	20 / 215	0.00098	0.28	0.00034 - 0.12	0.0024 - 0.4	µg/L	8SV_DG-512	8 - 9
cis-1,2-Dichloroethene	156592	8 / 215	0.00048	0.026	0.00035 - 0.19	0.002 - 0.4	µg/L	5CSV_DG-530	6.5 - 7.5
Dichlorodifluoromethane	75718	16 / 215	0.0026	0.11	0.00029 - 0.22	0.0025 - 0.4	µg/L	5ASV_DG-509	10 - 11
Ethylbenzene	100414	61 / 215	0.00097	0.1	0.00063 - 0.06	0.0022 - 0.4	µg/L	6SV_DG-509	15 - 16
Methylene chloride	75092	4 / 215	0.00082	0.081	0.00069 - 0.21	0.0035 - 0.4	µg/L	5ASV_DG-622	6 - 7
m-Xylene & p-Xylene	179601231	67 / 215	0.00218	0.29	0.00087 - 0.16	0.0043 - 0.4	µg/L	5CSV_DG-525	10 - 11
o-Xylene	95476	55 / 215	0.0011	0.14	0.00068 - 0.18	0.0022 - 0.4	µg/L	5BSV_DG-526	12.5 - 13.5
Tetrachloroethene	127184	47 / 215	0.00051	0.16	0.00046 - 0.11	0.0034 - 0.4	µg/L	5ASV_DG-565	5 - 6
Toluene	108883	82 / 215	0.00082	0.32	0.00051 - 0.085	0.0019 - 0.4	µg/L	5BSV_DG-526	12.5 - 13.5
trans-1,2-Dichloroethene	156605	2 / 215	0.00075	0.088	0.0005 - 0.078	0.002 - 0.4	µg/L	5ASV_DG-622	6 - 7
Trichloroethene	79016	25 / 215	0.00075	1.6	0.00037 - 0.23	0.0027 - 0.4	µg/L	8SV_DG-512	8 - 9
Trichlorofluoromethane	75694	26 / 215	0.0016	10	0.00096 - 0.22	0.0056 - 4.5	µg/L	5BSV_DG-531	16.75 - 17.75
Vinyl chloride	75014	2 / 215	0.00074	0.0009	0.00051 - 0.2	0.0013 - 0.4	µg/L	5CSV_DG-570	40 - 41

Acronyms:
CAS - chemical abstract service
µg/L - micrograms per litter
ft bgs - feet below ground surface

Notes:
Samples were analyized for volatile organic compounds (VOCs) by Environmental Protection Agency Method 8260B or TO-15
Soil samples collected for VOCs are not summarized in this report.

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
(Page 1 of 10)

Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.013	UJ	Non-Detect Estimated Value	Lancaster	V	C	1481734
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0099	U	Non-Detect	Lancaster	V	F, result changed from 0.0072	1481734
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0087	U	Non-Detect	Lancaster	V	F, result changed from 0.0062	1481734
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.019	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.011	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	--	7498162	6/10/2014 8:51	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0075	U	Non-Detect	Lancaster	V	F, result changed from 0.0073	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.013	UJ	Non-Detect Estimated Value	Lancaster	V	C	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0099	U	Non-Detect	Lancaster	V	F, result changed from 0.0077	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0087	U	Non-Detect	Lancaster	V	F, result changed from 0.0069	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.023	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.011	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	--	7498163	6/10/2014 9:12	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.011	U	Non-Detect	Lancaster	V	F, result changed from 0.0025	1481734
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	--	7498164	6/10/2014 9:54	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.013	UJ	Non-Detect Estimated Value	Lancaster	V	C	1481734
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	--	7498164	6/10/2014 9:54	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0087	U	Non-Detect	Lancaster	V	F, result changed from 0.0056	1481734
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	--	7498164	6/10/2014 9:54	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.015	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	--	7498164	6/10/2014 9:54	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0087	U	Non-Detect	Lancaster	V	F, result changed from 0.0082	1481734
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	--	7498165	6/10/2014 10:56	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1481734
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	--	7498165	6/10/2014 10:56	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.043	U	Non-Detect	Lancaster	V	F, result changed from 0.018	1481734
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	--	7498166	6/10/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.013	UJ	Non-Detect Estimated Value	Lancaster	V	C	1481734
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	--	7498166	6/10/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0099	U	Non-Detect	Lancaster	V	F, result changed from 0.0077	1481734
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	--	7498166	6/10/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.011	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	--	7498166	6/10/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.016	U	Non-Detect	Lancaster	V	F, RL changed from 0.0087	1481734
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	--	7498166	6/10/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.011	U	Non-Detect	Lancaster	V	F, result changed from 0.0054	1481734
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	--	7498168	6/10/2014 12:39	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.00088	1481734
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	--	7498168	6/10/2014 12:39	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0055	1481734
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	--	7498169	6/10/2014 13:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.002	1481734
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	--	7498170	6/10/2014 14:19	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0044	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1481734
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	--	7498170	6/10/2014 14:19	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.012	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1481734
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	--	7498170	6/10/2014 14:19	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0073	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1481734
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	--	7498170	6/10/2014 14:19	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1481734
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	--	7498170	6/10/2014 14:19	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1481734
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	--	7498171	6/10/2014 11:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0085	U	Non-Detect	Lancaster	V	F, RL changed from 0.0049	1481734
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	--	7498171	6/10/2014 11:30	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0011	1481734
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	--	7498171	6/10/2014 11:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0055	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1481734
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	--	7498171	6/10/2014 11:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0035	1481734
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	SVL-509-SA5A-SV-25.0-26.0	280-56665-2	6/10/2014 14:19	Soil Vapor	Split Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56665-1
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	--	7498173	6/11/2014 7:54	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0019	1481735
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	--	7498174	6/11/2014 8:50	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0017	1481735
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	--	7498174	6/11/2014 8:50	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0033	1481735
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	--	7498174	6/11/2014 8:50	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0016	1481735
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	--	7498175	6/11/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0032	1481735
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	--	7498175	6/11/2014 8:24	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0017	1481735
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	--	7498176	6/11/2014 10:50	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0018	1481735
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	--	7498178	6/11/2014 10:02	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0011	1481735
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	--	7498178	6/11/2014 10:02	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1481735
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	--	3F41001-06	6/10/2014 10:23	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	--	3F41001-06	6/10/2014 10:23	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	--	3F41001-07	6/10/2014 10:57	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	--	3F41001-07	6/10/2014 10:57	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	--	3F41001-08	6/10/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	--	3F41001-08	6/10/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0058	J	Estimated Value	EST	V	C	3F41001
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	--	3F41001-09	6/10/2014 12:26	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	--	3F41001-09	6/10/2014 12:26	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0062	J	Estimated Value	EST	V	C	3F41001
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	--	3F41001-10	6/10/2014 12:57	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	--	3F41001-10	6/10/2014 12:57	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	--	3F41001-11	6/10/2014 13:42	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	--	3F41001-11	6/10/2014 13:42	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	--	7498179	6/11/2014 11:54	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1481735
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	--	7498179	6/11/2014 11:54	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0014	1481735
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	--	7498180	6/11/2014 11:26	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0025	1481735
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	--	7498180	6/11/2014 11:26	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0044	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1481735
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	--	7498180	6/11/2014 11:26	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1481735
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	--	7498181	6/11/2014 14:10	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.003	1481735
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	--	7498181	6/11/2014 14:10	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0035	1481735
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	--	7498181	6/11/2014 14:10	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.011	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.041	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.11	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	Tetrachloroethene	127184	0.16	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0052	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichloroethene	79016	0.018	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	--	7498182	6/11/2014 13:35	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0016	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	1,1-Dichloroethene	75354	0.004	UJ	Non-Detect Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Ethylbenzene	100414	0.0015	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	o-Xylene	95476	0.0033	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Tetrachloroethene	127184	0.0068	UJ	Non-Detect Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Toluene	108883	0.0017	J	Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Trichloroethene	79016	0.0054	UJ	Non-Detect Estimated Value	Lancaster	V	*III	1481735
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	SVL-565-SA5A-SV-5.0-6.0	7498183	6/11/2014 13:43	Soil Vapor	Field Duplicate	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1481735
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	--	3F41101-08	6/11/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	--	3F41101-08	6/11/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	--	3F41101-08	6/11/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	--	3F41101-09	6/11/2014 12:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	--	3F41101-09	6/11/2014 12:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	--	3F41101-09	6/11/2014 12:34	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	--	3F41101-10	6/11/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	--	3F41101-10	6/11/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	--	3F41101-10	6/11/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	--	3F41101-11	6/11/2014 13:43	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	--	3F41101-11	6/11/2014 13:43	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	--	3F41101-11	6/11/2014 13:43	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.0063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0025	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0049	U	Non-Detect	Lancaster	V	F, RL changed from 0.0035	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0035	1482106
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	--	7500235	6/12/2014 9:16	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1482106
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	SVL-609-SA5A-SV-7.0-8.0	280-56665-1	6/12/2014 13:20	Soil Vapor	Split Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56665-1
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.0063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0008	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0032	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0016	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.001	1482106
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	--	7500236	6/12/2014 13:20	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.0063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0023	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0016	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.004	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0023	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1482106
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	--	7500237	6/12/2014 10:03	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0011	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.0063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.00097	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.00074	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1482106
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	--	7500238	6/12/2014 11:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0014	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	Carbon Tetrachloride	56235	0.0063	UJ	Non-Detect Estimated Value	Lancaster	V	C	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.002	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0047	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0028	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1482106
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	--	7500239	6/12/2014 10:33	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1482106
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	--	7500240	6/12/2014 11:25	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1482106
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	--	7500240	6/12/2014 11:25	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0017	1482106
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	--	3F41201-02	6/12/2014 7:48	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	--	3F41201-02	6/12/2014 7:48	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	--	3F41201-02	6/12/2014 7:48	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	SVL-626-SA5A-SV-5.5-6.5	3F41201-03	6/12/2014 7:48	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	SVL-626-SA5A-SV-5.5-6.5	3F41201-03	6/12/2014 7:48	Soil Vapor	Field Duplicate	Primary Result	8260B	Dichlorodifluoromethane	75718	0.011	J	Estimated Value	EST	V	C	3F41201
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	SVL-626-SA5A-SV-5.5-6.5	3F41201-03	6/12/2014 7:48	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.00076	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0059	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0034	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0038	U	Non-Detect	Lancaster	V	F, result changed from 0.0029	1482106
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	--	7500241	6/12/2014 12:01	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1482106
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	--	7476664	5/21/2014 15:50	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.28	J	Estimated Value	Lancaster	V	*III	1476964
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	--	7476665	5/21/2014 11:11	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.0041	1476964
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	--	7476665	5/21/2014 11:11	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.012	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476964
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	--	7476665	5/21/2014 11:11	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.008	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476964
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	--	7476666	5/21/2014 12:47	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1476964
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	--	7476667	5/21/2014 12:23	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0019	1476964
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	--	7476667	5/21/2014 12:23	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.00089	1476964
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	--	7476667	5/21/2014 12:23	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0067	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476964
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	--	7476667	5/21/2014 12:23	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.004	1476964
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	SVL-516-SA5B-SV-12.5-13.5	14051846-1	5/21/2014 12:55	Soil Vapor	Split Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0038	U	Non-Detect	Calscience	V	F, RL changed from 0.0024	14-05-1846
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	SVL-516-SA5B-SV-12.5-13.5	14051846-1	5/21/2014 12:55	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.019	U	Non-Detect	Calscience	V	B, result changed from 0.002	14-05-1846
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	SVL-516-SA5B-SV-12.5-13.5	14051846-1	5/21/2014 12:55	Soil Vapor	Split Sample	Primary Result	TO-15	o-Xylene	95476	0.0076	U	Non-Detect	Calscience	V	F, RL changed from 0.0024	14-05-1846
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	--	3F41301-04	6/13/2014 8:59	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	--	3F41301-04	6/13/2014 8:59	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	--	3F41301-04	6/13/2014 8:59	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	--	3F41301-02	6/13/2014 8:35	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	--	3F41301-02	6/13/2014 8:35	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.014	J	Estimated Value	EST	V	C, *III	3F41301
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	--	3F41301-02	6/13/2014 8:35	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	SVL-525-SA5B-SV-8.0-9.0	3F41301-03	6/13/2014 8:35	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	SVL-525-SA5B-SV-8.0-9.0	3F41301-03	6/13/2014 8:35	Soil Vapor	Field Duplicate	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	SVL-525-SA5B-SV-8.0-9.0	3F41301-03	6/13/2014 8:35	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	SVL-525-SA5B-SV-13.0-14.0	14061132-2	6/13/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0074	U	Non-Detect	Calscience	V	F, RL changed from 0.0027	14-06-1132
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	SVL-525-SA5B-SV-13.0-14.0	14061132-2	6/13/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.019	U	Non-Detect	Calscience	V	B, result changed from 0.0022	14-06-1132
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	SVL-525-SA5B-SV-13.0-14.0	14061132-2	6/13/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0094	U	Non-Detect	Calscience	V	F, result changed from 0.0032	14-06-1132
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	SVL-525-SA5B-SV-13.0-14.0	14061132-2	6/13/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	Toluene	108883	0.002	U	Non-Detect	Calscience	V	F, result changed from 0.0018	14-06-1132
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	--	7476668	5/21/2014 9:57	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.012	U	Non-Detect	Lancaster	V	F, RL changed from 0.0049	1476964
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	--	7476669	5/21/2014 9:15	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0035	1476964
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	--	7476670	5/21/2014 14:31	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0025	1476964
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	--	3F40401-11	6/4/2014 12:53	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	--	3F40401-11	6/4/2014 12:53	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	--	3F40401-11	6/4/2014 12:53	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	--	3F40401-12	6/4/2014 13:20	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.2	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	--	3F40401-12	6/4/2014 13:20	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.2	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	--	3F40401-12	6/4/2014 13:20	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.2	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	--	3F40401-10	6/4/2014 11:40	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	--	3F40401-10	6/4/2014 11:40	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	--	3F40401-10	6/4/2014 11:40	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40401
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	--	3F40501-10	6/5/2014 11:53	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	--	3F40501-10	6/5/2014 11:53	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	SVL-552-SA5B-SV-5.3-6.3	14060556-4	6/5/2014 12:00	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.017	U	Non-Detect	Calscience	V	B, result changed from 0.0017	14-06-0556
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	--	3F40501-11	6/5/2014 13:02	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	--	3F40501-11	6/5/2014 13:02	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	--	3F41101-02	6/11/2014 8:08	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	--	3F41101-02	6/11/2014 8:08	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroethane	75003	0.048	J	Estimated Value	EST	V	*III	3F41101
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	--	3F41101-02	6/11/2014 8:08	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	--	3F41101-02	6/11/2014 8:08	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	SVL-557-SA5B-SV-4.5-5.5	3F41101-03	6/11/2014 8:08	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	SVL-557-SA5B-SV-4.5-5.5	3F41101-03	6/11/2014 8:08	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	SVL-557-SA5B-SV-4.5-5.5	3F41101-03	6/11/2014 8:08	Soil Vapor	Field Duplicate	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	--	7476675	5/22/2014 14:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.002	1476965
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	--	7476675	5/22/2014 14:30	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.019	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476965
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	--	7476675	5/22/2014 14:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0047	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476965
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	--	7476675	5/22/2014 14:30	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0023	1476965
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.004	U	Non-Detect	Calscience	V	F, RL changed from 0.0025	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0059	U	Non-Detect	Calscience	V	F, RL changed from 0.0022	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.018	U	Non-Detect	Calscience	V	B, result changed from 0.0024	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.02	U	Non-Detect	Calscience	V	F, RL changed from 0.0088	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	o-Xylene	95476	0.011	U	Non-Detect	Calscience	V	F, RL changed from 0.0022	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	Toluene	108883	0.006	U	Non-Detect	Calscience	V	F, RL changed from 0.0019	14-05-1846
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	SVL-560-SA5B-SV-7.0-8.0	14051846-2	5/22/2014 14:38	Soil Vapor	Split Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0057	U	Non-Detect	Calscience	V	F, result changed from 0.0046	14-05-1846
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	--	3F41301-05	6/13/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	--	3F41301-05	6/13/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	--	3F41301-05	6/13/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	--	7476676	5/22/2014 12:09	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1476965
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	--	7476676	5/22/2014 12:09	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.022	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476965
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	--	7476676	5/22/2014 12:09	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1476965
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	--	3F41301-06	6/13/2014 10:05	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	--	3F41301-06	6/13/2014 10:05	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	--	3F41301-06	6/13/2014 10:05	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0064	J	Estimated Value	EST	V	C	3F41301
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	--	3F41101-04	6/11/2014 8:56	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	--	3F41101-04	6/11/2014 8:56	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	--	3F41101-04	6/11/2014 8:56	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	SVL-567-SA5B-SV-4.5-5.5	280-56666-2	6/11/2014 9:01	Soil Vapor	Split Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56666-1
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	--	3F41101-07	6/11/2014 10:56	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	--	3F41101-07	6/11/2014 10:56	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	--	3F41101-07	6/11/2014 10:56	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	--	3F40601-11	6/6/2014 12:30	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	--	3F40601-11	6/6/2014 12:30	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	--	3F40601-11	6/6/2014 12:30	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C, F, result changed from 0.016	3F40601
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	--	3F41101-05	6/11/2014 9:36	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	--	3F41101-05	6/11/2014 9:36	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	--	3F41101-05	6/11/2014 9:36	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	--	3F41801-02	6/18/2014 8:09	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	--	3F41801-02	6/18/2014 8:09	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	SVL-580-SA5B-SV-7.0-8.0	3F41801-03	6/18/2014 8:09	Soil Vapor	Field Duplicate	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	SVL-580-SA5B-SV-7.0-8.0	3F41801-03	6/18/2014 8:09	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	--	3F40901-08	6/9/2014 11:31	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	--	3F40901-08	6/9/2014 11:31	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	--	3F40901-08	6/9/2014 11:31	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	--	3F40901-09	6/9/2014 12:25	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	--	3F40901-09	6/9/2014 12:25	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	--	3F40901-09	6/9/2014 12:25	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	--	3F40901-10	6/9/2014 12:49	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	--	3F40901-10	6/9/2014 12:49	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	--	3F40901-10	6/9/2014 12:49	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	--	3F40901-07	6/9/2014 11:03	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	--	3F40901-07	6/9/2014 11:03	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	--	3F40901-07	6/9/2014 11:03	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	--	3F40601-06	6/6/2014 9:27	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	--	3F40601-06	6/6/2014 9:27	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	--	3F40601-06	6/6/2014 9:27	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40601
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	--	3F41101-06	6/11/2014 10:21	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	--	3F41101-06	6/11/2014 10:21	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41101
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	--	3F41101-06	6/11/2014 10:21	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41101
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	--	3F40601-07	6/6/2014 10:18	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	--	3F40601-07	6/6/2014 10:18	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	--	3F40601-07	6/6/2014 10:18	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40601
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	--	3F41801-04	6/18/2014 9:10	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	--	3F41801-04	6/18/2014 9:10	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	SVL-599-SA5B-SV-8.0-9.0	280-56908-2	6/18/2014 9:18	Soil Vapor	Split Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56908-1
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	--	3F40601-08	6/6/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	--	3F40601-08	6/6/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	--	3F40601-08	6/6/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C, F, result changed from 0.005	3F40601
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	--	3F40601-09	6/6/2014 11:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	--	3F40601-09	6/6/2014 11:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	--	3F40601-09	6/6/2014 11:19	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40601
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	--	3F40201-06	6/2/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	--	3F40201-06	6/2/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	--	3F40201-06	6/2/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	--	3F40201-06	6/2/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.017	J	Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	--	3F40201-06	6/2/2014 11:24	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	--	3F40201-08	6/2/2014 11:59	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	--	3F40201-08	6/2/2014 11:59	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	--	3F40201-08	6/2/2014 11:59	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	--	3F40201-08	6/2/2014 11:59	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0054	J	Estimated Value	Lancaster	V	C, L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	--	3F40201-05	6/2/2014 10:52	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	--	3F40201-05	6/2/2014 10:52	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	--	3F40201-05	6/2/2014 10:52	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	--	3F40201-05	6/2/2014 10:52	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.009	J	Estimated Value	Lancaster	V	C, L	3F40201
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	SVL-505-SA5C-SV-10.0-11.0	3F40201-07	6/2/2014 11:24	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	SVL-505-SA5C-SV-10.0-11.0	3F40201-07	6/2/2014 11:24	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	SVL-505-SA5C-SV-10.0-11.0	3F40201-07	6/2/2014 11:24	Soil Vapor	Field Duplicate	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	SVL-505-SA5C-SV-10.0-11.0	3F40201-07	6/2/2014 11:24	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.0076	J	Estimated Value	Lancaster	V	C, L	3F40201
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	SVL-505-SA5C-SV-15.0-16.0	14060556-1	6/2/2014 12:08	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.019	U	Non-Detect	Calscience	V	B, result changed from 0.002	14-06-0556
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	--	3F40301-06	6/3/2014 9:41	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0052	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	--	3F40301-05	6/3/2014 9:15	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	SVL-507-SA5C-SV-5.0-6.0	3F40301-04	6/3/2014 9:15	Soil Vapor	Field Duplicate	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.011	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	--	3F40301-07	6/3/2014 10:14	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	--	3F41801-07	6/18/2014 11:53	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	--	3F41801-07	6/18/2014 11:53	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	--	3F41801-06	6/18/2014 11:08	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	--	3F41801-06	6/18/2014 11:08	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	--	3F41801-05	6/18/2014 10:20	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	--	3F41801-05	6/18/2014 10:20	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	--	3F41001-04	6/10/2014 9:10	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	--	3F41001-04	6/10/2014 9:10	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	--	3F41001-02	6/10/2014 8:28	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	--	3F41001-02	6/10/2014 8:28	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	SVL-515-SA5C-SV-5.0-6.0	3F41001-03	6/10/2014 8:28	Soil Vapor	Field Duplicate	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	SVL-515-SA5C-SV-5.0-6.0	3F41001-03	6/10/2014 8:28	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	SVL-515-SA5C-SV-12.5-13.5	14061132-1	6/10/2014 9:16	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.018	U	Non-Detect	Calscience	V	B, result changed from 0.0016	14-06-1132
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	SVL-515-SA5C-SV-12.5-13.5	14061132-1	6/10/2014 9:16	Soil Vapor	Split Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0091	U	Non-Detect	Calscience	V	F, result changed from 0.0022	14-06-1132

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	SVL-515-SA5C-SV-12.5-13.5	14061132-1	6/10/2014 9:16	Soil Vapor	Split Sample	Primary Result	TO-15	o-Xylene	95476	0.0023	U	Non-Detect	Calscience	V	F, result changed from 0.0012	14-06-1132
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	SVL-515-SA5C-SV-12.5-13.5	14061132-1	6/10/2014 9:16	Soil Vapor	Split Sample	Primary Result	TO-15	Toluene	108883	0.002	U	Non-Detect	Calscience	V	F, result changed from 0.0015	14-06-1132
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	SVL-515-SA5C-SV-12.5-13.5	14061132-1	6/10/2014 9:16	Soil Vapor	Split Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0059	U	Non-Detect	Calscience	V	F, result changed from 0.0019	14-06-1132
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	--	3F40501-09	6/5/2014 11:08	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	--	3F40501-09	6/5/2014 11:08	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	--	3F40601-10	6/6/2014 12:02	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	--	3F40601-10	6/6/2014 12:02	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	--	3F40601-10	6/6/2014 12:02	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C, F, result changed from 0.0046	3F40601
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	--	3F40501-08	6/5/2014 10:43	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	--	3F40501-08	6/5/2014 10:43	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	--	3F40501-05	6/5/2014 9:06	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	--	3F40501-05	6/5/2014 9:06	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.008	J	Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	--	3F40501-04	6/5/2014 8:41	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	--	3F40501-04	6/5/2014 8:41	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.012	J	Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	--	3F40601-02	6/6/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	--	3F40601-02	6/6/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	--	3F40601-02	6/6/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.099	J	Estimated Value	EST	V	C	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	--	3F40601-03	6/6/2014 8:22	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	--	3F40601-03	6/6/2014 8:22	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	--	3F40601-03	6/6/2014 8:22	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.026	UJ	Non-Detect Estimated Value	EST	V	C, F, RL changed from 0.02	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	--	3F40601-04	6/6/2014 8:49	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	--	3F40601-04	6/6/2014 8:49	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	--	3F40601-04	6/6/2014 8:49	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40601
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	--	3F40501-12	6/5/2014 13:41	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	--	3F40501-12	6/5/2014 13:41	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.04	J	Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	SVL-525-SA5C-SV-20.0-21.0	3F40601-05	6/6/2014 8:49	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	SVL-525-SA5C-SV-20.0-21.0	3F40601-05	6/6/2014 8:49	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2-Trichloroethane	79005	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40601
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	SVL-525-SA5C-SV-20.0-21.0	3F40601-05	6/6/2014 8:49	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40601
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	--	3F40501-06	6/5/2014 10:02	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	--	3F40501-06	6/5/2014 10:02	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.005	J	Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	SVL-528-SA5C-SV-5.5-6.5	3F40501-07	6/5/2014 10:02	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	SVL-528-SA5C-SV-5.5-6.5	3F40501-07	6/5/2014 10:02	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.005	J	Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	--	3E42901-04	5/29/2014 8:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	--	3E42901-04	5/29/2014 8:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	--	3E42901-04	5/29/2014 8:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	--	3E42901-04	5/29/2014 8:42	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42901
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	SVL-530-SA5C-SV-6.5-7.5	14060002-2	5/29/2014 8:49	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.022	U	Non-Detect	Calscience	V	B, result changed from 0.0027	14-06-0002
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0056	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	--	3F40301-09	6/3/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.007	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	--	3F40301-10	6/3/2014 11:50	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.011	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	--	3F40301-08	6/3/2014 10:59	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	SVL-535-SA5C-SV-15.0-16.0	14060556-3	6/3/2014 11:56	Soil Vapor	Split Sample	Primary Result	TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.015	U	Non-Detect	Calscience	V	F, RL changed from 0.015	14-06-0556
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	SVL-535-SA5C-SV-15.0-16.0	14060556-3	6/3/2014 11:56	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.022	U	Non-Detect	Calscience	V	B, result changed from 0.0035	14-06-0556
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.01	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	--	3F40301-12	6/3/2014 13:15	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	--	3F40401-02	6/4/2014 7:28	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	--	3F40401-02	6/4/2014 7:28	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	--	3F40401-02	6/4/2014 7:28	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.016	3F40401
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0096	J	Estimated Value	EST	V	C	3F40301
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	--	3F40301-11	6/3/2014 12:56	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	--	3F41301-07	6/13/2014 10:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41301
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	--	3F41301-07	6/13/2014 10:34	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41301
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	--	3F41301-07	6/13/2014 10:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.014	J	Estimated Value	EST	V	C	3F41301
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	--	3F40501-03	6/5/2014 7:58	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	--	3F40501-03	6/5/2014 7:58	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	--	3F40501-02	6/5/2014 7:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40501
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	--	3F40501-02	6/5/2014 7:39	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40501
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	--	3F41001-05	6/10/2014 9:44	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41001
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	--	3F41001-05	6/10/2014 9:44	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41001
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	--	3F40401-05	6/4/2014 8:51	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	--	3F40401-05	6/4/2014 8:51	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	--	3F40401-05	6/4/2014 8:51	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.0054	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	--	3F40401-06	6/4/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	--	3F40401-06	6/4/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	--	3F40401-06	6/4/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.0052	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	--	3F40401-07	6/4/2014 9:29	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	--	3F40401-07	6/4/2014 9:29	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	--	3F40401-07	6/4/2014 9:29	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.0066	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	--	3F40401-08	6/4/2014 9:49	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	--	3F40401-08	6/4/2014 9:49	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	--	3F40401-08	6/4/2014 9:49	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.0084	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	--	3F40401-09	6/4/2014 10:10	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	--	3F40401-09	6/4/2014 10:10	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	--	3F40401-09	6/4/2014 10:10	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C, F, result changed from 0.0078	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	--	3F40401-03	6/4/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	--	3F40401-03	6/4/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	--	3F40401-03	6/4/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40401
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	SVL-570-SA5C-SV-5.0-6.0	3F40401-04	6/4/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	SVL-570-SA5C-SV-5.0-6.0	3F40401-04	6/4/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3F40401
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	SVL-570-SA5C-SV-5.0-6.0	3F40401-04	6/4/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40401
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	SVL-570-SA5C-SV-40.0-41.0	14060556-5	6/4/2014 10:16	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.021	U	Non-Detect	Calscience	V	B, result changed from 0.0032	14-06-0556
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	SVL-570-SA5C-SV-40.0-41.0	14060556-5	6/4/2014 10:16	Soil Vapor	Split Sample	Primary Result	TO-15	Toluene	108883	0.011	U	Non-Detect	Calscience	V	F, RL changed from 0.0023	14-06-0556
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	--	3E42901-11	5/29/2014 13:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	--	3E42901-11	5/29/2014 13:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	--	3E42901-11	5/29/2014 13:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	--	3E42901-11	5/29/2014 13:39	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.011	3E42901
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	--	3E42701-04	5/27/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	--	3E42701-04	5/27/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	--	3E42701-04	5/27/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	U	Non-Detect	Lancaster	V	B, result changed from 0.011	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	--	3E42701-04	5/27/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	--	3E42701-04	5/27/2014 9:09	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.011	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	--	3E42701-05	5/27/2014 9:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	--	3E42701-05	5/27/2014 9:42	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	--	3E42701-05	5/27/2014 9:42	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	U	Non-Detect	Lancaster	V	B, result changed from 0.012	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	--	3E42701-05	5/27/2014 9:42	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	--	3E42701-05	5/27/2014 9:42	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.007	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	--	3E42701-02	5/27/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	--	3E42701-02	5/27/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	--	3E42701-02	5/27/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	--	3E42701-02	5/27/2014 8:32	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.12	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	SVL-502-SA5D-SV-5.0-6.0	3E42701-03	5/27/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	SVL-502-SA5D-SV-5.0-6.0	3E42701-03	5/27/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	SVL-502-SA5D-SV-5.0-6.0	3E42701-03	5/27/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	SVL-502-SA5D-SV-5.0-6.0	3E42701-03	5/27/2014 8:32	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.1	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	SVL-546-SA5D-SV-10.0-11.0	14060002-3	5/30/2014 8:25	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.017	U	Non-Detect	Calscience	V	B, result changed from 0.0048	14-06-0002
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	--	3E42801-09	5/28/2014 12:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	--	3E42801-09	5/28/2014 12:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.024	U	Non-Detect	Lancaster	V	F, RL changed from 0.02	3E42801
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	--	3E42801-09	5/28/2014 12:50	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0088	3E42801
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	--	3E42801-05	5/28/2014 9:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	--	3E42801-05	5/28/2014 9:46	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42801
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	--	3E42801-06	5/28/2014 10:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	--	3E42801-06	5/28/2014 10:19	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42801
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	--	3E42701-10	5/27/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	--	3E42701-10	5/27/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	--	3E42701-10	5/27/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	--	3E42701-10	5/27/2014 13:03	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.16	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	--	3E42701-11	5/27/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	--	3E42701-11	5/27/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	--	3E42701-11	5/27/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	--	3E42701-11	5/27/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.015	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	--	3E42701-09	5/27/2014 12:32	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	--	3E42701-09	5/27/2014 12:32	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	--	3E42701-09	5/27/2014 12:32	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	--	3E42701-09	5/27/2014 12:32	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.035	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	--	3E42701-07	5/27/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.4	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	--	3E42701-07	5/27/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.4	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	--	3E42701-07	5/27/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.12	J	Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	--	3E42701-07	5/27/2014 10:45	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.088	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	--	3E42701-08	5/27/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	--	3E42701-08	5/27/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	--	3E42701-08	5/27/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	U	Non-Detect	Lancaster	V	B, RL=result	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	--	3E42701-08	5/27/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	--	3E42701-08	5/27/2014 11:22	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.024	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	--	3E42701-06	5/27/2014 10:15	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	--	3E42701-06	5/27/2014 10:15	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	--	3E42701-06	5/27/2014 10:15	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.023	U	Non-Detect	Lancaster	V	B, RL changed from 0.02	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	--	3E42701-06	5/27/2014 10:15	Soil Vapor	Primary Sample	Primary Result	8260B	Tetrachloroethene	127184	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42701
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	--	3E42701-06	5/27/2014 10:15	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.016	J	Estimated Value	Lancaster	V	C	3E42701
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	--	3E42801-04	5/28/2014 8:57	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	--	3E42801-04	5/28/2014 8:57	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.055	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, RL changed from 0.02	3E42801
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	--	3E42801-02	5/28/2014 8:16	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	--	3E42801-02	5/28/2014 8:16	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0052	3E42801
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	SVL-515-SA5D-SV-5.0-6.0	3E42801-03	5/28/2014 8:16	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	SVL-515-SA5D-SV-5.0-6.0	3E42801-03	5/28/2014 8:16	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0074	3E42801
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	SVL-515-SA5D-SV-12.5-13.8	14060002-1	5/28/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.011	U	Non-Detect	Calscience	V	F, result changed from 0.0044	14-06-0002
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	SVL-515-SA5D-SV-12.5-13.8	14060002-1	5/28/2014 9:05	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.017	U	Non-Detect	Calscience	V	B, result changed from 0.0013	14-06-0002
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	--	3E42801-08	5/28/2014 11:26	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	--	3E42801-08	5/28/2014 11:26	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.024	U	Non-Detect	Lancaster	V	F, RL changed from 0.02	3E42801
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	--	3E42801-08	5/28/2014 11:26	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0046	3E42801
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	--	3E42801-07	5/28/2014 10:55	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	--	3E42801-07	5/28/2014 10:55	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42801
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	--	3E42901-05	5/29/2014 9:30	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	--	3E42901-05	5/29/2014 9:30	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	--	3E42901-05	5/29/2014 9:30	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	--	3E42901-05	5/29/2014 9:30	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.03	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, RL changed from 0.02	3E42901
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	--	3E42901-06	5/29/2014 10:12	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	--	3E42901-06	5/29/2014 10:12	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	--	3E42901-06	5/29/2014 10:12	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	--	3E42901-06	5/29/2014 10:12	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.044	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, RL changed from 0.02	3E42901
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	--	3E42901-07	5/29/2014 10:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	--	3E42901-07	5/29/2014 10:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	--	3E42901-07	5/29/2014 10:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	--	3E42901-07	5/29/2014 10:46	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42901
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	--	3E42901-08	5/29/2014 11:20	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	--	3E42901-08	5/29/2014 11:20	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	--	3E42901-08	5/29/2014 11:20	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	--	3E42901-08	5/29/2014 11:20	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	--	3E42901-09	5/29/2014 12:29	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	--	3E42901-09	5/29/2014 12:29	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	--	3E42901-09	5/29/2014 12:29	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	--	3E42901-09	5/29/2014 12:29	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0048	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	--	3E42901-10	5/29/2014 13:00	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	--	3E42901-10	5/29/2014 13:00	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	--	3E42901-10	5/29/2014 13:00	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	--	3E42901-10	5/29/2014 13:00	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0072	3E42901
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	--	3E42901-02	5/29/2014 7:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	--	3E42901-02	5/29/2014 7:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	--	3E42901-02	5/29/2014 7:50	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	--	3E42901-02	5/29/2014 7:50	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.039	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, RL changed from 0.02	3E42901
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	--	3E42801-10	5/28/2014 13:25	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42801
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	--	3E42801-10	5/28/2014 13:25	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.07	J	Estimated Value	Lancaster	V	C	3E42801
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	SVL-544-SA5D-SV-10.0-11.0	3E42901-03	5/29/2014 7:50	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	SVL-544-SA5D-SV-10.0-11.0	3E42901-03	5/29/2014 7:50	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	SVL-544-SA5D-SV-10.0-11.0	3E42901-03	5/29/2014 7:50	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1-Dichloroethene	75354	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E42901
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	SVL-544-SA5D-SV-10.0-11.0	3E42901-03	5/29/2014 7:50	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.034	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, RL changed from 0.02	3E42901
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	--	3E43001-04	5/30/2014 8:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	--	3E43001-02	5/30/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	--	3E43001-02	5/30/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001

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PHASE 3 SOIL VAPOR
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Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	--	3E43001-02	5/30/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	--	3E43001-02	5/30/2014 7:46	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.013	3E43001
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	SVL-546-SA5D-SV-5.0-6.0	3E43001-03	5/30/2014 7:46	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	SVL-546-SA5D-SV-5.0-6.0	3E43001-03	5/30/2014 7:46	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	SVL-546-SA5D-SV-5.0-6.0	3E43001-03	5/30/2014 7:46	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	SVL-546-SA5D-SV-5.0-6.0	3E43001-03	5/30/2014 7:46	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.013	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	--	3E43001-04	5/30/2014 8:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	--	3E43001-04	5/30/2014 8:19	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	--	3E43001-04	5/30/2014 8:19	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.01	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	--	3E43001-05	5/30/2014 11:21	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	--	3E43001-05	5/30/2014 11:21	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	--	3E43001-05	5/30/2014 11:21	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	--	3E43001-05	5/30/2014 11:21	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.0044	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	--	3E43001-07	5/30/2014 10:07	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	--	3E43001-07	5/30/2014 10:07	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	--	3E43001-07	5/30/2014 10:07	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	--	3E43001-07	5/30/2014 10:07	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.028	J	Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	--	3E43001-08	5/30/2014 10:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	--	3E43001-08	5/30/2014 10:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	--	3E43001-08	5/30/2014 10:42	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	--	3E43001-08	5/30/2014 10:42	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	B, C, result changed from 0.011	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	--	3E43001-06	5/30/2014 9:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	--	3E43001-06	5/30/2014 9:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	*III	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	--	3E43001-06	5/30/2014 9:39	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	--	3E43001-06	5/30/2014 9:39	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3E43001
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	--	3F40901-02	6/9/2014 8:28	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	--	3F40901-02	6/9/2014 8:28	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	--	3F40901-02	6/9/2014 8:28	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	SVL-553-SA5D-SV-4.5-5.5	3F40901-03	6/9/2014 8:28	Soil Vapor	Field Duplicate	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	SVL-553-SA5D-SV-4.5-5.5	3F40901-03	6/9/2014 8:28	Soil Vapor	Field Duplicate	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	SVL-553-SA5D-SV-4.5-5.5	3F40901-03	6/9/2014 8:28	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	--	3F40901-04	6/9/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	--	3F40901-04	6/9/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	--	3F40901-04	6/9/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.011	J	Estimated Value	EST	V	C	3F40901
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	SVL-553-SA5D-SV-9.0-10.0	14061132-3	6/9/2014 9:14	Soil Vapor	Split Sample	Primary Result	TO-15	Methylene chloride	75092	0.018	U	Non-Detect	Calscience	V	B, result changed from 0.0022	14-06-1132
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	--	3F40901-05	6/9/2014 9:50	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	--	3F40901-05	6/9/2014 9:50	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	--	3F40901-05	6/9/2014 9:50	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	--	3F40901-06	6/9/2014 10:27	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	--	3F40901-06	6/9/2014 10:27	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	--	3F40901-06	6/9/2014 10:27	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40901
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	--	3F40901-11	6/9/2014 13:40	Soil Vapor	Primary Sample	Primary Result	8260B	Chloroform	67663	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	--	3F40901-11	6/9/2014 13:40	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40901
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	--	3F40901-11	6/9/2014 13:40	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0076	J	Estimated Value	EST	V	C	3F40901
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	--	3F41201-06	6/12/2014 10:04	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	--	3F41201-06	6/12/2014 10:04	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	--	3F41201-06	6/12/2014 10:04	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	--	3F41201-06	6/12/2014 10:04	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	1.1	UJ	Non-Detect Estimated Value	EST	V	C, RL changed from 0.02	3F41201
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	--	3F41201-07	6/12/2014 10:36	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	--	3F41201-07	6/12/2014 10:36	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	--	3F41201-07	6/12/2014 10:36	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.0066	J	Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	--	3F41201-07	6/12/2014 10:36	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	2.9	UJ	Non-Detect Estimated Value	EST	V	C, RL changed from 0.02	3F41201
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	--	3F41201-08	6/12/2014 11:07	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.1	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	--	3F41201-08	6/12/2014 11:07	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.1	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	--	3F41201-08	6/12/2014 11:07	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.1	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	--	3F41201-08	6/12/2014 11:07	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	4.5	UJ	Non-Detect Estimated Value	EST	V	C, RL changed from 0.1	3F41201
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	--	3F41201-05	6/12/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	--	3F41201-05	6/12/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	--	3F41201-05	6/12/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	--	3F41201-04	6/12/2014 8:38	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41201
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	--	3F41201-04	6/12/2014 8:38	Soil Vapor	Primary Sample	Primary Result	8260B	Dichlorodifluoromethane	75718	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	--	3F41201-04	6/12/2014 8:38	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41201
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	SVL-528-SA6-SV-5.5-6.5	280-56666-1	6/12/2014 8:48	Soil Vapor	Split Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56666-1
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	--	3F41901-07	6/19/2014 11:35	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	--	3F41901-07	6/19/2014 11:35	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	--	3F41901-07	6/19/2014 11:35	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	--	280-56667-4	6/13/2014 10:56	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	--	280-56667-3	6/13/2014 11:22	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	SVL-544-SA6-SV-10.0-11.0	280-56667-6	6/13/2014 11:22	Soil Vapor	Field Duplicate	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	--	280-56667-5	6/13/2014 10:16	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	--	280-56667-2	6/13/2014 8:53	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	--	280-56667-1	6/13/2014 9:24	Soil Vapor	Primary Sample	Primary Result	TO-15	1,1-Dichloroethene	75354	0.0159	UJ	Non-Detect Estimated Value	TestAmerica - Denver	V	C	280-56667-1
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	--	3F41901-06	6/19/2014 11:09	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	--	3F41901-06	6/19/2014 11:09	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	--	3F41901-06	6/19/2014 11:09	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.11	J	Estimated Value	EST	V	*III	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	--	3F40301-02	6/3/2014 7:55	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.079	J	Estimated Value	EST	V	*III	3F40301
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	--	7476672	5/22/2014 10:05	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0019	1476965
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	--	7476672	5/22/2014 10:05	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0045	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476965
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	--	7476672	5/22/2014 10:05	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1476965
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	--	7476678	5/23/2014 9:34	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1476966
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	--	7476678	5/23/2014 9:34	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.00085	1476966
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	--	7476678	5/23/2014 9:34	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0016	1476966
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	SVL-512-SA8-SV-8.0-9.0	7476684	5/23/2014 8:44	Soil Vapor	Field Duplicate	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1476966
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	SVL-512-SA8-SV-8.0-9.0	7476684	5/23/2014 8:44	Soil Vapor	Field Duplicate	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1476966
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	SVL-512-SA8-SV-8.0-9.0	7476684	5/23/2014 8:44	Soil Vapor	Field Duplicate	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1476966
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	--	7476673	5/22/2014 10:50	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1476965
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	--	7476681	5/23/2014 8:23	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0022	1476966
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	--	7476681	5/23/2014 8:23	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0014	1476966
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	--	7476681	5/23/2014 8:23	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1476966
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	--	7476679	5/23/2014 8:44	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1476966
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	--	7476679	5/23/2014 8:44	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1476966
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	--	7476680	5/23/2014 9:02	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0021	1476966
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	--	7476680	5/23/2014 9:02	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.0068	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476966
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	--	7476680	5/23/2014 9:02	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1476966
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	--	7476674	5/22/2014 8:49	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.002	1476965
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	--	7476674	5/22/2014 8:49	Soil Vapor	Primary Sample	Primary Result	TO-15	Ethylbenzene	100414	0.0059	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476965
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	--	7476674	5/22/2014 8:49	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.025	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476965
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	--	7476674	5/22/2014 8:49	Soil Vapor	Primary Sample	Primary Result	TO-15	o-Xylene	95476	0.013	U	Non-Detect	Lancaster	V	F, RL changed from 0.0043	1476965
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	--	7476674	5/22/2014 8:49	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.015	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476965
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	--	7476683	5/23/2014 10:36	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.0025	1476966
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	--	7476683	5/23/2014 10:36	Soil Vapor	Primary Sample	Primary Result	TO-15	Methylene chloride	75092	0.0035	U	Non-Detect	Lancaster	V	F, result changed from 0.0013	1476966
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	--	7476683	5/23/2014 10:36	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0015	1476966
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	--	7476682	5/23/2014 10:59	Soil Vapor	Primary Sample	Primary Result	TO-15	Dichlorodifluoromethane	75718	0.0049	U	Non-Detect	Lancaster	V	F, result changed from 0.002	1476966
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	--	7476682	5/23/2014 10:59	Soil Vapor	Primary Sample	Primary Result	TO-15	m-Xylene & p-Xylene	179601231	0.0043	U	Non-Detect	Lancaster	V	F, result changed from 0.001	1476966
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	--	7476682	5/23/2014 10:59	Soil Vapor	Primary Sample	Primary Result	TO-15	Toluene	108883	0.005	U	Non-Detect	Lancaster	V	F, RL changed from 0.0038	1476966
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	--	7476682	5/23/2014 10:59	Soil Vapor	Primary Sample	Primary Result	TO-15	Trichlorofluoromethane	75694	0.0056	U	Non-Detect	Lancaster	V	F, result changed from 0.0012	1476966
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	--	3F40201-02	6/2/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	--	3F40201-02	6/2/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	--	3F40201-02	6/2/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	--	3F40201-02	6/2/2014 9:08	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	--	3F40201-03	6/2/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	--	3F40201-03	6/2/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	--	3F40201-03	6/2/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	--	3F40201-03	6/2/2014 9:35	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	--	3F40201-04	6/2/2014 9:58	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	--	3F40201-04	6/2/2014 9:58	Soil Vapor	Primary Sample	Primary Result	8260B	1,1-Dichloroethane	75343	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	L	3F40201
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	--	3F40201-04	6/2/2014 9:58	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	--	3F40201-04	6/2/2014 9:58	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	Lancaster	V	C	3F40201
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	--	3F41801-08	6/18/2014 12:57	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	--	3F41801-08	6/18/2014 12:57	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	--	3F41801-09	6/18/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	L	3F41801
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	--	3F41801-09	6/18/2014 13:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41801
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	--	3F41901-04	6/19/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	--	3F41901-04	6/19/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	--	3F41901-04	6/19/2014 9:28	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,1-Trichloroethane	71556	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	Carbon Tetrachloride	56235	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	cis-1,2-Dichloroethene	156592	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	Methylene chloride	75092	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	trans-1,2-Dichloroethene	156605	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F40301
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	--	3F40301-03	6/3/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	Trichlorofluoromethane	75694	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F40301
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	--	3F41901-02	6/19/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	--	3F41901-02	6/19/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	--	3F41901-02	6/19/2014 8:34	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	SVL-543-SA8-SV-6.25-7.25	3F41901-03	6/19/2014 8:34	Soil Vapor	Field Duplicate	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	SVL-543-SA8-SV-6.25-7.25	3F41901-03	6/19/2014 8:34	Soil Vapor	Field Duplicate	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	SVL-543-SA8-SV-6.25-7.25	3F41901-03	6/19/2014 8:34	Soil Vapor	Field Duplicate	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	--	3F41901-05	6/19/2014 10:37	Soil Vapor	Primary Sample	Primary Result	8260B	1,1,2,2-Tetrachloroethane	79345	0.02	UJ	Non-Detect Estimated Value	EST	V	*III	3F41901
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	--	3F41901-05	6/19/2014 10:37	Soil Vapor	Primary Sample	Primary Result	8260B	m-Xylene & p-Xylene	179601231	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	--	3F41901-05	6/19/2014 10:37	Soil Vapor	Primary Sample	Primary Result	8260B	Toluene	108883	0.02	UJ	Non-Detect Estimated Value	EST	V	C	3F41901

TABLE 4-1
PHASE 3 SOIL VAPOR
SUMMARY OF QUALIFIED DATA
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
(Page 10 of 10)

Object Name	Sample Name	Parent Sample Name	Lab Sample Name	Collection Date	Matrix Type	Sample Type	Result Type	Analysis Method	Analyte	CAS Number	Result Value (µg/L)	Validator Qualifier Code	Validator Qualifier Description	Lab Name	Validation Level	Validation Notes	Validation Report Identifier

Acronyms
µg/L - micrograms per liter
CAS - chemical abstract service
EST - Environmental Support Technologies
RL - reporting limit

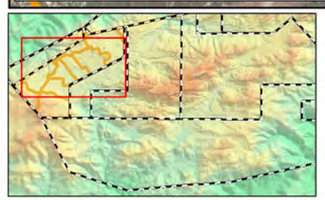
Validation Notes:
B - Presumed contamination as indicated by the preparation (method) blank results.
C - Calibration percent standard deviation or percent difference was non-compliant.
F - Presumed contamination as indicated by the field blank or equipment rinse blank results.
*III - Laboratory control spike/laboratory control spike duplicate relative percent difference exceeded the control limit.
L - Laboratory blank spike/blank spike duplicate percent recovery was not within control limits.

Validation Qualifiers:
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ - The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

FIGURES



Please Note: The original version of this figure includes colorize features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information



Basemap Legend

- Administrative Boundaries
- Area IV Subareas
- Existing Structure
- Removed Structure

- Active Soil Vapor Sample Location
- Deferred Active Soil Vapor Sample Location
- Soil Sample Location (Soil vapor probe not installed due to less than 5.5 feet of soil)
- Location Drilled but no Samples Collected due to Thin Soils

Phase 3 Soil Vapor Sample Locations

SANTA SUSANA FIELD LABORATORY

Document: C:\Rocketdyne_MXDs\GoBacks_SV.mxd Date: 09/18/2014

0 230 460 Feet

N

FIGURE 1-1

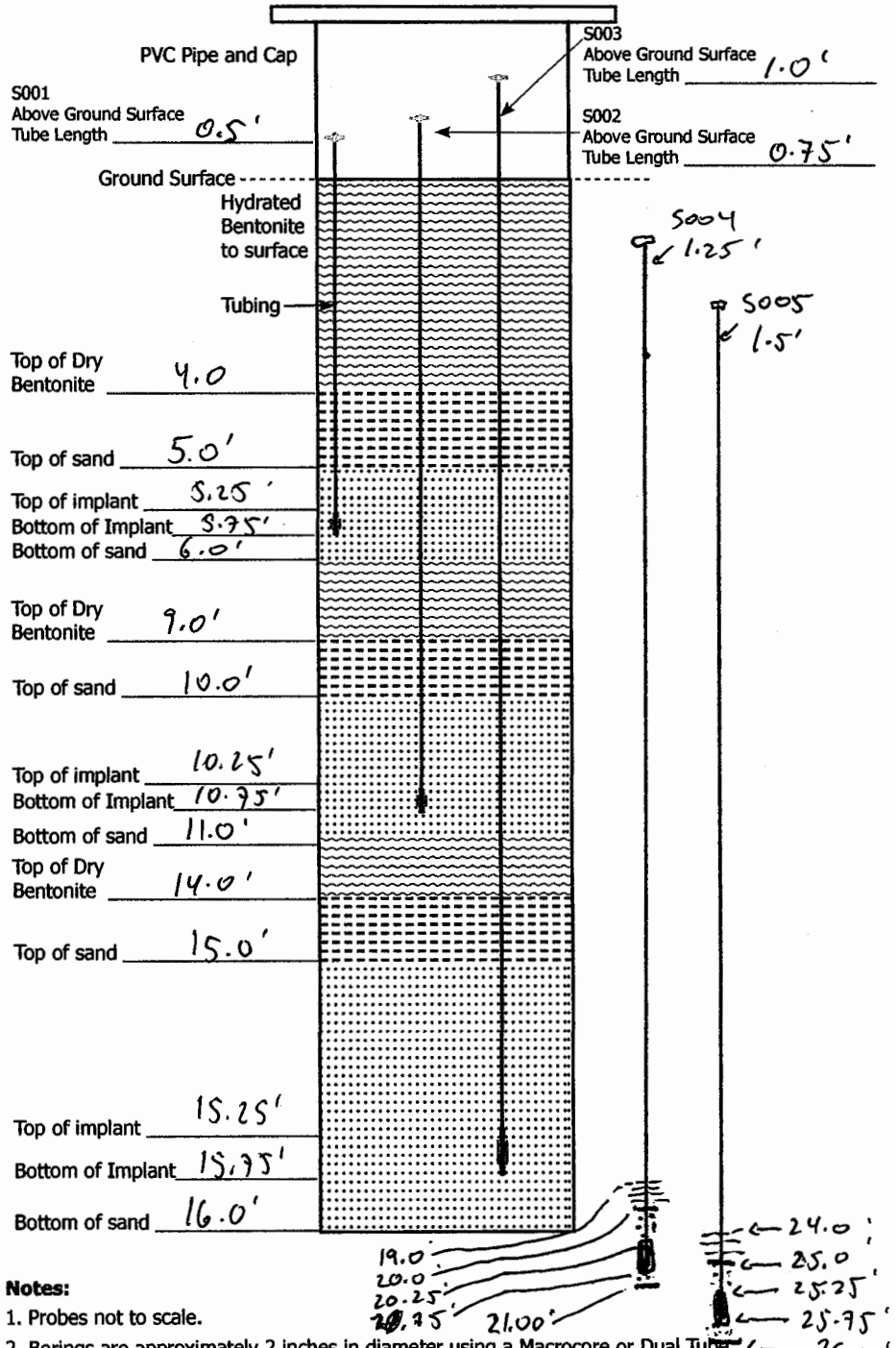
APPENDIX A

SOIL BORING LOGS AND
SOIL VAPOR PROBE CONSTRUCTION DETAILS

MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-504
Project: Phase 3 DOE Data Gap Sampling 2014
Job #: 10503982.3050105/10503982.3060105
Site: SA
Logged by: RUB ELLIS
Reviewed by:
Drilling Contractor: EST
Driller: MATT MCMULLEN
Rig Type/Method: Geoprobe 5400
Borehole TD: 30.0' bgs
Borehole Diameter: 2.25"
Probe Completion Date/Time: 05 JUN 14 11:30



Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3 sand
Manufacturer: Cemex

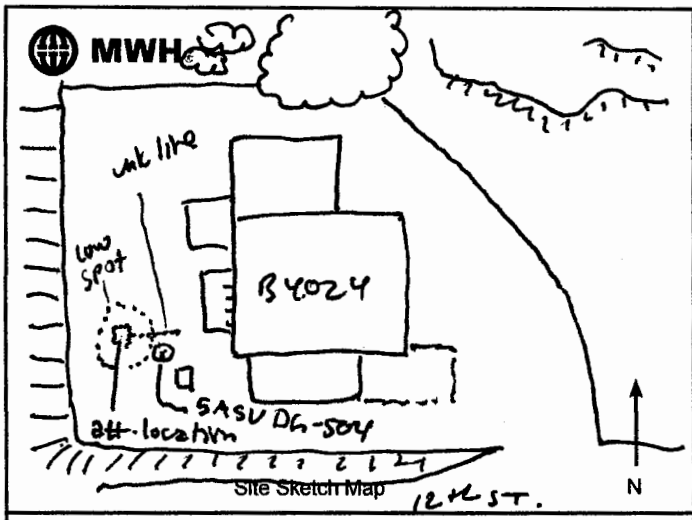
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SASV DG-504 Sheet 1 of 2

Project: Phase 3 DOE SVDG 2014

Job #: 105038892.3050166 Site: SA B4024 (W)

Logged By: RWBEELS Reviewed By:

Drilling Contractor: EST Drillers Name: MARK MCMULLEN

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 30.0

Drill Bit Type: Macro core

Drill Start Time/Date: 08:43 05 JUN 14 Drill Finish Time/Date: 09:50 05 JUN 14

Soil Vapor ID: SASV DG-504

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 11:06 - 05 JUN 14

Observations: ☐ Debris ☐ Staining ☐ Odors ☒ ~~Groundwater~~ perched water ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0

Surface Completion: SV probe

Soil Vapor Well Detail Completed (yes/no) attached 250-260

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
0.0 ppm		45"				0		4" asphalt 0.0-0.35'					
						1		0.35-17.3					
								poorly sorted sand with silt (SP-SM). dark yellowish brown (10YR 4/6), moist, loose, Predom. fine sand (55), little silt (20), little med sand (15), few coarse (10) w/ trace gravels. Coarse fraction consists mostly of sand stone grains w/ oxidation rinds. Several sand stone clasts up to 2" throughout, angular to sub angular and weathered. Occasional small (~1") lens of SM (silty sand). No stain or odor. Fill material.	TR	10	15	55	20
						2							
						3	SP SM						
0.0 ppm		46"				4							
						5							
						6							
						7							
0.0 ppm		46"				8							
						9							

Boring ID: SASV DG-504 Project: Phase 3 DOE SUDG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10		17.3 - ~~30~~ 24.5					
						11		Silty sand (SM), Brown (10YR 4/3)	–	–	TR	65	35
								Mostly fine sand (65), some					
						12		silt (35), moist, loose,					
0.0 ppm		42"					SP-SM	mottled throughout but sporadic					
						13		oxidation around small coarse					
								sand-gravel sized sandstone					
						14		fragments. One stray larger					
								dast up to 1.5" of sandstone.					
						15		No stain, no odor. PID meter					
						16		24.5 - 30.0				15	
0.0 ppm		48"						Poorly sorted sand w/ silt (SP-SM) -		TR	TR	60	25
						17		Dark yellow brown (10YR 4/6).					
								Mostly fine sand (60), little					
						18		silt (25), and little med. um (15)					
								trace coarse grains, No fill material					
						19		stain, no odor. ~~Possible bedrock~~					
								~~contact. Wood fragments @ 28.8'~~					
						20		bgs, water logged. 27.8'					
0.0 ppm		42"						Interval is moist until					
						21		28.0' where it becomes					
								saturated/wet. Possible					
						22	SM	perched water from former					
								basement feature of B4024.					
						23							
								TD = 30.0' bgs with refusal on					
						24		sandstone; dark bluish gray					
0.0 ppm		27"						(GLEY2 4/5B).					
						25							
								* Boring caved in to 27.1' bgs.					
						26		+ 6" of water. First probe set					
							SP-SM	to 25.5' center after #8 chips					
						27		to 26.0' bgs.					
						28		* Borehole moved to alternate, N/A'					
0.0 ppm		24"						west of primary location to target					
						29		low spot and geophysical anomaly					
								in pedestrian, cut/patched asphalt					

TD = 30

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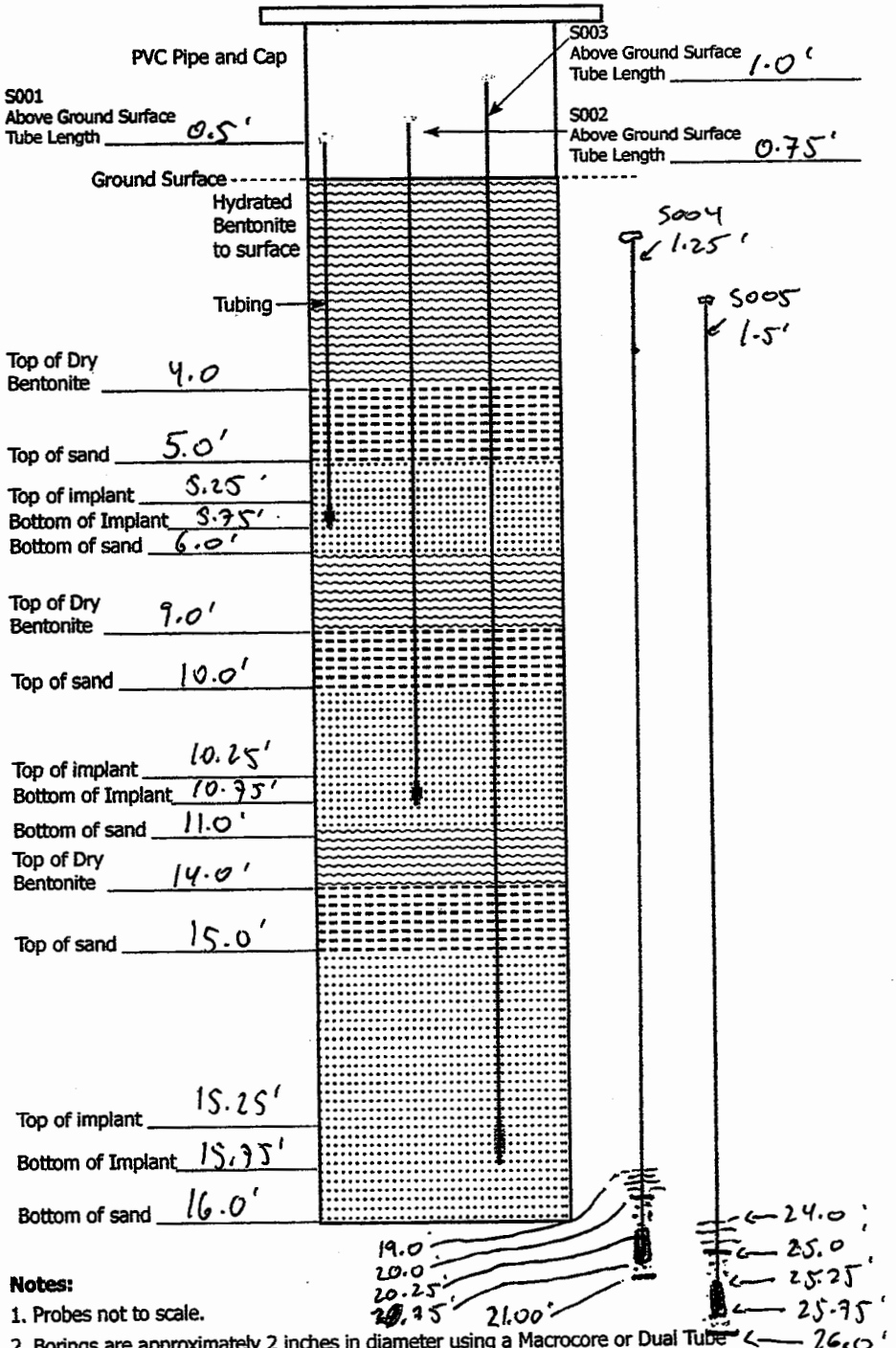
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-S09
Site: SA
Drilling Contractor: EST
Borehole TD: 32.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RBELLIS
Driller: MARTY KILHULLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 540
Probe Completion Date/Time: 05 JUN 15:00



Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

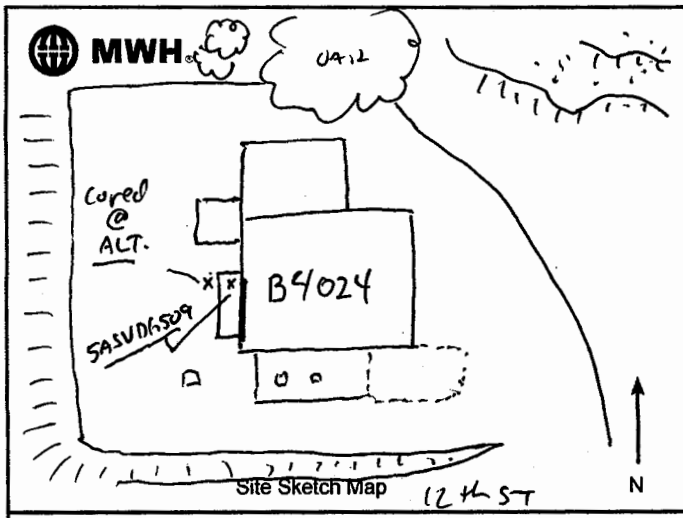
Sand Pack Specs
Grain Size: #3 sand
Manufacturer: Cemex

Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2



Site Sketch Map 12th ST

Boring ID: 5ASV DG-509	Sheet 1 of 2
Project: Phase 3 DOE SVDG 2014	
Job #: 10503892.3050106	Site: 5A B4024 (W)
Logged By: RMB Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty McMullen
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 32.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 11:50 05JUN14	Drill Finish Time/Date: 12:50 05JUN14
Soil Vapor ID: 5ASV DG-509	Soil Boring Backfill Time/Date: N/A
	Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 05 JUN14 ; 13:50	Observations: ☐ Debris ☒ Staining (oxide) ☐ Odors ☐ ~~Groundwater~~ (perched water) ☐ None
Soil Vapor Probe Depths (ft.bgs): 5-6, 10-11, 15-16, 20-21, 25-26	Surface Completion: SV probe on asphalt
Soil Vapor Well Detail Completed (yes/no): attached	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: concrete/asphalt interface @ base of ramp

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.3 ppm		40"				0		4" asphalt 0.0-0.35'					
								0.35' - 26.8					
						1		Poorly sorted sand with silt	—	5	10	60	25
								(SP-SM), dark yellowish brown					
						2		(10YR 4/6), moist, loose. Mostly					
								fine sand (60), little silt (25),					
						3		few medium (10) and coarse (5)					
								sand. Some asphalt gravels at					
0.0 ppm		29"				4		the top few inches, and a small					
								1.5" layer of pea gravel @ 2.5' bgs					
						5	SP-SM	Rest of coarse fraction is sandstone					
								clasts ½" to 1", sporadic,					
						6		semi uniform through section,					
								oxide rinds and proximal to					
						7		clasts. No stain, no odor					
								fill material.					
0.0 ppm		30"				8							
								Rusted nail @ 23.0' bgs w/ staining					
						9		(rust) around it. Base gravel					
								up to 1.0" at fill / native contact					

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Boring ID: SASV DH-509 Project: Phase 3 DOE SVDH 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10		26.8 - 32.0 h					
						11		Poorly sorted sand (sp) ~~with silt (ml)~~	-	-	10	75	15
						12		Dark yellowish brown (10YR 4/6), mostly fine sand (75), little silt (15)					
0.5 ppm		41"				13		and few coarse sand (10). No stain, no odor. Possible native soil.					
						14		Interval is moist, loose, but becomes more wet at 27.5' bgs., Possible perched water from former basement footing of BLDG 4.					
00 ppm		38"				15							
						16							
						17	SP	TD = 32.0' with refusal on hard sandstone. Sandstone is dark bluish gray (5BG 4/1)					
						18	SM						
						19		• Boring cored to 31.0', water in hole to 27' bgs. First probe set to 25.5' center after #8 chips backfilled to 26.0' bgs. Dry after 20 minutes.					
00 ppm		29"				20							
						21							
						22		• Bore hole moved ~6.0' to the (W) to avoid concrete ramp. Borehole is in asphalt at interface of concrete and asphalt.					
						23							
0.3 ppm		27"				24							
						25							
						26							
						26.8							
						27							
						28							
0.1 ppm		39"				29	SP						
						30							
						31.0							
						32.0 = TD							

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

MWH

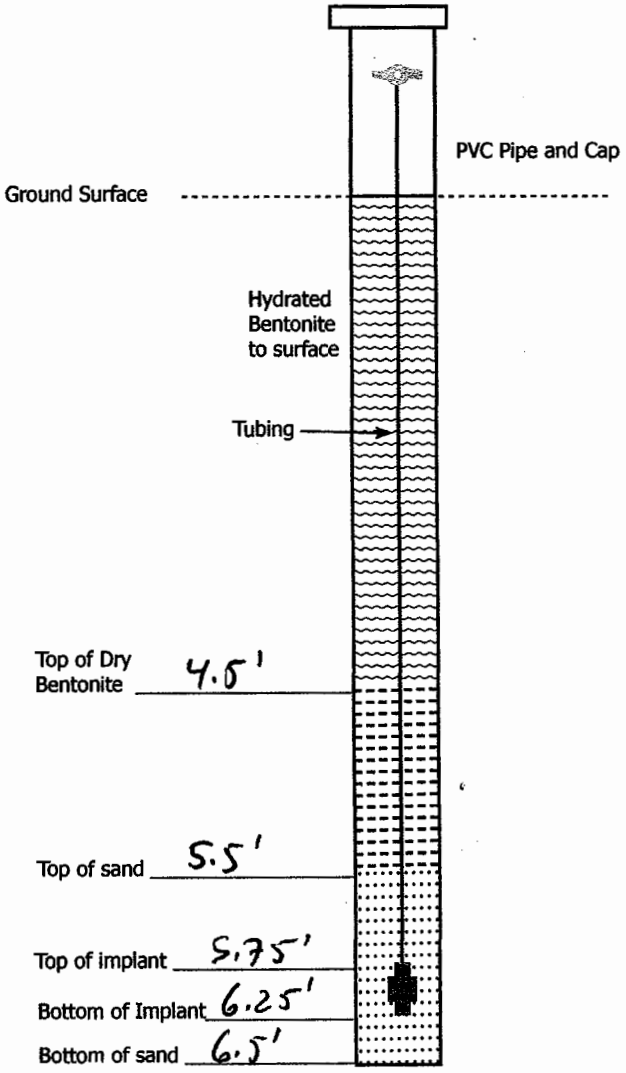
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-512 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA Reviewed by: Logged by: ROSS ELLIS

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: MARK ILLINGWORTH

Borehole TD: 6.5' bgs Probe Completion Date/Time: 05JUN14 08:00 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Comex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

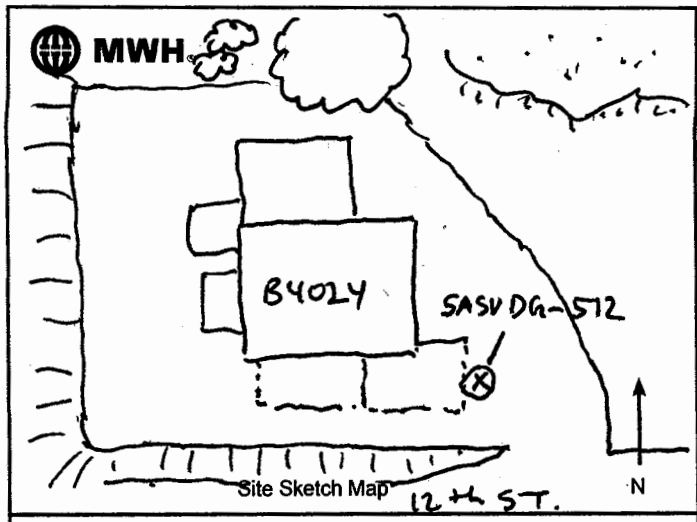
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASV DG-512	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: 5A B4024 (E)
Logged By: RMBelles	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 6.5'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 07:41 05 JUN 14	Drill Finish Time/Date: 07:48 05 JUN 14
Soil Vapor ID: SASV DG-512	Soil Boring Backfill Time/Date: N/A
	Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 05 JUN 14; 08:00	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.5'-6.5'	Surface Completion: SV probe
Soil Vapor Well Detail Completed (yes/no) attached	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description asphalt

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: flat

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		39"				0		4" asphalt 0.0-0.35					
						1	CL	~~0.0-0.5~~ 0.35-0.9				15	
								Clay (CL), dark yellowish	TR	5	-	~~15~~	80
						2		Brown (10YR 3/4). Slightly moist,					
							SP	hard, no dilatency, high dry					
						3		strength, med. toughness, Mostly					
								clay (80), little fine sand (15),					
						4		few coarse sand (5), TR gravels					
0.0 ppm		30"						throughout (asphalt). No stain					
						5		no odor, Fill material.					
								0.9 - 6.5					
						6		Poorly graded sand (SP), dark	TR	10	10	70	10
						TD: 6.5		yellowish brown (10YR 4/4).					
						7		moist, loose. Mostly fine					
TD = 6.5' bgs								sand (70), few silt, med,					
w/ refusal						8		coarse sand (10% each), TR	1/2"				
on sandstone								gravels throughout up to ~~1/2~~					
bedrock.						9		Several clasts of sandstone all					
								throughout up to 2". No stain					
								no odor. Fill material.					

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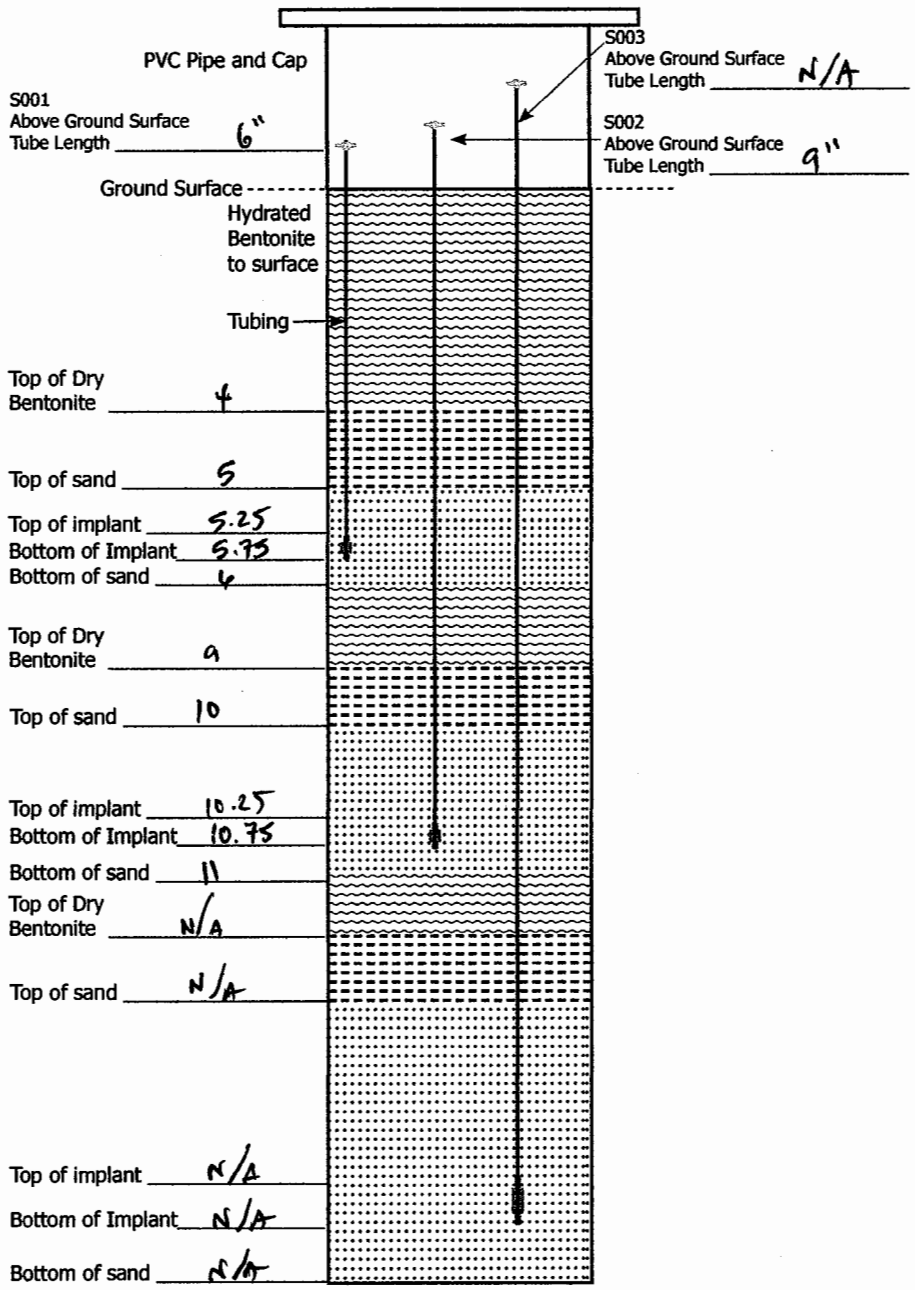
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-S21
Site: SA
Drilling Contractor: EST
Borehole TD: 11'

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ANDREW PAYNE
Driller: MARTIN KILHAMEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: GEOPROBE 5400 / DP
Probe Completion Date/Time: 6/6/14 1000



Vapor Implant Specs

Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs

Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite

Type: #8
Manufacturer: CETCO

Hydrated Bentonite

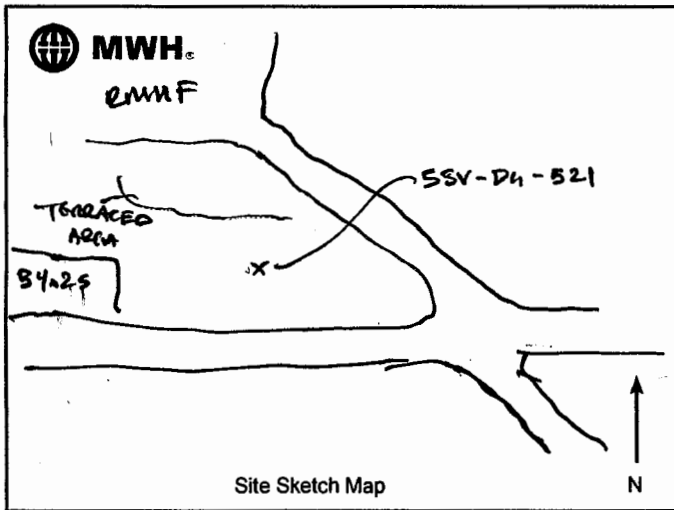
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SSV-DG-521	Sheet 1 of 2
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA
Logged By: ANDREW RAYNO	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KLUHULLEN
Drill Rig Type/Method: GEOPROBE 5400/DP	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 11'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 0925 6/6/14	Drill Finish Time/Date: 1000 6/6/14
Soil Vapor ID: SSV-DG-521	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 6/6/14 1000	Observations: ☐ Debris ☑ Staining (OXIDATION) ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5-6, 10-11	Surface Completion: SOIL VAPOR PROBE
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: WEATHERED SS ☒ Bedrock ☐ Debris ☐ Gravel ☒ Unknown (AP) ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: GRASSES, MUSTARD, SHRUBS (SPARSE)

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0		SILTY SAND (SM) DRY, (BROWN - 10YR 4/3), LOOSE	—	—	5	75	20
						1		TO MEDIUM DENSE, FINE SAND, TRACE MED. SAND,					
								ROOTS, FILL MATERIAL					
0.0		48"	—	N/A NONE	—	2							
						3	SP (AP)	SAND W/ GRAVEL @ 3.5-4.0, DRY, LOOSE,	15	10	30	30	5
							SP-SM	GRAYISH BROWN (10YR 5/2), FINE TO CS					
						4		SAND, ~15% GRAVEL, SAND AND GRAVEL IS					
								AND TO SR; FILL; TRACE FINES.	—	—	15	55	30
						5	SM	SILTY SAND (SM), MOIST, BROWN (10YR 4/3) TO					
								~~YELLOWISH~~ (AP) BROWN (10YR 6/6) -ISH YELLOW; MEDIUM DENSE,					
0.0		48"	—	N/A NONE	—	6		FINE TO MEDIUM SAND, SA TO SR, ~25-30% FINES					
								STRONG BRN (7.5YR 4/6) MOTTLING/OXIDATION, MICA,					
						7		CHARCOAL? (BLACK PIECES 10Y 2/1); NO ODOR					
								NATIVE/ALLUVIUM.					
						8	SP-SM	SAND W/ SILT (SP-SM), DRY TO MOIST, VERY PALE	—	—	15	70	15
								BROWN (10YR 7/4) W/ STRONG BROWN (7.5YR 5/8)					
						9		OXIDATION (@ 8-8.25), FINE TO MEDIUM SAND, ~15%					
0.0		36" ~~48~~ (AP)	—	N/A NONE	—			FINES; NATIVE ALLUVIUM; SA TO SR SAND.					
						10							

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Boring ID: SSV-DA-S2 | Project: SV INSTALLATION | Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0	X	36"	—	N/A (NONE)	—	10	SP	SAND (SP), DRY, LOOSE, VERY PALE BROWN (10YR 7/3), FINE TO MED SAND, TRACE FINES; SEARCH TO SUBSURFACE, NATIVE ALLUVIUM. INGATHERED SS PIECES ~ 1/4–1/8" DIA.					5
						11							
						2							
						3							
						4		TD = 11'					
						5		UNCONSOLIDATED / BEDROCK					
								DUAL NEST SV PROBE S-6', 10-11'					
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

MWH

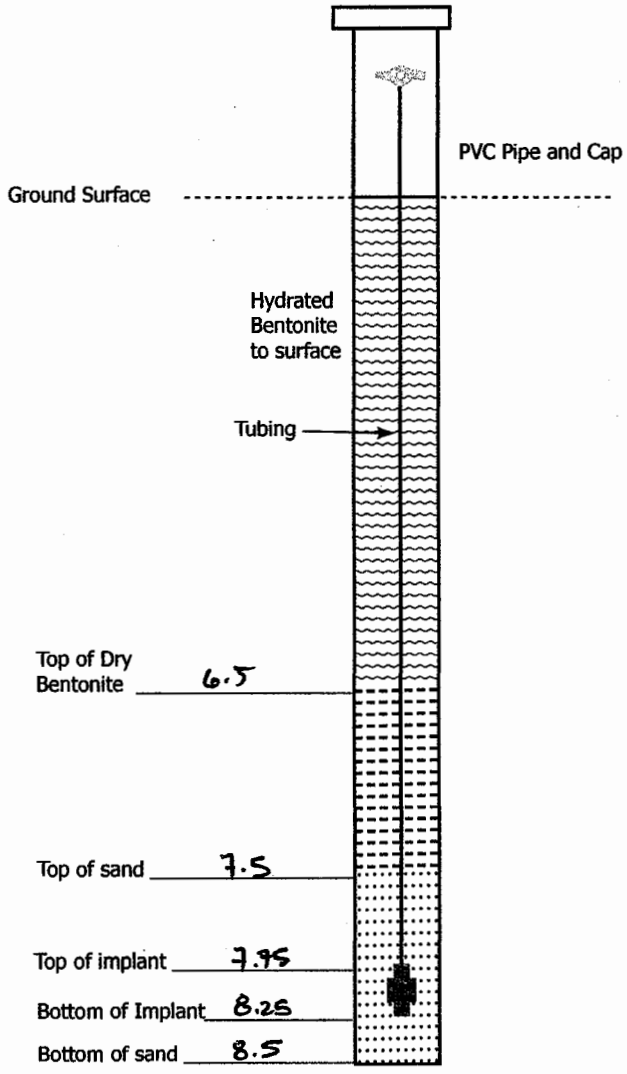
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-522 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA 5 | Reviewed by: | Logged by: Robert Evans

Drilling Contractor: EST | Rig Type/Method: ~~MARTIN~~ GEOPROBE 5400 / DP | Driller: MARTIN KILMULLEN

Borehole TD: 8.5' | Probe Completion Date/Time: 6/6/14 0845 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

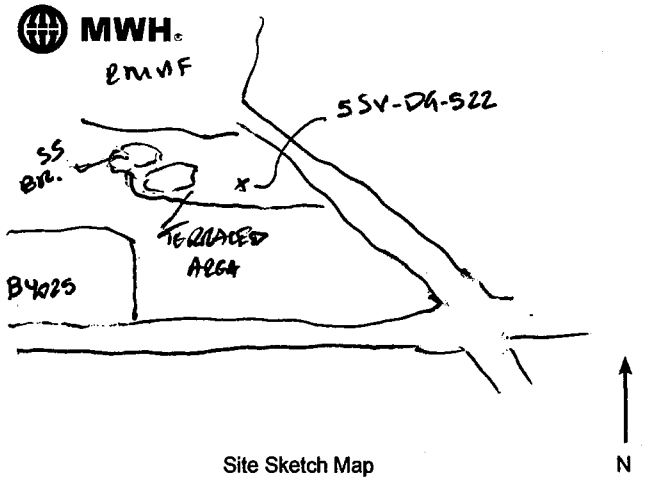
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: SSV-DG-522	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 5
Logged By: Andrew Rayne	Reviewed By:
Drilling Contractor: EST	Drillers Name: Martin Kilhullen
Drill Rig Type/Method: GEOPROBE 5400/DP	
Sampler Type: MACROCORE	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 8.5'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 0815 6/6/14	Drill Finish Time/Date: 0830 6/6/14
Soil Vapor ID: SSV-DG-522	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 6/6/14 0845	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 7.5 - 8.5'	Surface Completion: SOIL VAPOR PROBE
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ON SS / WEATHERED ☒ Bedrock ☐ Debris ☐ Gravel ☒ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: GRASS AND BRUSH

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, BROWN (10YR 4/3), FINE SAND, ~65% FINE, ~15% MEDIUM SAND, ~20% FINES, LOOSE; ROOTS; FILL MATERIAL; SAND IS SA TO SR.	—	—	15	65	20
0.0		40"	—	NONE	—	1		@ 1.5-2.0 INTERVAL OF LIGHT YELLOWISH BROWN (10YR 6/4) W/ PIECES OF SS (FROM A SMALL ROCK)					
						2							
						3							
						4							
						5	SM	SILTY SAND (SM) DRY, LOOSE, DARK YELLOWISH BROWN (10YR 4/4), ~65% FINE SAND, 10% MEDIUM, 25% FINES, FILL MATERIAL; SAND IS SA TO SR	—	—	10	65	25
0.0		48"	—	NONE	—	6		@ 7.5 - 8.0 - MEDIUM DENSE					
						7							
0.0		6"	—	NONE	—	8	SP	SAND (SP) YELLOWISH BROWN, DRY, FINE TO MEDIUM LOOSE SAND, SAND IS ANG TO SUB	—	—	80	15	5
						9		ROUNDED, TD=8.5'; ~~UNKNOWN~~ REFUSAL, SV PROBE @ 7.5-8.5'					

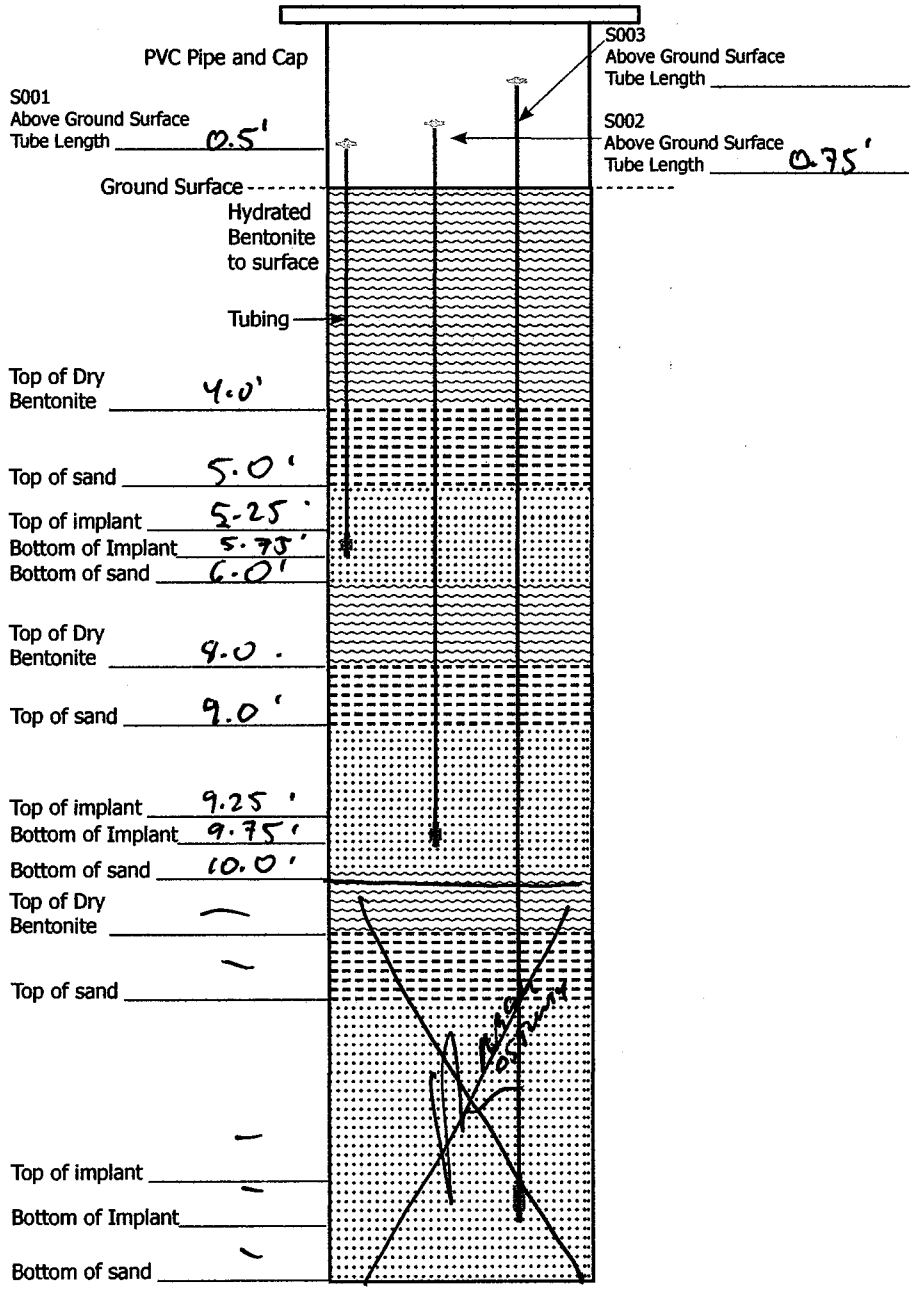
LIGHTWORD SS BEDROCK

QA/QC
Surficial media boring log rev 2-25-2014

MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-528
Project: Phase 3 DOE Data Gap Sampling 2014
Job #: 10503982.3050105/10503982.3060105
Site: SA
Logged by: RUSSELL S
Reviewed by:
Drilling Contractor: EST
Driller: MARTY KLEINLEIN
Rig Type/Method: Geoprobe 5400
Borehole TD: 10.0' bgs
Borehole Diameter: 2.25"
Probe Completion Date/Time: 05 JUN 14. 15:00



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3 Sand
Manufacturer: Cemex

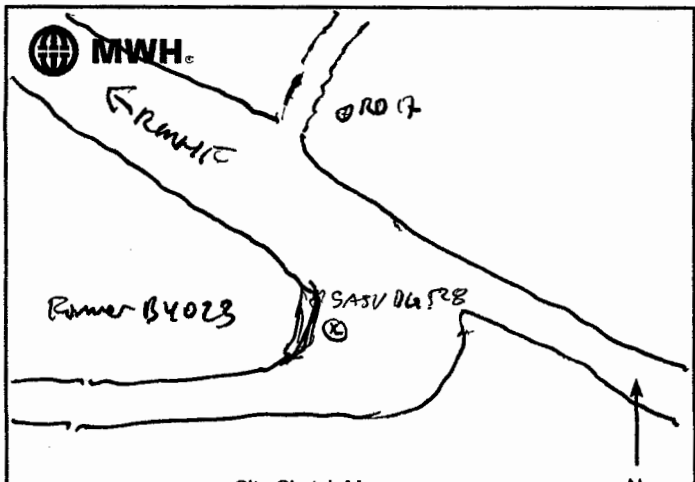
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2



Site Sketch Map

Boring ID: 5ASV DG-528	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503892.3050108	Site: 5A
Logged By: RUBENIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore.	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 10.0'
Drill Bit Type: macrocore	
Drill Start Time/Date: 14:25 05 JUN 14	Drill Finish Time/Date: 14:40 05 JUN 14
Soil Vapor ID: 5ASV DG-528	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 05 JUN 14; 15:00	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0'; 9.0-10.0'	Surface Completion: SV probe on asphalt
Soil Vapor Well Detail Completed (yes/no) attached.	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: asphalt, slight grade SE

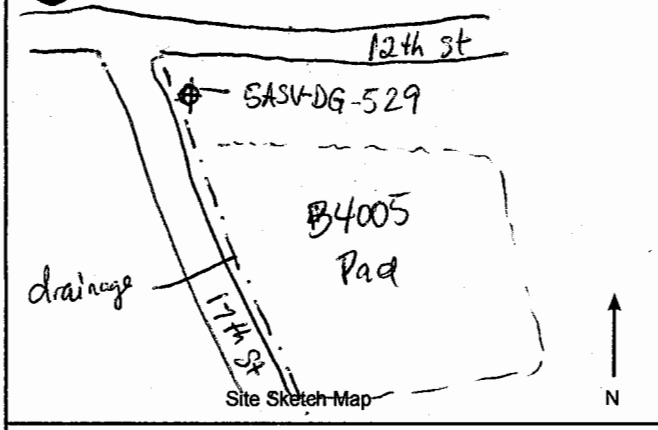
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 BM		44"				0		0.0 - 0.35 4" asphalt					
						1	SP GP	0.35 - 1.7 graded poorly ~~sorted~~ sand w/ gravel, (SP-GP), gray (10YR 6/1),	20	10	15	45	10
						2		Mostly fine sand (45), little gravel (20),					
						3	SP	little medium (15), few silt (10)					
								coarse sand (10), med dense-dense,					
						4		dry. No stain, no odor. Fill					
		48"						Some base gravel at 1.7' bgs.					
						5		1.7 - 4.0					
			TD = 10.0' w/ refusal on sandstone bedrock				SP SM	Poorly graded sand (SP), yellowish brown (10YR 5/4) loose, dry.	-	-	5	85	10
						6		Mostly fine sand (85), few silt					
						7		(10) and few med sand (5). No					
								Stain, no odor. Fill.					
						8		4.0 - 8.5					
		24"						Poorly sorted sand with silt (SP-SM)	-	-	TR	75	25
						9		dark brown (10YR 3/2) grades to dk yellow					
							SM	brown (10YR 3/6). dry loose. Mostly					
						10.0		fine sand (75), little silt (25), trace med sand.	-	-		65	35

No stain, no odor. Fill.

8.5 - 10.0
silty sand (SM). Dark yellow brown (10YR 4/6). Transitions to dry loose, yellow brown (10YR 5/8

QA/QC
Surficial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: SASV-DG-529 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400/DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 4.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1430/6-5-2014 Drill Finish Time/Date: 1445/6-5-2014

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1507/6-5-14 Backfill Material: Soil cuttings.

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: E. side of asphalt swale	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SW-GW	Asphalt 2" (v.v)	15	10	25	50	NR
						1		Well Graded Sand w/ Gravel & brownish yellow (10YR 6/6) with black (10YR 2/1)	-	-	25	50	25
		48"					SM	~~asphalt~~ (v.v) asphalt/tar staining, fill					
						2		0.75' - 1.0', Asphalt - black (10YR 2/1)					
								fine to coarse sand, fine gravel					
						3		Silty Sand (SM), brownish yellow (10YR 6/8), loose, dry, fine to					
						4		medium sand, non-plastic silt,					
		6"			15:04		SP		-	-	15	85	-
								no odors, slight asphalt stains (very					
SVL-529-SASA-SB-4.0-4.5						5		dark grayish brown (10YR 3/2)), fill					
						6		Poorly Graded Sand (SP), brownish					
								yellow (10YR 6/8), loose, dry, fine					
						7		sand and medium sand, weak					
							Br	oxidation (reddish yellow (5YR 6/8)),					
						8		native soil					
								Sandstone, weathered					
						9		TD=4.5, refusal on bedrock,					
								Collected encores for VOC analyses					

Single Soil Vapor Probe Construction Diagram

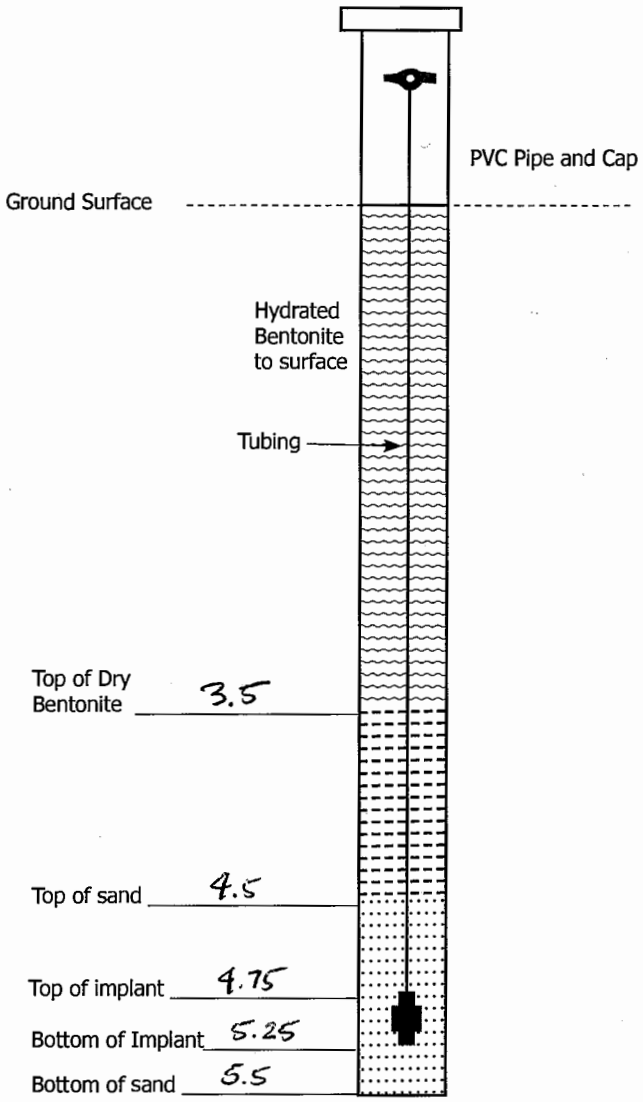
MWH

Probe ID/Soil ID: SASV-DG-537 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA 6A | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 5.5 | Probe Completion Date/Time: 1420 / 6-5-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: # 3

Manufacturer: Cemex

Dry Bentonite

Type: # 8

Manufacturer: Cetco

Hydrated Bentonite

Type: # 8

Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5ASV-DG-537	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1345 / 6-5-2014	Drill Finish Time/Date: 1407 / 6-5-2014
Soil Vapor ID: 5ASV-DG-537	Soil Boring Backfill Time/Date: N/A Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1420 / 6-5-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Just off asphalt, Road base Silty Sand w/ Gravel (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand to coarse sand, some angular gravel (road base), fill	15	10	30	25	20
						1							
						2		@ 2' grades w/o gravel, color changes to yellowish brown (10YR 5/8), fine to med. sand, fill	-	-	10	70	20
						3							
						4	SP	Poorly Graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand and silt trace silt,	-	-	-	100	TR
						5							
						6	Br	no stains or odors (P.I.D.), native soil @ 5.5' Sandstone, weathered.					
						7		TD = 5.5, refusal on bedrock, install vapor probe at 4.5-5.5					
						8							
						9							

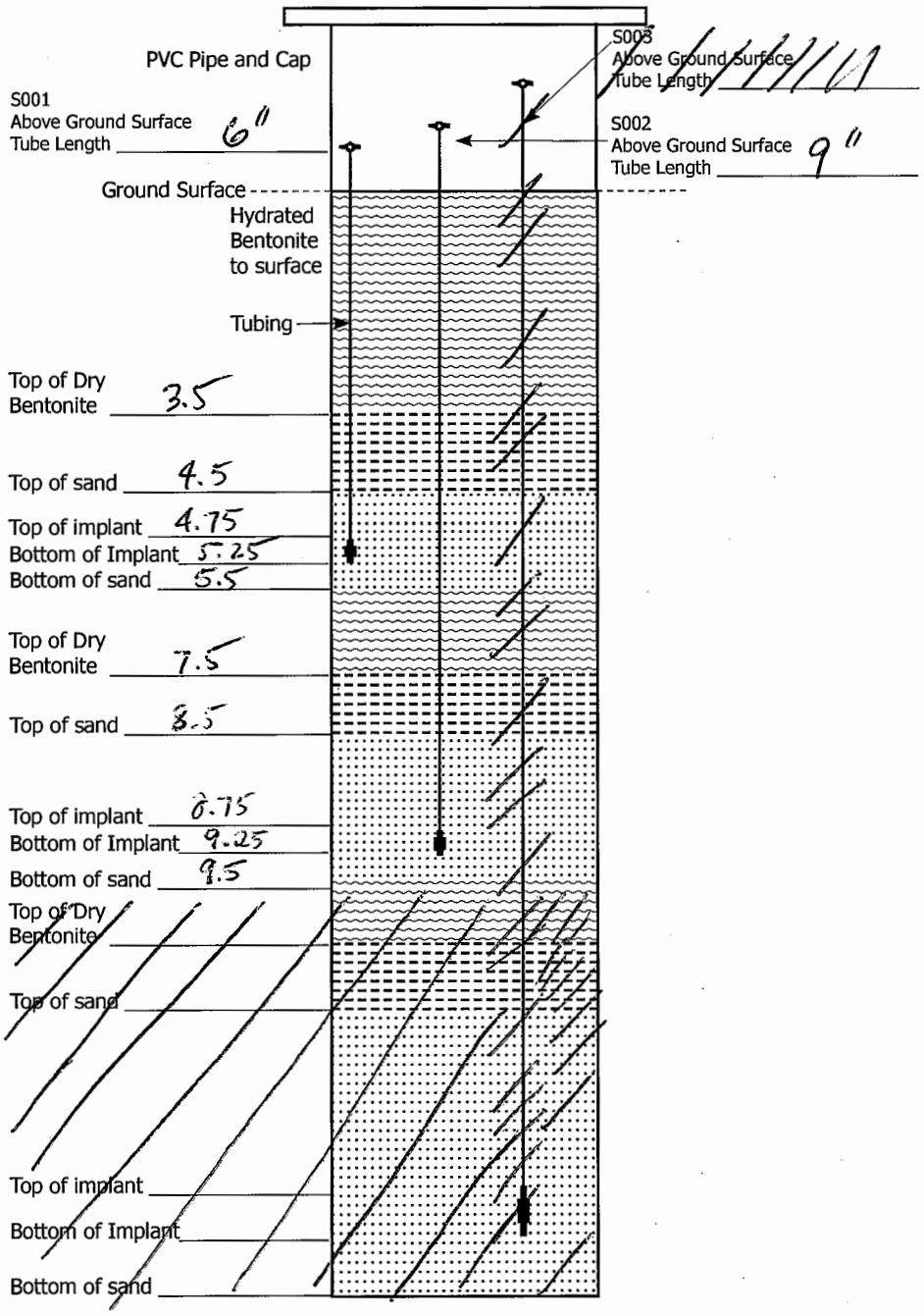
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-540 | Project: Phase 3 DOE SV DG | Job #: 1050982

Site: SA 54 | Logged by: V. Vathavasri | Reviewed by:

Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400 / DP

Borehole TD: 9.5' | Borehole Diameter: 2.25" | Probe Completion Date/Time: 0945 / 6-5-10



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

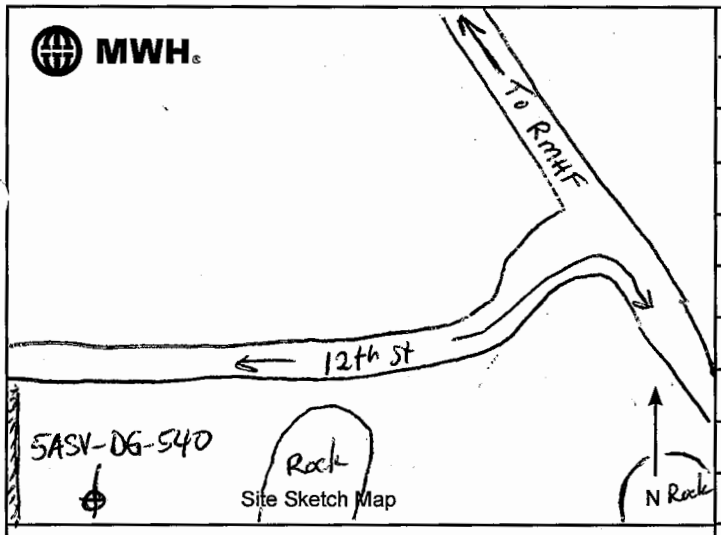
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5ASV-DG-540	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 9.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0905/6-5-14	Drill Finish Time/Date: 0930/6-5-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: 5ASV-DG-540	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: 0945/6-5-14	Surface Completion: Soil Vapor probes.
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 8.5-9.5	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

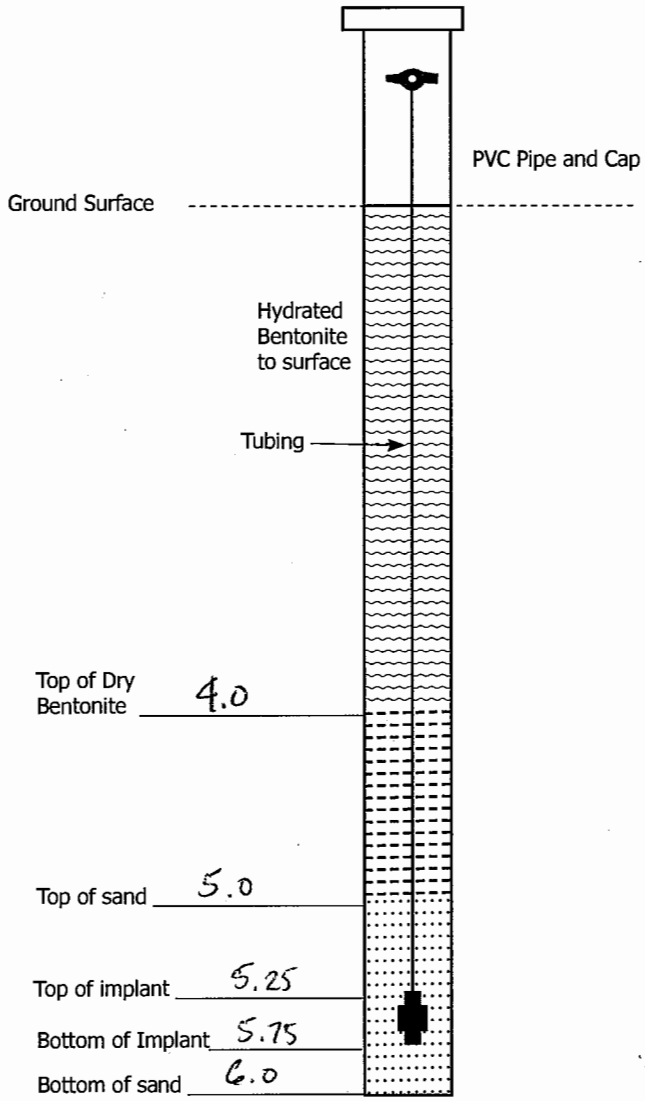
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SP-SM	Poorly Graded Sand with Silt (SP-SM), very pale brown (10YR 7/4), loose, dry, predominantly fine sand, medium sand, non-plastic silt, no odors or stains, fill	-	-	20	70	10/
		48"	NONE			1							
						2							
						3		@2' Color changes to brownish yellow (10YR 6/6), mica grains					
						4							
						5	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no stains or odors, fill	-	-	-	60	40/
		48"	NONE			6							
						7							
						8	ML	Silt (ML), dark yellowish brown (10YR 4/6), stiff, well compacted, dry, poss. native	-	-	-	-	100/
		18"	NONE			9	SM	Silty Sand (SM), brownish yellow (10YR 6/8), slight oxidation, med. dense, dry, fine	-	-	-	70	30/
							Br	Sand and silt, native soil					

@9.5 Sandstone - weathered TD= 9.5', ref. on bedrock; install probe

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SASV-DG-543
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 20
Site: SA 5A
Reviewed by:
Logged by: Van Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 6.0
Probe Completion Date/Time: 1036 / 6-5-2014
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: ~~Cemex~~ Cemex (V.V.)

Dry Bentonite
Type: #8
Manufacturer: Cetco

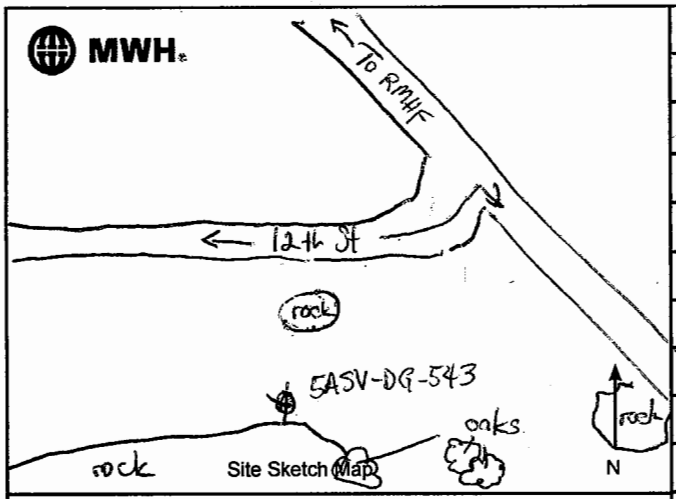
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

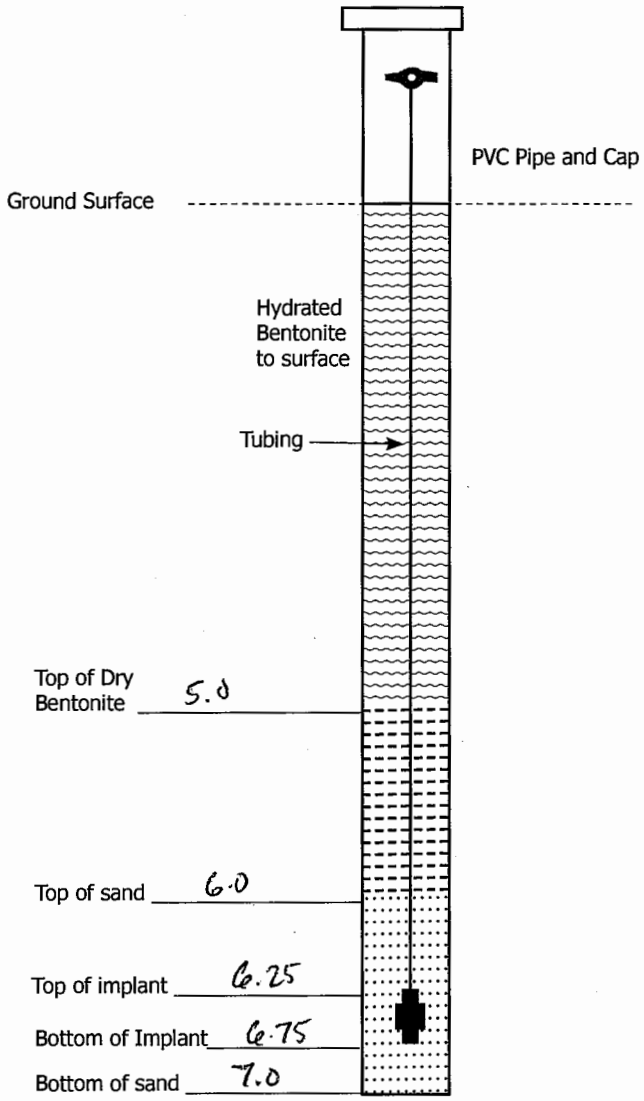
Boring ID: 5ASV-DG-543	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanavin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1000 / 6-5-2014	Drill Finish Time/Date: 1014 / 6-5-2014
Soil Vapor ID: 5ASV-DG-543	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1036 / 6-5-2014	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☑ None
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0	Surface Completion: Install vapor probes
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Graded yellowish (V.) Silty Sand (SM), brown (10YR 5/4), loose, dry, fine sand, silt, non-cemented, few roots to 2" bgs, no odors or stains, fill.	-	-	-	60	40
			NONE			1							
		40"				2		@2. darkens to 10YR 5/6, slightly ~~silttier~~ (V.) more plastic fines, platy structures, fill	-	-	-	60	40
0.0						3							
						4							30
		24"						@4' brownish yellow (10 YR 6/6), native soil, low plasticity clay	-	-	-	60	40/10
			NONE			5							
0.0						6	Br	Sandstone, weathered.					
						7		TD = 6.0, refusal on bedrock. Install vapor probes at 5.0-6.0'					
						8							
						9							

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: 5ASV-DG-546
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 20
Site: 5A
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 7.0
Probe Completion Date/Time: 0814 / 6-5-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

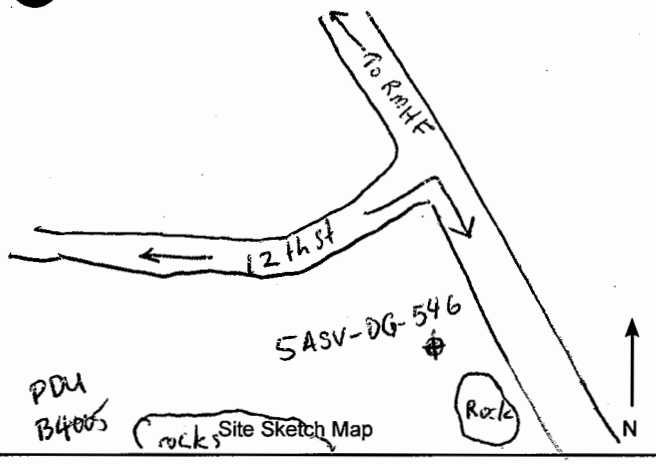
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5ASV-DG-546	Sheet 1	of 1	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs):	7.0	
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0734 / 6-5-14	Drill Finish Time/Date: 0745 / 6-5-14		
Soil Vapor ID: 5ASV-DG-546	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 814 / 6-5-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0	Surface Completion: Soil vapor probe		
Soil Vapor Well Detail Completed (yes)/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, no odors or stains, fill	--	-	-	65	35
		45"	NONE			1							
						2							
						3							
						4		@4' grades with light gray mottling (10YR 7/2), fill, matrix lightens to light yellowish brown (10YR 6/4), fill					
		46"	NONE			5							
						6							
0.0						7	Br	Weathered bedrock, Sandstone. TD=7.0, refusal on bedrock, install probe at 6.0-7.0 ft					
						8							
						9							

Single Soil Vapor Probe Construction Diagram

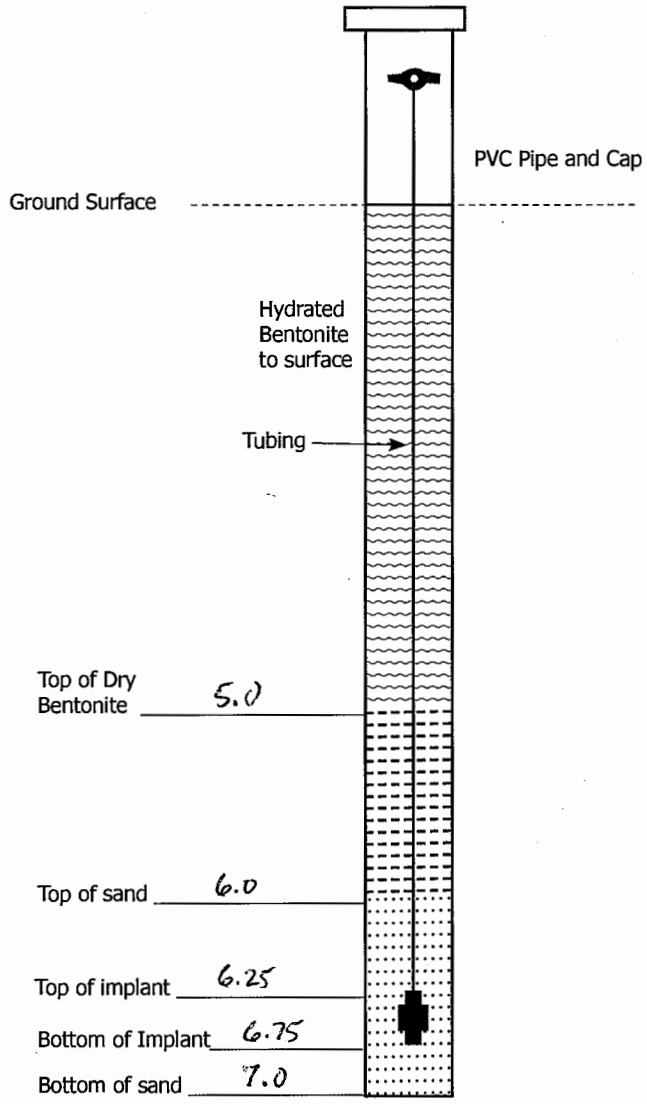
MWH

Probe ID/Soil ID: SASV-DG-547 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA | Reviewed by: | Logged by: V. Vathanasri

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 0857/6-5-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

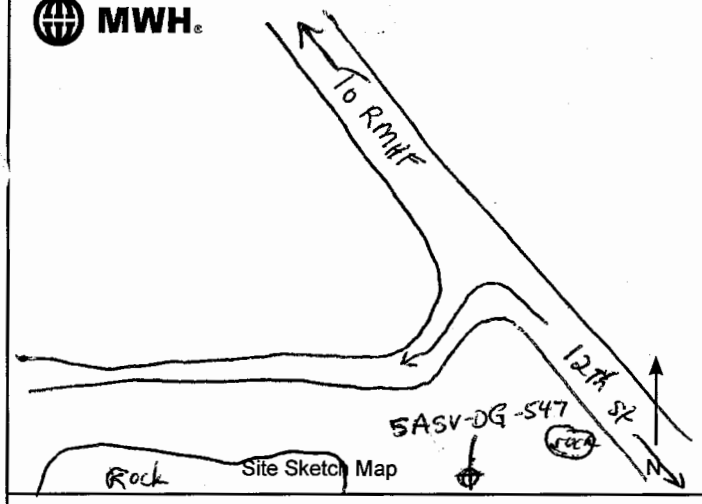
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5ASV-DG-547	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0824 / 6-5-14	Drill Finish Time/Date: 0850 / 6-5-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: 5ASV-DG-547	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Completion Time/Date: 0857 / 6-5-14	Surface Completion: Soil vapor ~~proge~~ probe (V.V.)
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Graded fill area; mustard	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), med. dense, dry, fine sand, silt, non plastic, well compacted but not cemented, no odors or stains, fill	–	–	–	75	25
		48"	NONE			1							
						2		@ 2' grades to loose and color changes to dark yellowish brown (10YR 4/4), friable, fill					
						3							
						4							
		36"	NONE			5		@ 5' Color changes to yellowish brown (10YR 5/4); increasing silt	–	–	–	65	35
0.2						6							
						7	Br	Sandstone, weathered. TD = 7.0, refusal on bedrock. Install vapor probe at 6.0-7.0					
						8							
						9							

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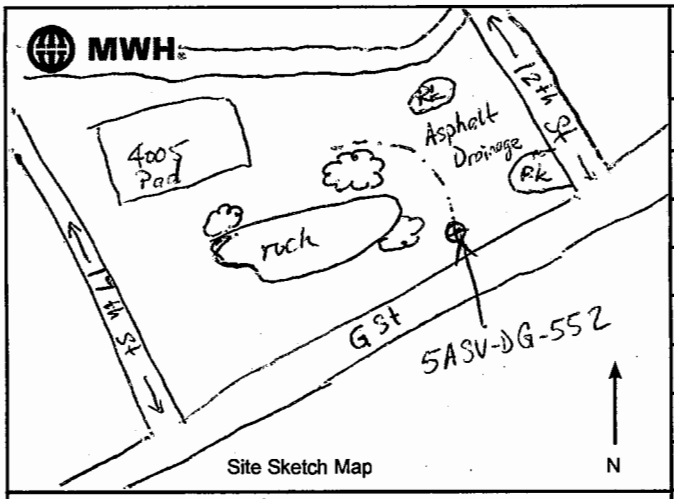


Site Sketch Map

Boring ID: 5ASV-DG-552 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5A

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 8.75

Drill Bit Type: Macrocore

Drill Start Time/Date: 1109 / 6-5-2014 Drill Finish Time/Date: 1130 / 6-5-2014

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1145 / 6-5-14 Backfill Material: Soil Cuttings

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

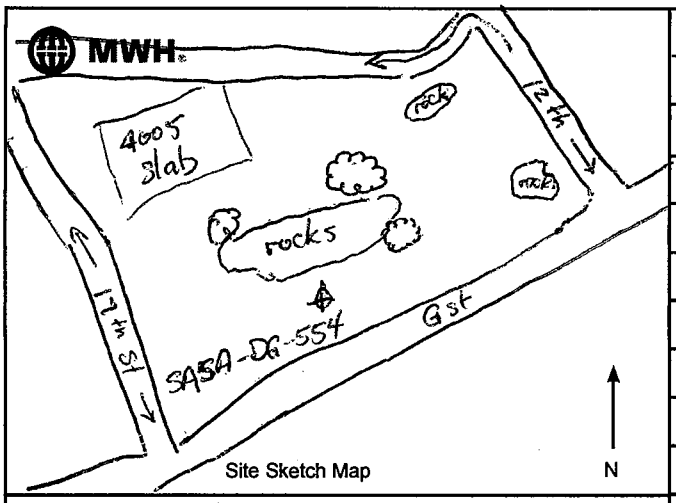
Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, fine sand, silt, non-cohesive, fill, no stains, no odors.	-	-	-	60	40/
		48"	X		11:38	1							
						2							
		SVL-552-SA5A-SB-1.5-2.0					CL	Silty Clay (CL), yellowish brown (10YR 5/6), soft, dry, low to med. plasticity clay, possible weathered bedrock.	-	-	-	-	90/10
						3							
						4							
		24"				5	WB	color changes to brownish yellow (10YR 6/6) (V.C.) weathered shale.	-	-	-	-	10/90
						6							
		24"				7							
						8							
		18"											
						9	Br	TD = 8.75, drilled into weathered bedrock. Collect soil samples above weathered bedrock @ 1.5-2.0.					

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: @ End on drainage, graded



Site Sketch Map

MWH

Boring ID: SASV-DG-554 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 2.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1210 / 6-5-2014 Drill Finish Time/Date: 1225 / 6-5-2014

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1245 / 6-5-14 Backfill Material: Native soil

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

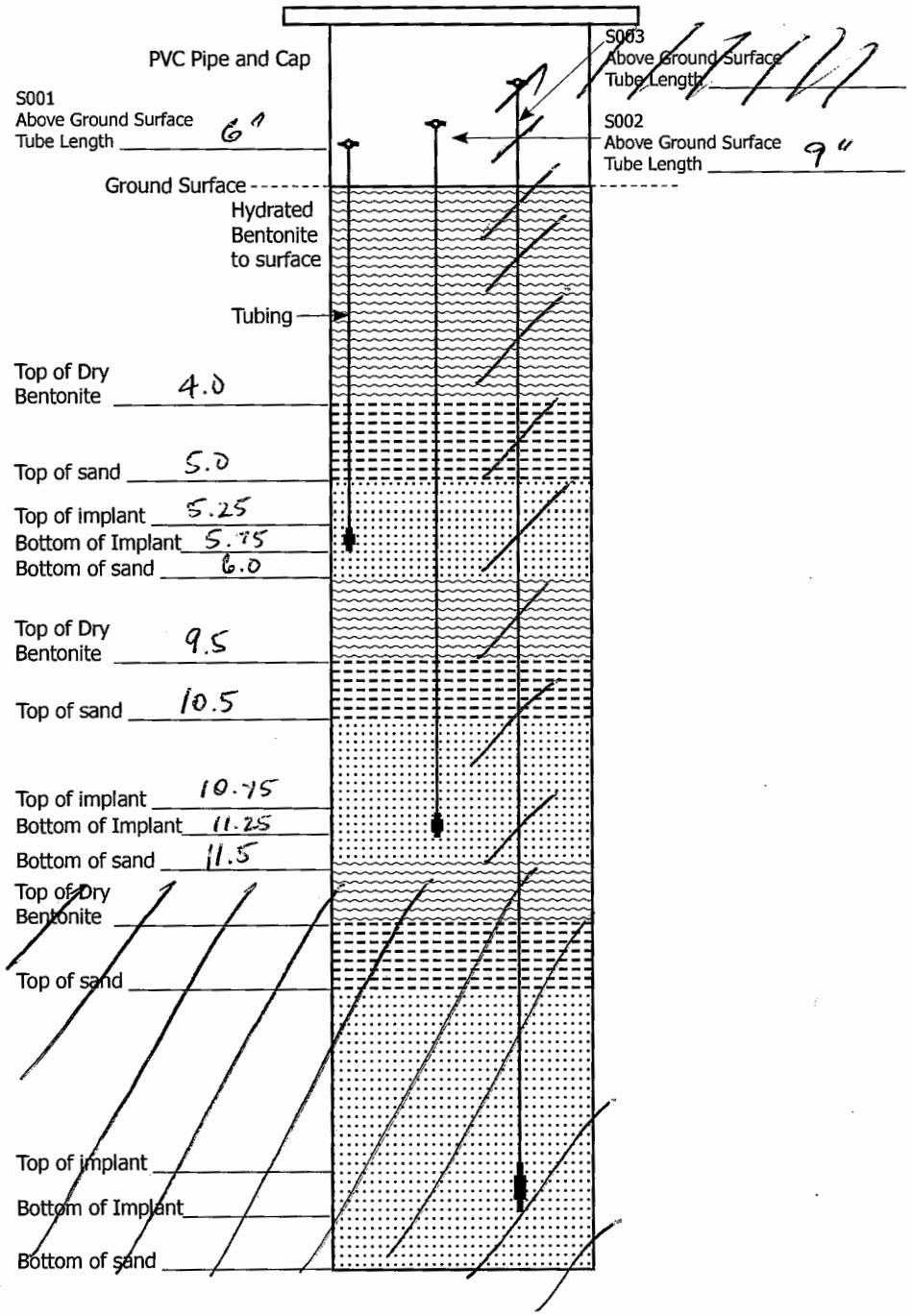
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
	X	24"				0	SM	Surface Description: Mustard and grass. Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, silt, non-plastic, roots, fill	-	-	-	60	40
0.0	X		X		12:46	1		@ 0.5' color changes to brownish yellow (10YR 6/6) fill.					
SVL-554-SASA-SB-1.5-2.0						2	Br	@ 2.0 Weathered Sandstone, fine grained matrix.					
						3							
						4		TD = 2.0. Refusal on bedrock. Drilled 2 add'l borings to confirm shallow refusal w/ similar results. Collect soil sample @ 1.5-2.0 for VOCs analyses. No vapor probes installed.					
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5ASV-DG-560
Site: SA SA
Drilling Contractor: EST
Borehole TD: 11.5

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1515 / 10-4-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

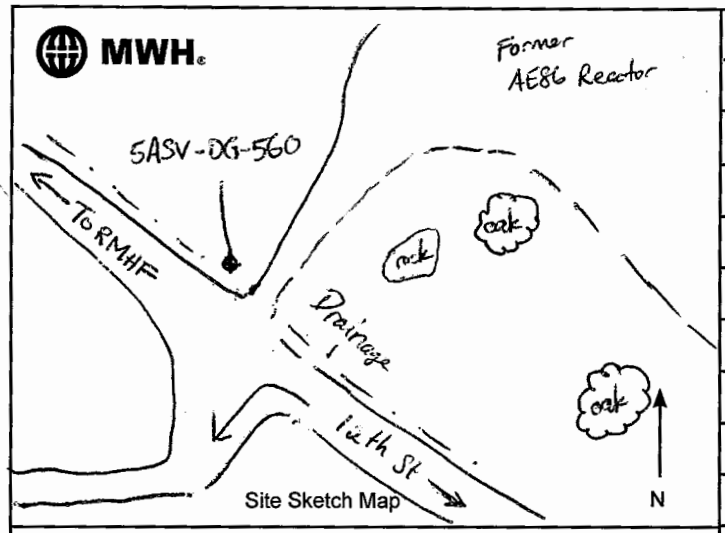
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5ASV-DG-560	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vatharasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 11.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1420 / 6-4-14	Drill Finish Time/Date: 1500 / 6-4-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None	
Surface Completion: Install vapor probes	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID:	5ASV-DG-560
Soil Vapor Well Completion Time/Date:	1515 / 6-4-2014
Soil Vapor Probe Depths (ft.bgs):	5.0 - 6.0, 10.5 - 11.5
Soil Vapor Well Detail Completed (yes/no)	yes

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: In non-paved drainage 11 to 12th St	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, silt, no odors, no stains, fill	-	-	-	60	40/
		45"				1		@1.6 color changes to yellowish brown (10YR 5/6)					
						2							
						3		grades to →	-	-	10	65	25/
0.0						4		w/ platy texture. fill					
						5							
		48"				6							
0.0						7		grades to med. dense.					
						8							
						9	SP-SM	Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4) with yellow (10YR 7/8) mottling. loose, dry	-	-	-	90	10/

con't next page

Boring ID: SASV-DG-560 Project: Phase 3 DOE SVDG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
	X						SP-SM	fine sand, non-plastic silt, moderate dilatency, non-cohesive, native soil					
0.0						1							
						2	Br	Sandstone, weathered					
						3							
						4		TD = 11.5. Refusal on bedrock, Install probes at 5.0-6.0, and 10.5-11.5					
						5							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

MWH

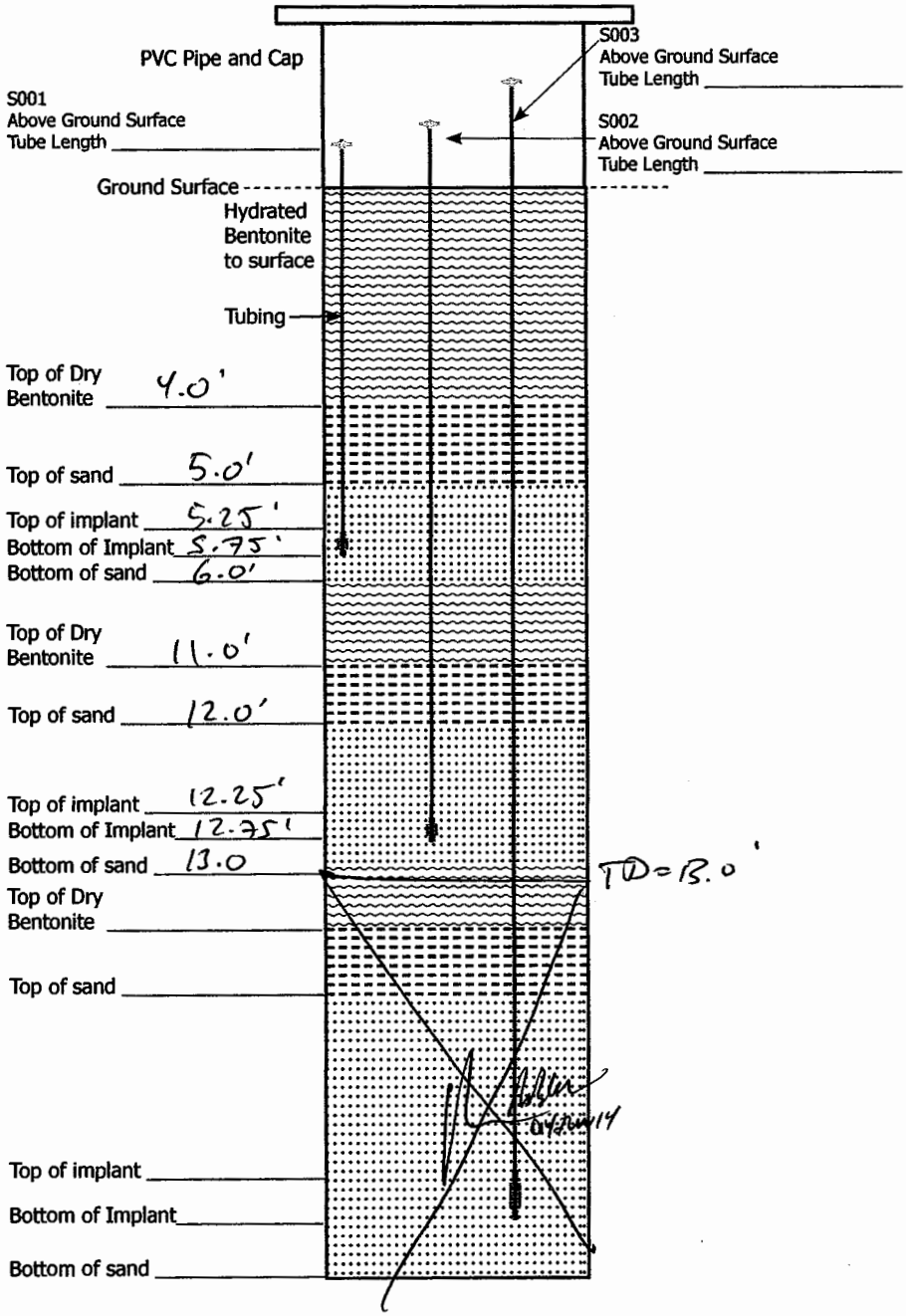
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-565
Site: SA
Drilling Contractor: EST
Borehole TD: 13.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RWB ELLIS
Driller: MARTY KILHULLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 04JUN14

5.0-6.0 @ 14:50
12.0-13.0 @ 14:48



Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3 sand
Manufacturer: Cemex

Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

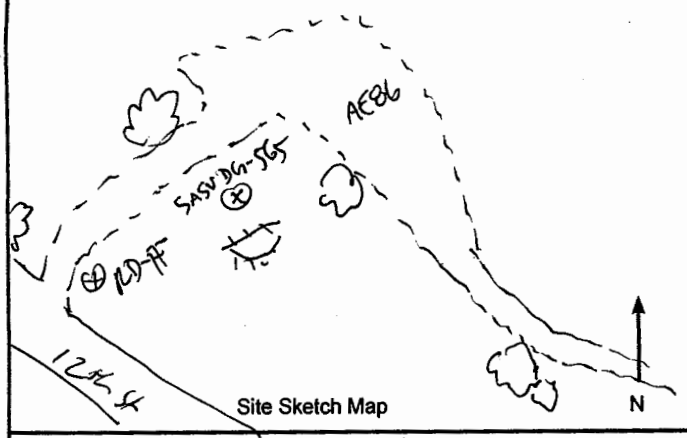
Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SASV DG-565	Sheet 1 of 2
Project: Phase 3 DOE SVDG 2014	
Job #: 105039B2.3060106	Site: SA
Logged By: Rob Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MATT KLEVEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 13.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 14:00 04 JUN 14	Drill Finish Time/Date: 14:35 04 JUN 14
Soil Vapor ID: SASV DG-565	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 04 JUN 14 14:50, 14:48 (shallow, deep)	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.0'-6.0', 12.0'-13.0'	Surface Completion: SV. Probe
Soil Vapor Well Detail Completed (yes/no) Abandoned	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

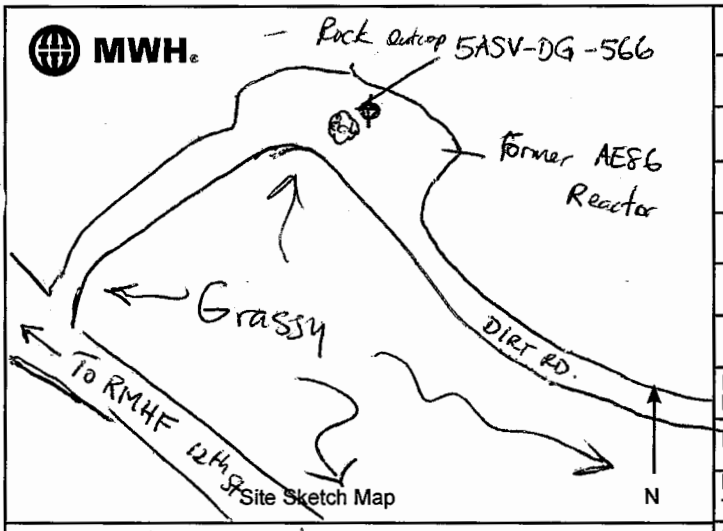
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0 ppm		48"				0		0.0-5.0					
						1		Silty sand (SM), brown (10YR 4/3) very loose to loose, dry. Mostly fine sand (55), some silt (30), little medium sand (15), trace coarse sand.	–	TR	15	55	30
						2	SM						
						3		Sand lense (1") @ ~1.0' bgs. No stain, no odor. Fill material 5.0-9.0'					
						4							
0.0 ppm		36"	48"			4		~~SM~~ poorly graded sand w/ silt (SP-SM). yellowish brown (10YR 5/6) loose, dry. Mostly fine sand (70), little silt (20), ~~trace~~ few med sand (10). mottled throughout; oxide stain, yellowish brown (10YR 5/8). No stain no odor. Fill. 9.0-13.0	–	–	10	70	20
						5							
						6							
						7	SP-SM						
0.0 ppm		48"				8		Same as above, gradational lightening to (10YR 7/4) very pale brown. No stain, no odor. Most likely native	–	–	–	80	20
						9	SP-SM						

Boring ID: SASV DH-565 Project: Phase 3 DOE SVDH 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SP SM	TD = 13.0' bgs refusal on sandstone bedrock					
						11							
0.0 ppm		12"				12		: 2 probes set					
						13							
						4							
						5							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH



Site Sketch Map

Boring ID: SASV-DG-566	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1245 / 6-4-14	Drill Finish Time/Date: 1300 / 6-4-14
Soil Boring Backfill Time/Date: 1325 / 6-4-14	Backfill Material: Soil cuttings
Soil Vapor ID: N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: N/A	Surface Completion: None
Soil Vapor Probe Depths (ft.bgs): N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Removed	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), yellowish brown (10YR5/4), loose, dry, fine sand, med. sand, non-plastic silt, fill, no stains or odors.	–	–	20	45	35
		42"				1	SW-GW	Well Graded Sand with Gravel (SW-GW), mottled brown (10YR 4/3) and gray (10YR 6/1), loose, dry, fine to coarse sand, angular fine rock fragment gravel,	20	10	30	40	TR
						2							
0.0			X		13:15	3	SP		–	–	–	100	–
SVL-566-SASA-SB-3.0-3.5						4	Bk	fill, dark brown (10YR 3/3) stains. Poorly Graded Sand (SP), brownish yellow (10YR 6/8), loose, dry, fine sand, very dark grayish brown (10YR 3/2) streaks, native soil, no odors.					
						5							
						6							
						7		TD = 3.5, refusal on bedrock, no probes installed. Collect one (1) at 3.0-3.5.					
						8							
						9							

MWH

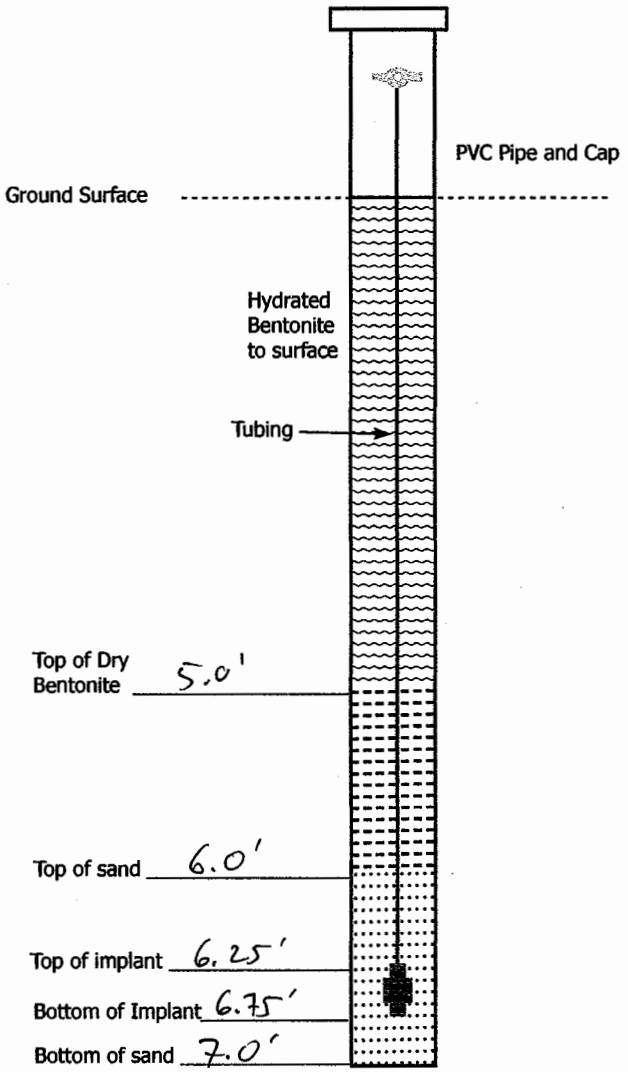
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASVP6-568 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA Reviewed by: _____ Logged by: [illegible] ELLIS

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: [illegible] KILPATRICK

Borehole TD: 7.0' bgs Probe Completion Date/Time: 04 JUN 14, 13:15 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

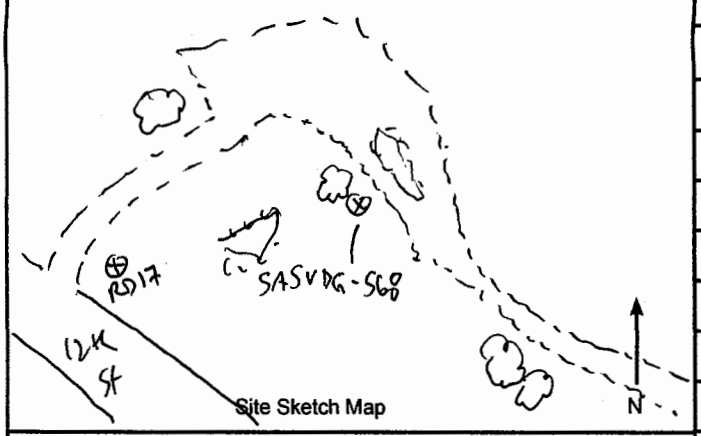
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASVDG-568 Sheet 1 of

Project: Phase 3 DOE SVDG 2014

Job #: 105038972.3060106 Site: SA

Logged By: ROB ELLIS Reviewed By:

Drilling Contractor: EST Drillers Name: MARK MCHULLEN

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 04JUN14 12:44 Drill Finish Time/Date: 04JUN14 13:01

Soil Vapor ID: SASV DG-568

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 04JUN14 ; 13:15

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.0'-7.0'

Surface Completion: SV. probe

Soil Vapor Well Detail Completed (yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Hardwood/mulch, Plast	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		48"				0	fill	0.0 - 1.7					
						1	SM	Silty sand (SM). Brown (10YR4/3)	-	-	15	55	30
								very loose, dry. Mostly fine sand (55)					
						2		some silt (30) little med sand (15).					
								No stain, no odor, fill.					
							SM	1.7 - 4.4					
						3		Silty sand (SM) lrg Lt yellow -	TR	10	55	35	
								brown (10YR6/4), loose,					
0.0 ppm		36"				4		dry. Mostly fine sand (55),					
								some silt (35), few coarse (10).					
						5	SP	No stain, no odor, fill.					
								4.4 - 6.5					
						6		Poorly graded sand (SP). Yellow -		15	75	10	
								brown (10YR5/4). Mostly fine sand					
						TD		(75) little medium sand (15), few					
set probe on 3rd step-out (W) of location.								silt (10), * upper section 4.4-5.0					
						8		has 25% coarse sand/small gravel.					
TD = 7.0' @ refusal on sandstone bedrock								6.5 - 7.0					10
						9		Poorly graded sand (SP). Yellowish -	-	15	75	10	
								brown (10YR5/6) / very dark brown	(#)	-	40	60	
						4		(10YR2/2). Sample is split					
								core. No stain, no odor fill					

(#) (#)

QA/QC

Surficial media boring log rev 2-25-2014

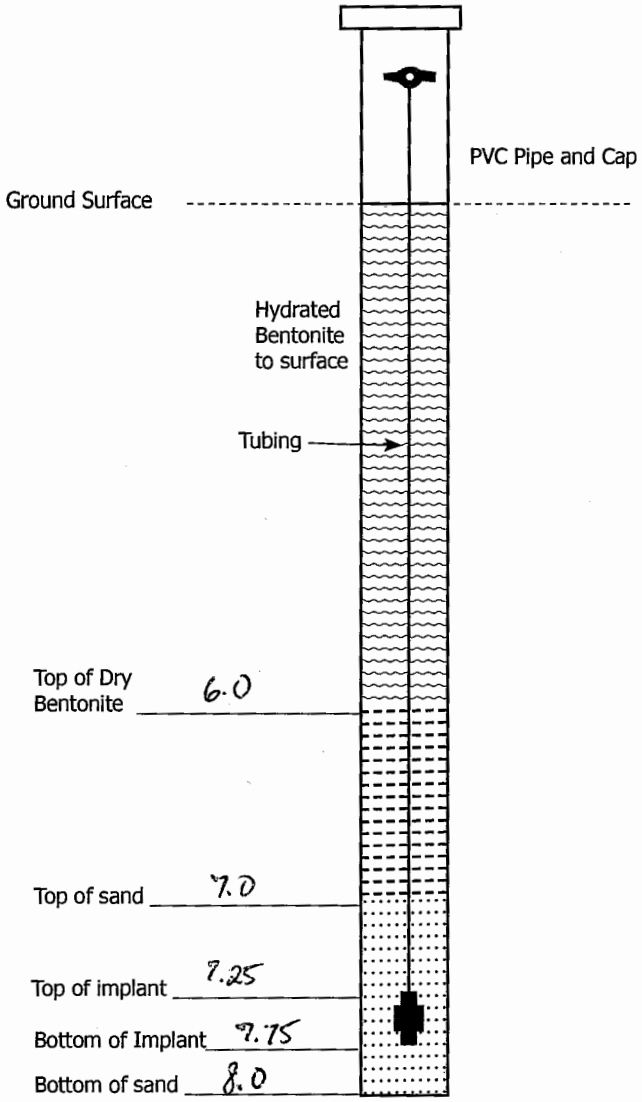
Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SASV-DG-570
Site: SA 5A
Drilling Contractor: EST
Borehole TD: ~~2.25~~ (V.V.) 8.0

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: ~~1430~~ (V.V.) 1410 / 6-4-14

Project: Phase 3 DOE Data Gap Sampling 20
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

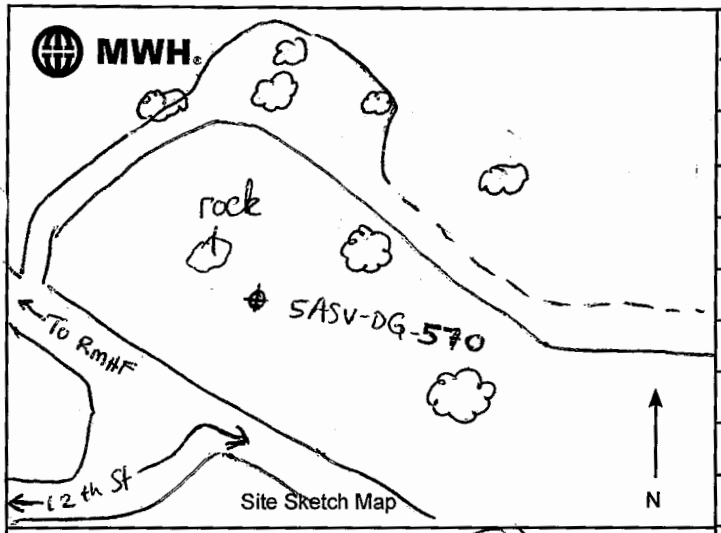
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH

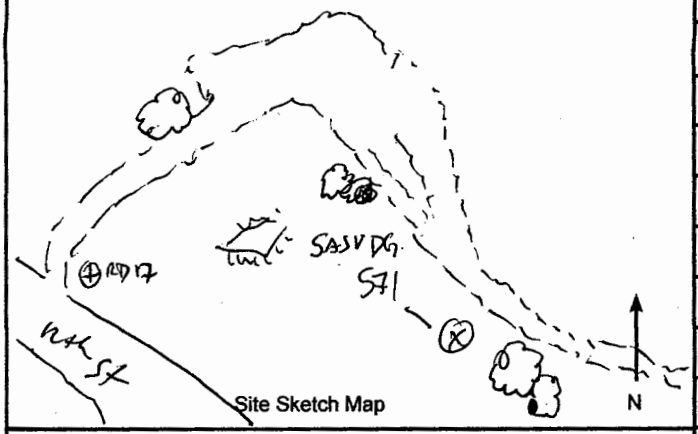


Site Sketch Map

Boring ID: SASV-DG-570	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1345/6-4-14	Drill Finish Time/Date: 1405/6-4-14
Soil Vapor ID: SA SV-DG-570 (V.V.)	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: ~~1430~~ 1410 / 6-4-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munseli Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: * Backfill Slope					
								* Moved location 3' NE. Geoprobe could not be set up on "hummock"	--	—	—	55	45
						1		Silty Sand (SM), dark yellowish brown (10YR 3/4), loose, dry, fine sand, non plastic silt, roots upper 6", no odors, fill					
		36"	NONE			2							
						3		@1.5, color lightens to dark (10YR 4/4) yellowish brown					
						4							
		24"	NONE			5							
						6		@6' becomes very slightly cemented, fill					
		24"	NONE			7							
						8	SP	Poorly Graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand, friable, no odors or stains, native soil. @8.0 Sandstone, weathered	--	—	—	100	—
						9	BR						

MWH.



Site Sketch Map

Boring ID: SASV DG-571	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503892.3060106	Site: SA
Logged By: RB Ewis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 3.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 11:14 04 JUN 2014	Drill Finish Time/Date: 11:20 04 JUN 2014
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 12:35 04 JUN 2014
Soil Vapor Well Completion Time/Date: N/A	Backfill Material: soil cuttings, hydrated bent.
Soil Vapor Probe Depths (ft.bgs): N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no): N/A	Surface Completion: Backfilled hole / bent
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: mulch / mustard, flat

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		36"				0		0 - 2.2					
						1	SM	Silty sand (sm), Brown (10YR 4/3)	-	-	5	60	35
								very loose for first foot, then					
						2		loose, dry. mostly fine sand					
			X				SM	(60), some silt (35), few medium					
						3		sand (5). No stain, no odor					
	SVL-571-SASA-SB-2.5-3.0 @ 11:26							Fill material, some fine					
						4		roots in first 18".					
0.0 ppm	13 µRem, 42 cpm							2.2 - 3.0					
						5		Silty sand (sm), light yellow	-	-	10	60	30
								brown (10YR 6/4). loose, dry					
						6		mostly fine sand (60), some					
								silt (30), few medium sand (10).					
						7		No stain, no odor, Native.					
						8		. TD = 3.0' bgs w/ refusal					
								on sandstone bedrock.					
						9		• Backfilled w/ soil cuttings					
								@ 12:35					

QA/QC
Surficial media boring log rev 2-25-2014

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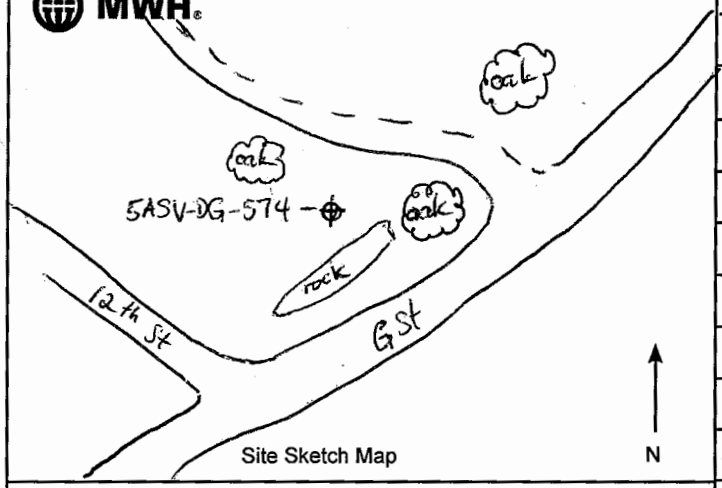


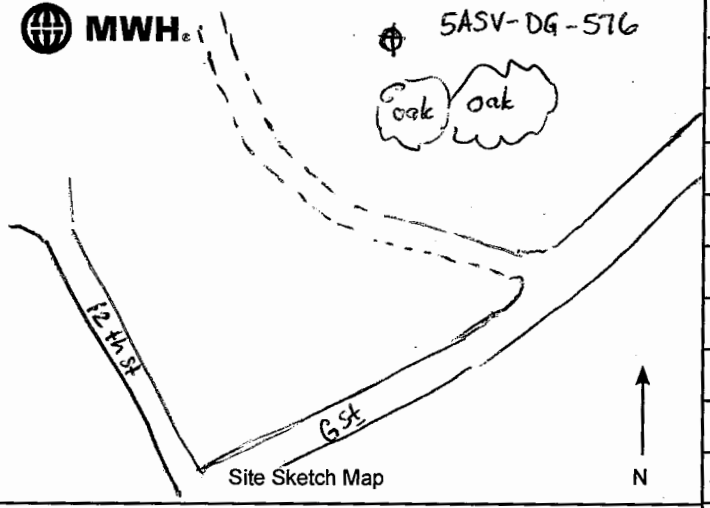
Site Sketch Map

Boring ID: 5ASV-DG-574	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 2.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1055/6-4-14	Drill Finish Time/Date: 1105/6-4-14
Soil Boring Backfill Time/Date: 1118/6-4-14	Backfill Material: Soil cuttings.
Soil Vapor ID: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Completion Time/Date: N/A	Surface Completion: None
Soil Vapor Probe Depths (ft.bgs): N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Filled in between rock outcrops	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	SM	Silty Sand (sm), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, roots, no odors and no stains, fill.	–	–	–	75	25
0.0	X	18"	X		1110	1							
SVL-574-SA5A-SB-1.5-2.0						2	Br	Sandstone, weathered.					
						3							
						4		TD = 2.0 ft, refusal on bedrock, no probes installed; collect soil samples for VOC analyses at 1.5-2.0					
						5							
						6							
						7							
						8							
						9							

Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

MWH



Site Sketch Map

Boring ID: SASV-DG-576	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA
Logged By: V. Vathanaxin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1005 / 6-4-2014	Drill Finish Time/Date: 1020 / 6-4-2014
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1035/6-4-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X	36"				0	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, no odors or stains, fill.	-	-	-	70	30/
						1							
						2							
0.0			X		10:15	3							
SVL-576-SA5A-SB-2.5-3.0							Br	Sandstone, weathered.					
						4		TD = 3.0 ft, refusal on bedrock; collect					
						5		Encores at 2.5-3.0. No vapor probes installed.					
						6		Drilled 2 extra borings to confirm					
						7		shallow refusal w/ similar results					
						8							
						9							

MWH

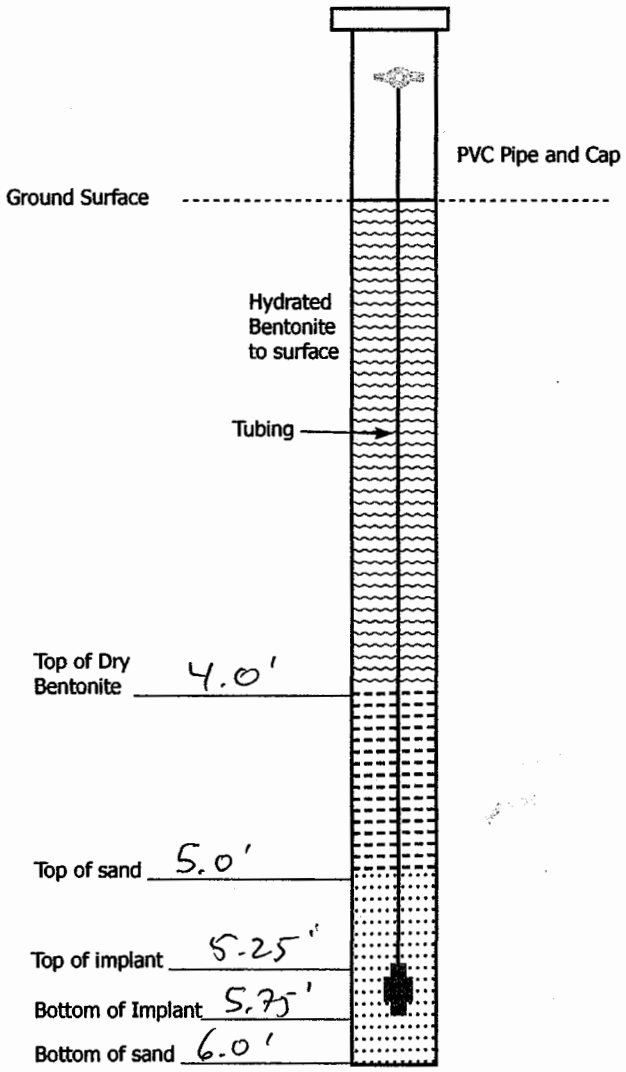
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-582 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA Reviewed by: _____ Logged by: RGR SCCS

Drilling Contractor: EST Rig Type/Method: Geoprobe 7400 Driller: MARTY KILMARTIN

Borehole TD: 6.0' bgs Probe Completion Date/Time: 04JUN14, 1030 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

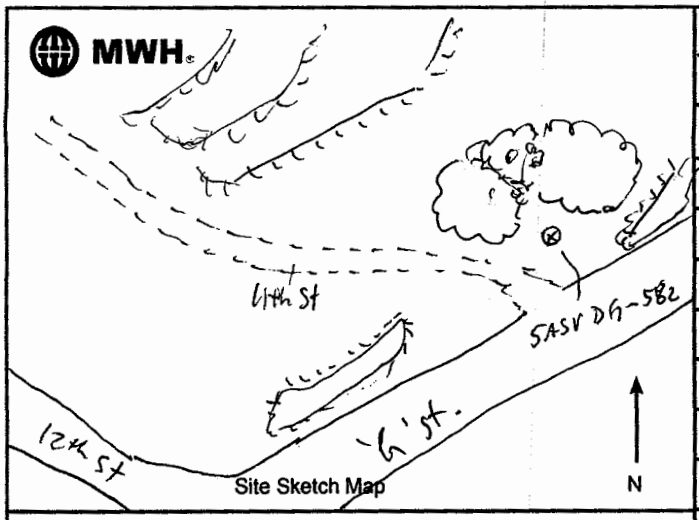
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASV DG-582	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3060106	Site: SA
Logged By: Rob Sells	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Kilhullen
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 6.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 10:13 04 JUN 14	Drill Finish Time/Date: 10:16 04 JUN 14
Soil Vapor ID: SASV DG-582	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 04 JUN 14, 10:30	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0'	Surface Completion: SV Probe
Soil Vapor Well Detail Completed (yes/no) attached	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description:

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		48"				0		0 - 4.5					
						1	Sm	Silty sand (sm), brown (10YR 4/3) very loose and dry from 0-1.5' with color change 1.5 - 4.5 dark yellowish brown (10YR 4/4) and loose, still dry. Mostly fine sand (60), some silt (35), few medium sand (5). No stain, no odor. Fill material. Roots 4.5 - 6.0	-	-	5	60	35
						2							
						3							
						4							
0.0 ppm		24"											
						5	Sm	Silty sand (sm), dark yellowish brown (10YR 4/4). Loose, dry. Mostly fine sand (60), some silt (30), few medium sand (10). No stain, no odor. Fill material. Roots throughout; minor oxidation mottles.			10	60	30
					TD =	6							
						7							
						8							
						9		TD = 6.0' on sandstone bedrock. Hard; little left in shoe.					

• Confirm bedrock refusal 3' (SW)

QA/QC
Surficial media boring log rev 2-25-2014

MWH

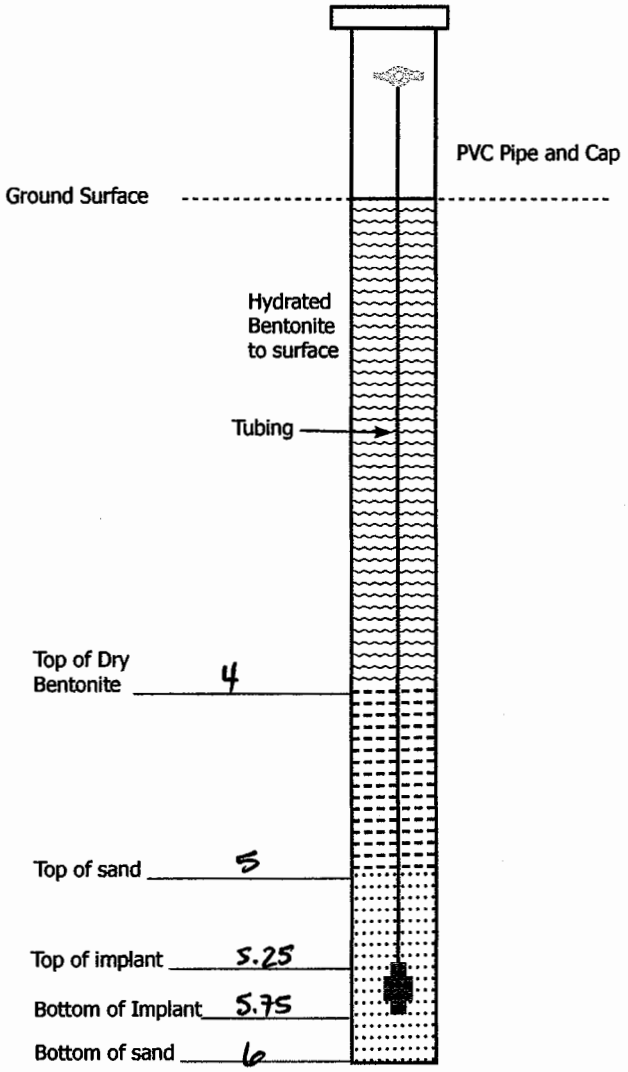
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV - DG - 592
Job #: 10503982.3050106/10503982.3060106
Project: Phase 3 DOE Data Gap Sampling 2014

Site: 5A
Reviewed by:
Logged by: Andrew Payne

Drilling Contractor: EST
Rig Type/Method: GEOPROBE 5400/DP
Driller: MARTIN ~~[illegible]~~ KILHULLEN

Borehole TD: 6'
Probe Completion Date/Time: 6/6/14 1145
Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs

Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite

Type: #8
Manufacturer: CETCO

Hydrated Bentonite

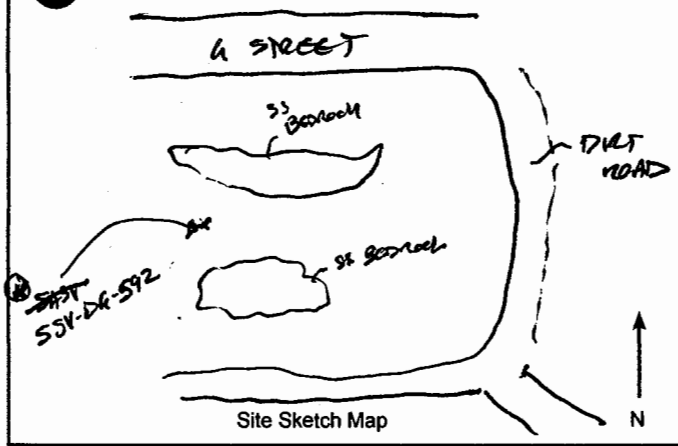
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-592 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: SA

Logged By: ANDREW BRYANT Reviewed By:

Drilling Contractor: Drillers Name: MARTIN KILLINGER

Drill Rig Type/Method: GEOPROBE 5400 / DP

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25 Total Depth (ft.bgs):

Drill Bit Type: MACROCORE

Drill Start Time/Date: 6/6/14 1130 Drill Finish Time/Date: 6/6/14 1140

Soil Vapor ID: SSV-DG-592

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 6/4/14 1145

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5-6

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: WEATHERED SS.

☑ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: GRASSES, CAN SCARS & TREES NEAR LOC.; BEDROCK @ 4'. SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3)	—	—	10	65	25
						1		FINE TO MEDIUM SAND, MEDIUM DENSE FROM 1'-4' BGS; BECOMES OF YELLOWISH BROWN					
0.0		40"	—	N/A	—	2		(10YR 4/6) BETWEEN 2-4' BGS; ROOTS @ 1';	—	—	15	65	20
				NONE				FILL MATERIAL					
						3							
						4	SP-SM	SAND W/ SILT (SP-SM), DRY, LIGHT YELLOWISH (10YR 6/4), LOOSE, POOR. FINE SAND W/ MEDIUM SAND, ~15% FINES, NATIVE/ALLUVIUM			25	60	15
						5	SP	SAND (SP), DRY, LIGHTY YELLOWISH BROWN (10YR 6/4), LOOSE, FINE TO MEDIUM SAND, TRACE			15	80	5
0.0		36"	—	N/A	—	6		PIECES OF WEATHERED SS; NATIVE ALLUVIUM					
				NONE									
						7		TD = 6'; REFUSAL ON WEATHERED SS BEDROCK; SV PROBE @ 5-6'					
						8							
						9							

MWH

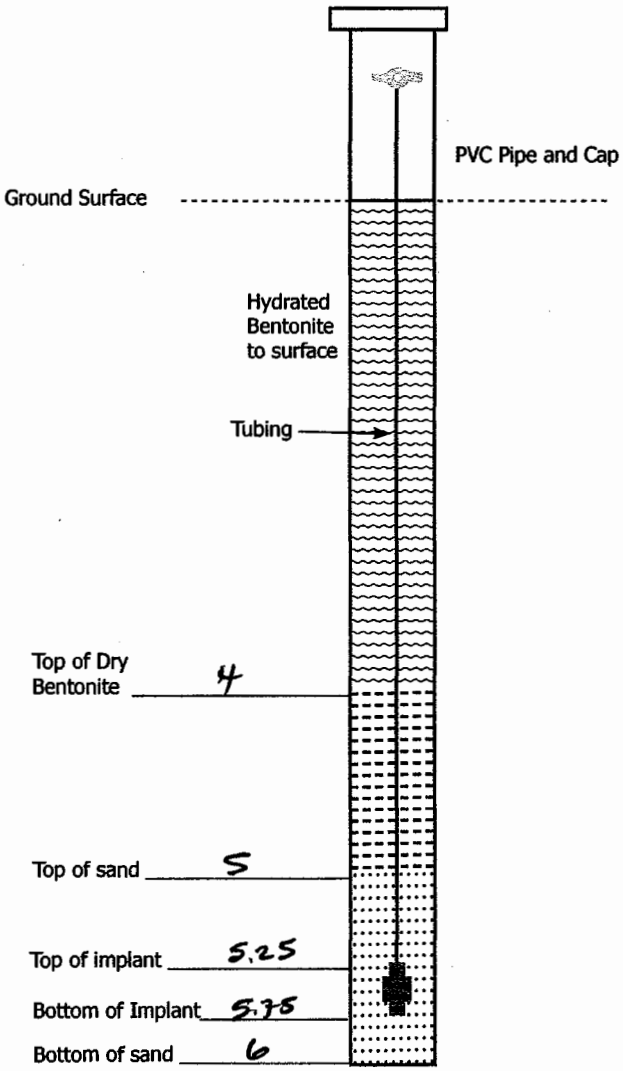
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV - DG - 515 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA Reviewed by: _____ Logged by: ANDREW RHYNE

Drilling Contractor: EST Rig Type/Method: HANDAUGER Driller: MARTIN KILLMEN

Borehole TD: 6' Probe Completion Date/Time: 6/6/14 1315 Borehole Diameter: 3.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

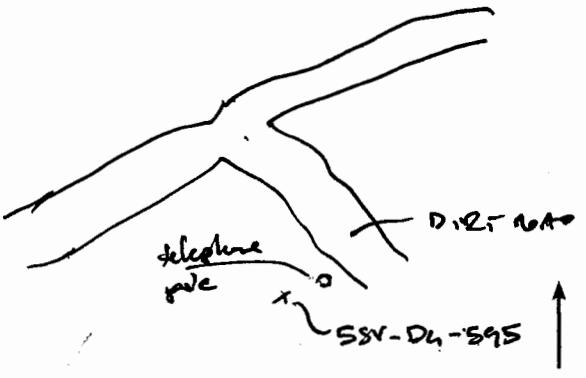
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-595 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: 5A

Logged By: AARON PAYNE Reviewed By:

Drilling Contractor: EST Drillers Name: MARTIN KILHAMEN

Drill Rig Type/Method: HAND AUGER

Sampler Type: HAND AUGER

Borehole Diam (inch): 3.25" Total Depth (ft.bgs): 6'

Drill Bit Type: HAND AUGER

Drill Start Time/Date: 6/6/14 1255 Drill Finish Time/Date: 6/6/14 1310

Soil Vapor ID: SSV-DG-595

Soil Boring Backfill Time/Date: Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 6/6/14 1315

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5-6

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: WEATHERED SS BR.
☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3) TO YELLOWISH BROWN (10YR 5/4), FINE TO MEDIUM SAND, TRACE LF SAND, SUBANG TO SUBROUNDED, TRACE GRAVEL W. 1/2" DIA. (SHALE); FILL MATERIAL	TRACE	5	15	55	25
0.0						1							
						2							
						3							
						4		TD = 6' REFUSAL ON SS BEDROCK/WEATHERED SV PROBE INSTALLED 5-6'					
0.0						5		0.0 PPM ON PID					
						6							
						7							
						8							
						9							

MWH

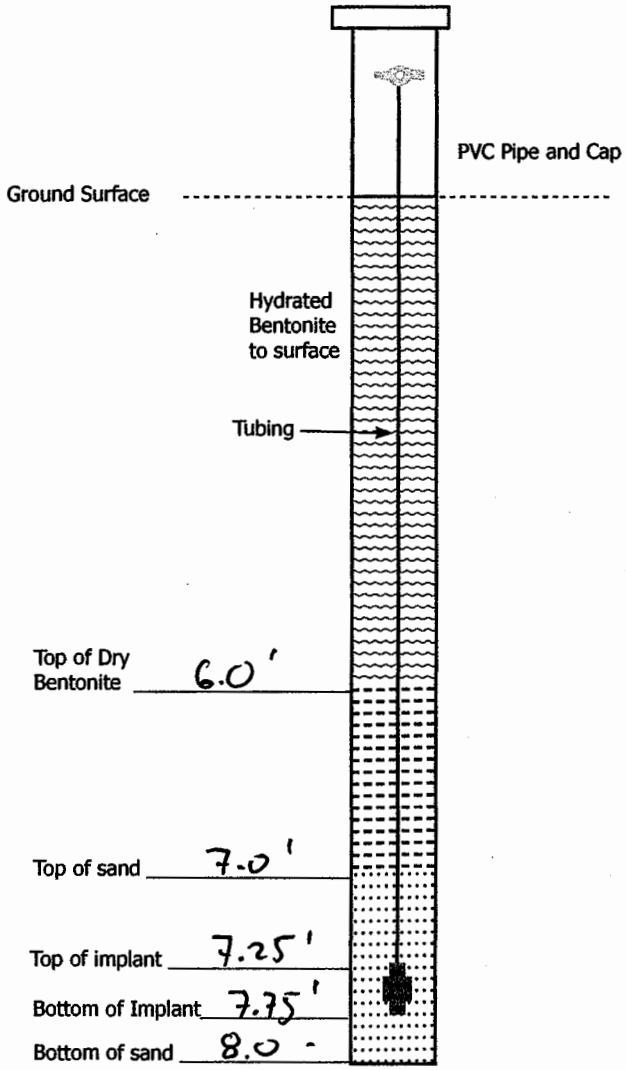
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-609 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SASV Reviewed by: _____ Logged by: Nussens

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: Morgan Hughes

Borehole TD: 8.0' bgs Probe Completion Date/Time: 09-JUN-14, 08:50 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #2 Sand

Manufacturer: Comox

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

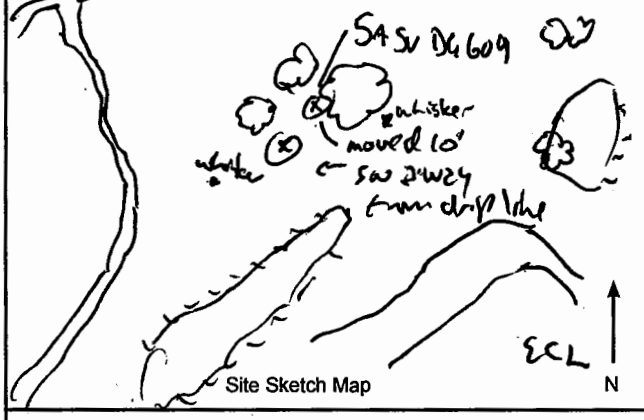
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASV DG-609 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: MMSELLS Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 8.0'

Drill Bit Type: Macrocore

Drill Start Time/Date: 08:20 09 JUN 14 Drill Finish Time/Date: 08:34 09 JUN 14

Soil Vapor ID: SASV_DG-609

Soil Boring Backfill Time/Date: NA Backfill Material: NA

Soil Vapor Well Completion Time/Date: 09 JUN 14; 08:50

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'

Surface Completion: SV Probe

Soil Vapor Well Detail Completed (Yes/No) Hached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0 ppm		46"				0	SM	0.0 - 1.5' Silty sand (sm), brown (10YR 4/3), loose, dry. Mostly fine sand (55), some silt (35), few med sand (~10). No stain, no odor. Fill material - Fine roots throughout. up to occasional root ~1cm.			10	55	35
						1							
						2							
						3	SP	1.5 - 4.1					
						4							
0.0 ppm		48"				4		Poorly sorted sand (SP). Dark yellow brown (10YR 4/4). loose, dry. Mostly fine sand (80%), few silt, med sand (10% each), trace coarse sand. No stain, no odor. Fill material	-	TR	10	80	10
						5							
						6							
						7		4.1 - 8.0					
						8		Silty Sand (SM) yellow brown (10YR 5/4). loose, dry. Mostly fine sand (60), some silt (30), med sand (10). No stain, no odor. Native, Color change to light yellow brown (10YR 6/4).	-	-	10	60	30
TD = 8.0' bgs w/ refusal on sandstone bedrock						9							

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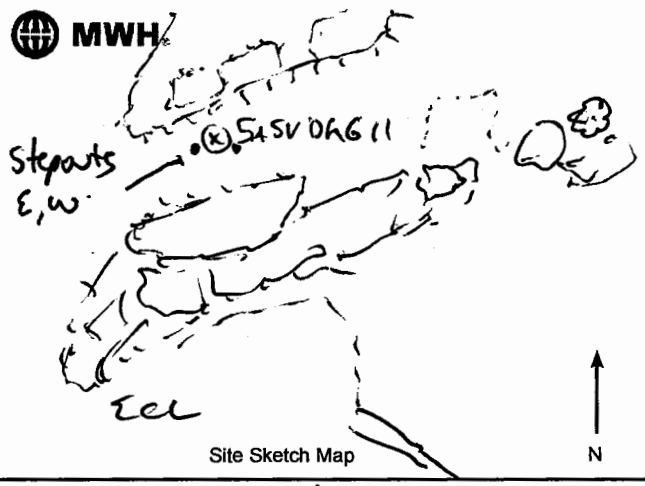
MWH



Site Sketch Map

Boring ID: 5ASV DG-611	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: Rob Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs):
Drill Bit Type: Macrocore	
Drill Start Time/Date: 09 JUN 14 10:36	Drill Finish Time/Date: 09 JUN 14 10:38
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 09 JUN 14 11:02
Soil Vapor Well Completion Time/Date: N/A	Backfill Material:
Soil Vapor Probe Depths (ft.bgs): N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no): N/A	Surface Completion: None
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description foxtail, coyote bush, oat.

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Flat, on road side

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		22"				0	SM	0.0-0.5 Silty sand (SM) Brown (10YR 4/3)	-	-	10	60	30
						1	SP-SM	Loose, dry. Mostly fine sand (60), fine silt (30), and few medium					
					TD = 1.85'	2		sand (10). No stain, no odor					
Sample 1.35-1.85' SVL-611-5A5A-5B-1.35-1.85						3		Fill material-					
@ 10:39 0.0 ppm, 13 µR, 44 cpm						4		0.5-1.85' Poorly graded sand w/ silt (SP-SM). Yellowish brown (10YR 5/6).	-	TR	10	70	20
TD = 1.85' bgs w/ refusal on sandstone bedrock						5		Loose, dry. Mostly fine sand (70), little silt (20),					
						6		few medium sand (10), trace coarse sand. No stain, no odor - Native.					
						7							
						8		• TD = 1.85' bgs • Backfilled w/ soil cuttings 09 JUN 14, ~~10:02~~ 11:02					
						9		Stepped out to east and west to confirm shallow refusal					

QA/QC
Surficial media boring log rev 2-25-2014

Single Soil Vapor Probe Construction Diagram

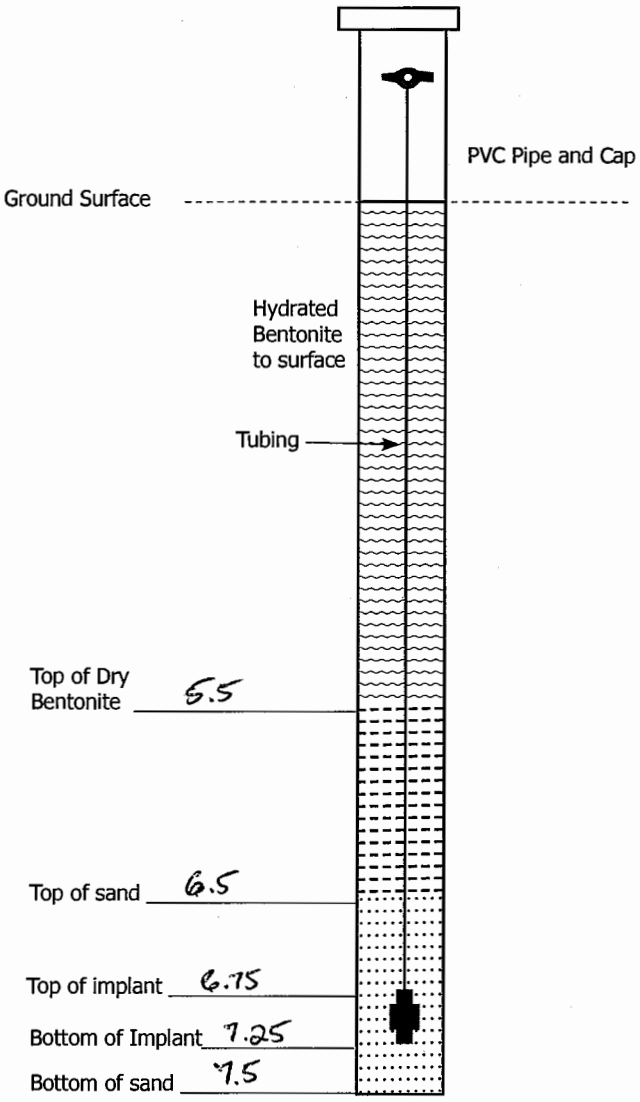
MWH

Probe ID/Soil ID: SASV-DG-616 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SASA | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 7.5 | Probe Completion Date/Time: 1255/6-6-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

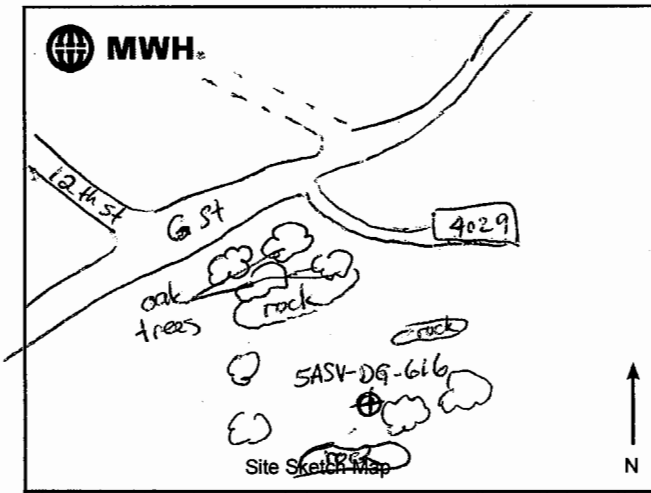
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Boring ID: 5ASV-DG-616 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: V. Vatharasri Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1229 / 6-6-14 Drill Finish Time/Date: 1236 / 6-6-14

Soil Vapor ID: 5ASV-DG-616

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A (I.V.)

Soil Vapor Well Completion Time/Date: 1255 / 6-6-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.5 - 7.5

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

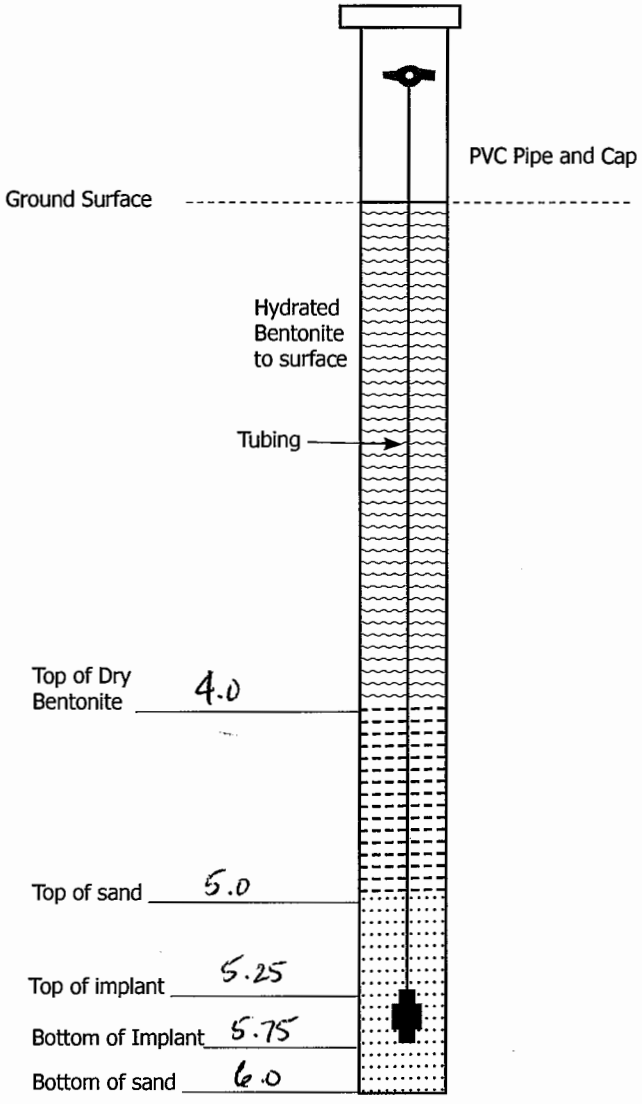
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (sm), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, slightly compacted, fill	-	-	-	65	35
		45"	NONE			1							
						2							
						3		@2.5 grades to med. stiff.	-	-	15	55	30
						4							
		42"				5	SP-SM	Poorly Graded Sand w/ Silt (SP-SM) yellowish brown (10YR 5/6), loose, dry, fine sand, silt, native soil	-	-	-	70	30
						6		@6' color changes to brownish yellow, minor reddish yellow (7.5YR 7/6) (I.V.) iron stains					
						7							
						8	Br	Sandstone, weathered.					
						9							

QA/QC

Surficial media boring log rev 2-25-2014

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-618
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SASA
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 7.0
Probe Completion Date/Time: 1031 / 6-6-14
Borehole Diameter: 2.25



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

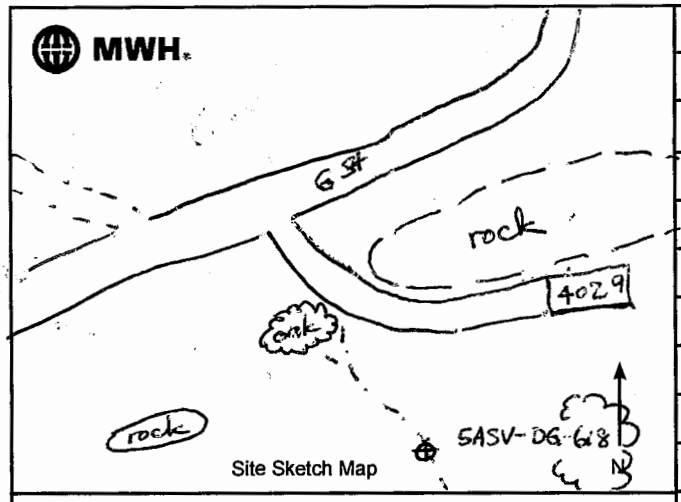
* Drilled into weathered bedrock. Backfill w/ hydrated bentonite chips to 6.0 ft (i.e, 6.0-7.0)

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

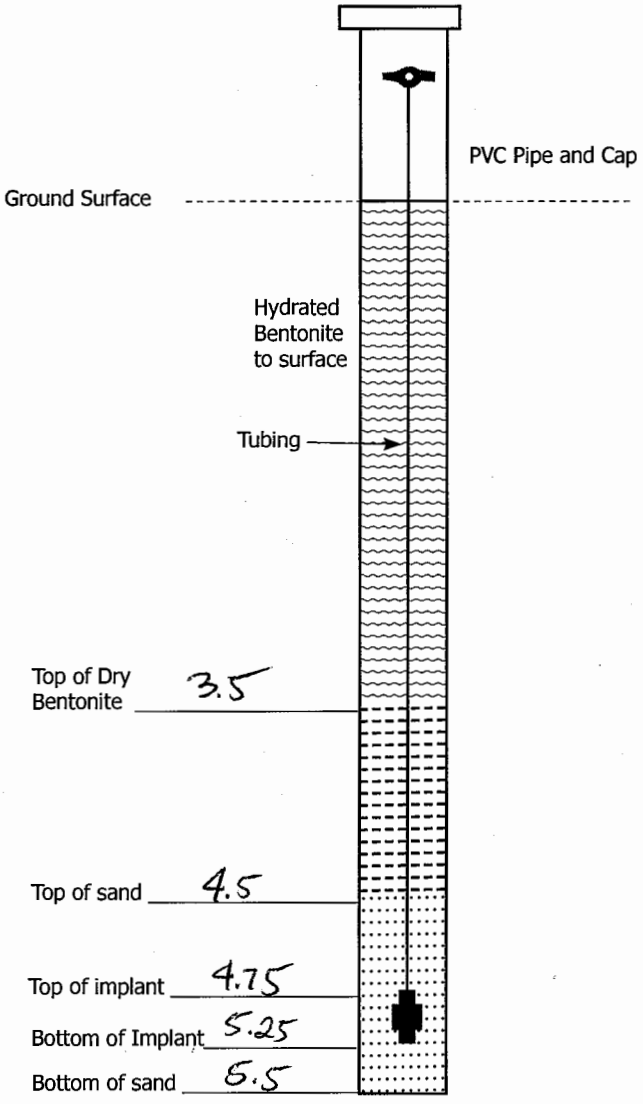
Boring ID: 5ASV-DG-618	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Macrocore / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0945 / 6-6-14	Drill Finish Time/Date: 1010 / 6-6-14
Soil Vapor ID: 5ASV-DG-618	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 1031 / 6-6-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: In drainage, grassy					
						0	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, no stains or odors, alluvium (native soil) recently deposited.	-	-	-	60	40/
	Gas utility nearby Hand Auger to 5.0ft					1							
						2		@ 1' backfill - possibly from gas-pipe installation.					
						3							
						4							
		30"				5	SP	Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace silt, weak, roots, fill.	-	-	-	100	TR/
			None			6	W B						
						7		5.5-6.0 - Clump of silty sand w/ roots					
						8		Weathered bedrock - Shale & med. to high plasticity clay, fissile. TD=7.0, refusal on shale bedrock, backfill w hydrated chips to 6.0ft and install vapor probe 5.0-6.0 ft					
						9							

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SASV-DG-619
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SA
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 6.0
Probe Completion Date/Time: 1216/6-6-2014
Borehole Diameter: 2.25"



* Backfill 5.5-6.0 w/ med. bentonite chips to avoid clay/weathered shale.

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

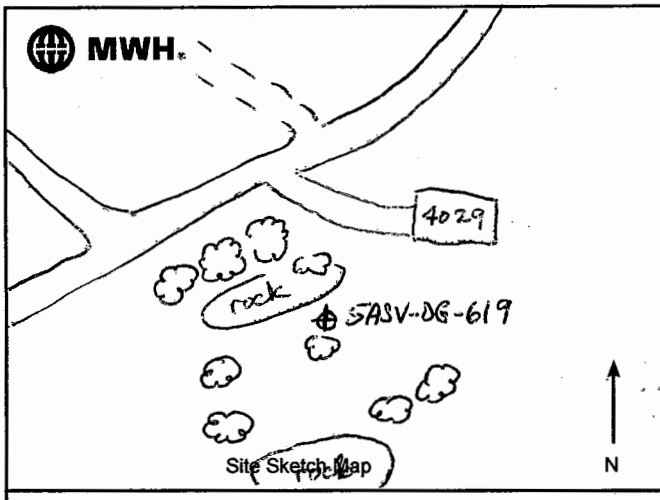
Hydrated Bentonite
Type: #8 Cetco
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASV-DG-619	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method:	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.0
Drill Bit Type: Macro Core	
Drill Start Time/Date: 1155 / 6-6-14	Drill Finish Time/Date: 1203 / 6-6-14
Soil Vapor ID: SASV-DG-619	Soil Boring Backfill Time/Date: N/A
Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1216 / 6-6-2014	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 4.5 – 5.5	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, non-cemented, few roots and leaves down to 3", native soil	-	-	-	60	40
		45"				1							
			NONE			2							
0.0						3	SP-SM	Poorly Graded Sand with silt (SP-SM), brownish yellow (10YR 6/6), loose, dry. fine sand and silt, native soil	-	-	-	85	15
						4							
		30"				5	CL	Sandy Clay (CL), very pale brown (10YR 7/4), med stiff matrix with stiff dry blocks of clay, low liquid limit / high dry strength, fine sand, possibly weathered shale.	-	-	-	20	80
			NONE										
0.0						6	Br	Shale, weathered.					
						7		TD = 6.0, refusal on bedrock - install probe at 4.5 - 5.5 ft. Backfill w/ med. bent chips to 5.5 ft to avoid shale/clay					
						8							
						9							

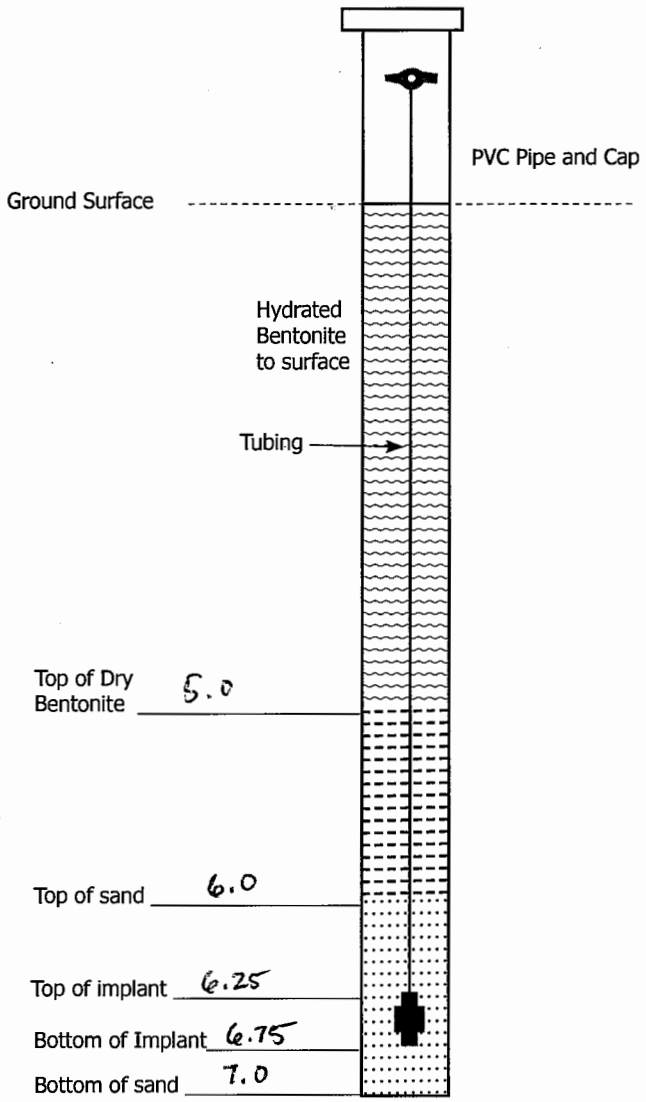
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV-DG-622 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA 5A | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 1110 / 6-6-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

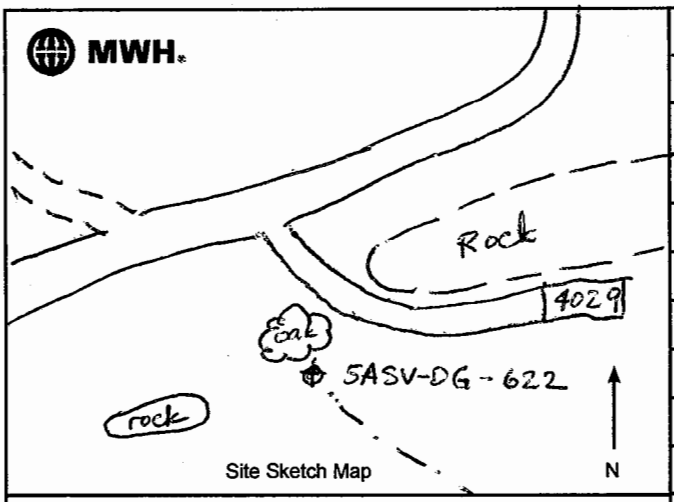
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH

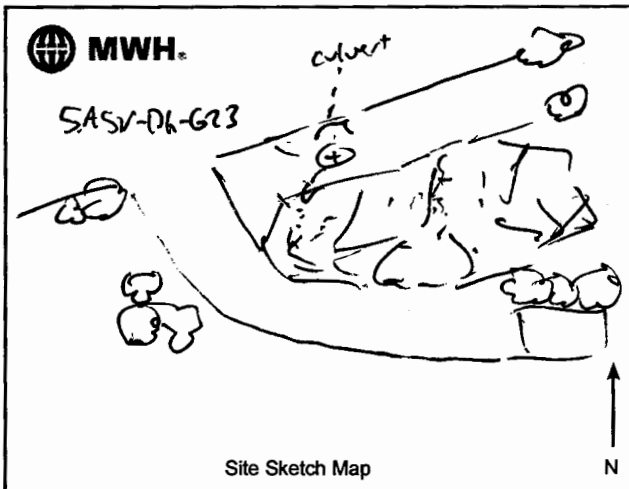


Site Sketch Map

Boring ID: 5ASV-DG-622	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vatharasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1042 / 6-6-14	Drill Finish Time/Date: 1053 / 6-6-14
Soil Vapor ID: 5ASV-DG-622	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 1110 / 6-6-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 6.0 - 7.0	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion:
	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: ~10' from culvert, asphalt chunks					
								Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand and silt, roots, leaves down to 1-inch depth, fill	–	–	–	60	40/
		42"	NONE			2		@ 2' color changes to yellowish brown (10YR 5/4), grades w/ med. sand, fill	–	–	15	50	35/
0.0						3							
						4		@ 4 grades w/ ≤1% < 1mm very pale brown (10YR 8/3) nodules.					
		36"	NONE			5							
0.0						6	SP	Poorly Sorted Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand,					
						7	Sr	slight yellowish brown (10YR 5/3) oxidation					
						8		Sandstone, weathered. TD = 7.0, refusal on bedrock,					
						9		install probe (MW) at 6.0 - 7.0.					

MWH.



Site Sketch Map

Boring ID: 5A SV DG-623	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: KMS ELLIS	Reviewed By:
Drilling Contractor: EJT	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Bucket Auger / grab	
Borehole Diam (inch): 3.5"	Total Depth (ft.bgs): 4.5'
Drill Bit Type: Bucket auger	
Drill Start Time/Date: 09 JUN 14 13:05	Drill Finish Time/Date: 09 JUN 14 13:25
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 09 JUN 14 13:26 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: none
Soil Vapor Well Detail Completed (yes/no): N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: drainage; elf of culvert

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0		16"				0		0.0-1.5' (16")					
ppm						1	SP	Poorly graded sand (SP). Dark yellowish		TR	TR	85	15
					TD	1.5		brown (10YR 4/6). Loose - med					
						2		dense; dry. Mostly fine sand					
								(85), little silt (15) trace medium					
						3		and coarse sand - No stain,					
								no odor. Possible native.					
						4		TD = 1.5' bgs w/ refusal					
								on sandstone bedrock					
						5							
						6		Backfilled at 13:26 w/					
								Soil cuttings.					
						7		Stepped out to (S) and					
						8		(E) to confirm, refusal					
								at 12"					
						9							

MWH

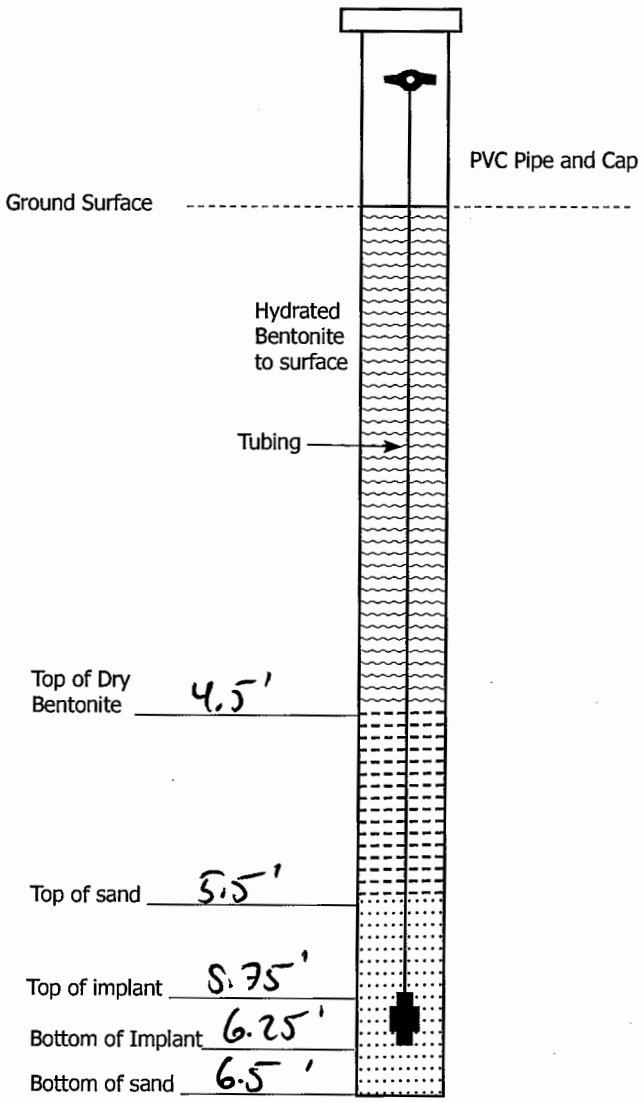
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SASV DG-636 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA | Reviewed by: | Logged by: CHRIS ELLIS

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 | Driller: MORGAN HUGHES

Borehole TD: 6.5' bgs | Probe Completion Date/Time: 09JUN14; 11:55 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 bent crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 bent crumbles

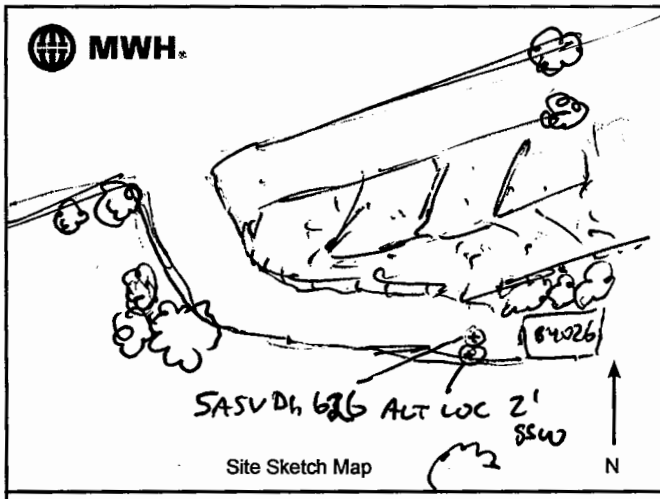
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SASV DH-626 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA

Logged By: [illegible] Reviewed By:

Drilling Contractor: EST Drillers Name: [illegible]

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 6.5'

Drill Bit Type: Macrocore

Drill Start Time/Date: 09JUN14 11:35 Drill Finish Time/Date: 09JUN14 11:41

Soil Vapor ID: SASV DH-626

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 09JUN14, 11:55

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 5.5-6.5

Surface Completion: SV probe

Soil Vapor Well Detail Completed (yes/no) yes

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description used alt loc w cracks.

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

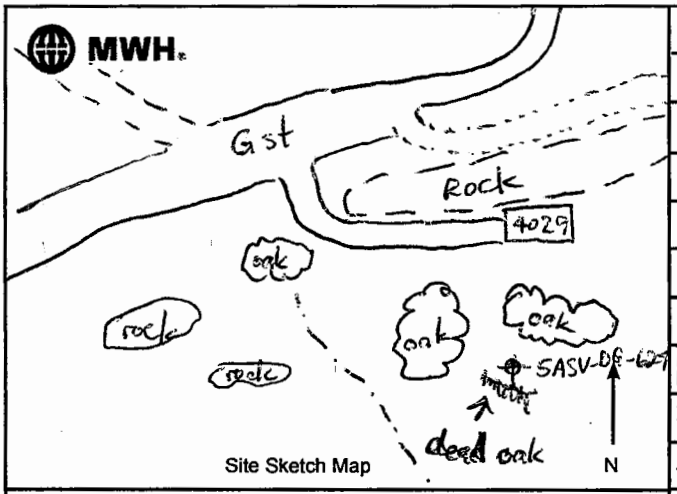
Surface Description: Asphalt

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		40"				0	SM-GW	0.0 - 0.35 4" asphalt					
								0.35 - 0.9					
						1	SM	Silty sand with gravel (SM-GP) Brown (10YR 5/3), loose, dry. Mostly fine sand (40), some silt (30), gravel (20), pea gravel as base., few coarse sand (10). No stain, no odor. Fill.	20	10	-	40	30
						2							
						3							
						4	SM	0.9 - 2.3					
		28"						Silty sand (SM), Dark yellowish brown (10YR 4/4). Loose, dry Mostly fine sand (65), some silt (35), trace medium sand. No stain, no odor. Fill.	-	-	TR	65	35
						5							
						6							
						TD = 6.5'							
TD = 6.5' bgs w/ refusal on sandstone bedrock								2.3 - 6.5					
						8		Silty sand (SM). light yellowish brown (10YR 6/4). Loose dry. Mostly fine sand (60), some silt (40). No stain, no odor; fill	-	-	-	60	40
						9		1" shale interbed @ 6.0' bgs.					

QA/QC

Surficial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: 5ASV-DG-627 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5A

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25 Total Depth (ft.bgs): 3.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 0859 / 6-6-14 Drill Finish Time/Date: 0910 / 6-6-14

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 0930 / 6-6-14 Backfill Material: Soil cutting

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Next to dead oak, grassy	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 5/4), loose, dry, fine sand and non-plastic silt, no odors or stains, native soil (alluvium),	-	-	-	65	35
		40"				1							
						2		no odors or stains, roots down to 12", non-cohesive					
0.0			X		0913	3		@ 3' color change to yellowish brown (10YR 5/6)	-	-	25	55	20
							Br	Sandstone, weathered.					
						4							
						5		TD = 3.5, refusal on bedrock, no vapor probes installed. Collect soil					
						6		3.0 - 3.5 and submit for VOC analyses.					
						7							
						8							
						9							

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Single Soil Vapor Probe Construction Diagram

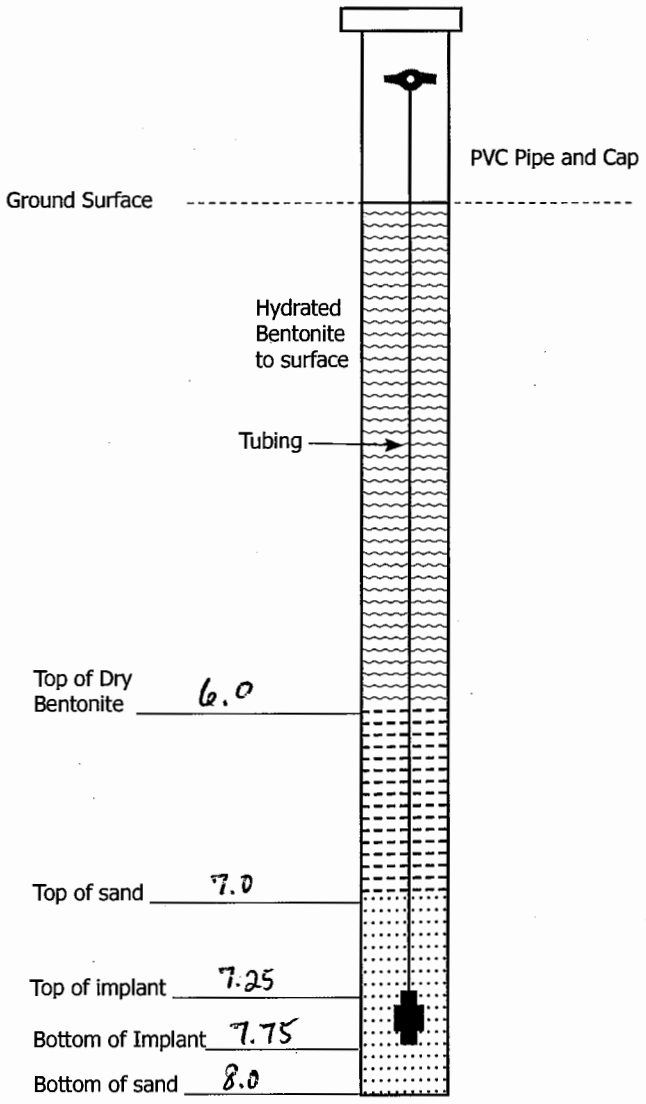
MWH

Probe ID/Soil ID: SASV-DG-629 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA | Reviewed by: | Logged by: V.Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 8.0 | Probe Completion Date/Time: 0830 / 6-6-2014 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

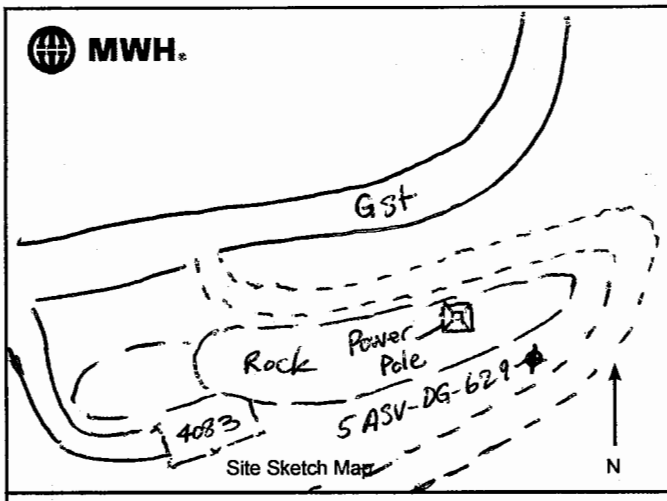
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



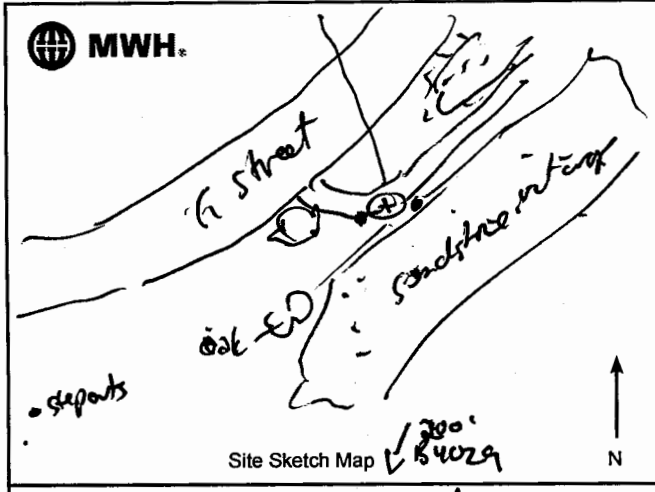
Site Sketch Map

Boring ID: 5ASV-DG-629	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5A
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0808 / 6-6-14	Drill Finish Time/Date: 0817 / 6-6-14
Soil Vapor ID: 5ASV-DG-629	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 0830 / 6-6-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Veg. cleared, @ base of rock outcrop					
						0	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic sand, no odors or stains, fill	-	-	-	65	35/
						1							
						2		@2 color changes to brownish yellow (10YR 6/6), slightly more silty, native soil.				60	40/
		48"				3							
			MOVE			4							
						5							
						6	SP-SM	Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, friable. native soil.					
		48"				7							
			MOVE			8	Br	Bedrock, sandstone, weathered					
						9		T.D = 8.0, refusal on bedrock, install probe 7.0-8.0					

SASV DH-630

MWH

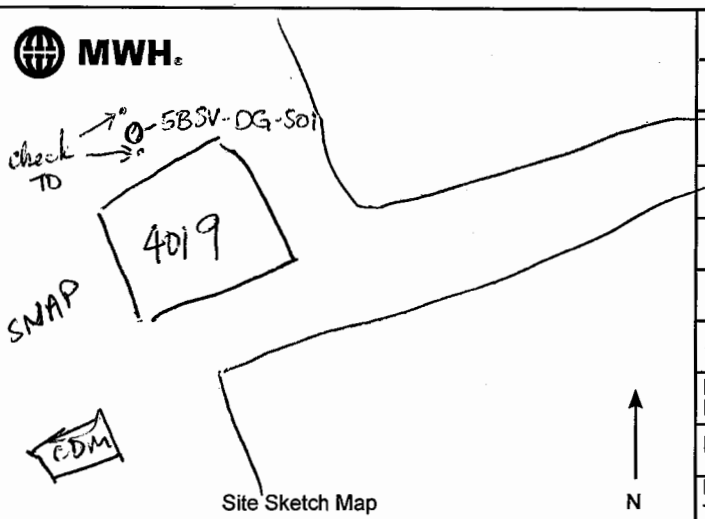


Boring ID: SASV_DH-630	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA
Logged By: RUSSELL	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macro Core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 2.0'
Drill Bit Type: Macro core	
Drill Start Time/Date: 09JUN14 13:40	Drill Finish Time/Date: 09JUN14 13:49
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 09JUN14 14:02 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: NONE
Soil Vapor Well Detail Completed (yes/no) N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X	24"				0	SM	0.0 – 0.5	-	-	10	60	30
	X		X		TD=2	1	SP	Silty sand (SM) dark yellow brown (10YR4/4) loose, dry Mostly fine sand (60) some					
SVE-630-SASA-33-1.5-2.0 @ 13:54						2		Silt (30), and few red sand (10) No stain, no odor, Fill.					
1 L/min, 26 cpm 0.0 ppm.						3		0.5 – 2.0					
						4		Poorly graded Sand (SP). ~~light~~ dark yellow brown (10YR4/4) transitions to light	-	—	15	70	15
						5		yellow brown @ 1.5' bgs to (10YR6/4). Mostly fine					
						6		Sand (30), little Silt (15), little medium sand (15).					
TD= 2.0' bgs at refusal on sandstone bedrock.						7		loose, dry. No stain, no odor, Native					
						8							
						9		Stepped out to (E) + (W) for refusal confirmation					

Backfilled w/ soil cuttings @ 14:02

MWH



Site Sketch Map

Boring ID: SBSV-DG-501	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SB
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 1.25
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1445 / 5-12-14	Drill Finish Time/Date: 1505 / 5-12-14
Soil Boring Backfill Time/Date: 1510 (N/A)	Backfill Material: ~~Active~~ Soil cuttings (I.D.)
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Soil Vapor ID: N/A	Surface Completion: Cold asphalt patch
Soil Vapor Well Completion Time/Date: N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Probe Depths (ft.bgs): N/A	
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		Surface Description: Asphalt					
0.0	X	15"	X	0.75-1.25	1450	1	SM	4" asphalt/concrete Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine and medium sand, non plastic silt.			10	70	20
						2		@ 1.25' Bedrock - light yellowish brown (10YR 6/4)					
						3							
						4		TD = 1.25' Refusal on bedrock. No Vapor probes installed. Collected shallow encores due to intact slab at surface.					
						5							
						6							
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

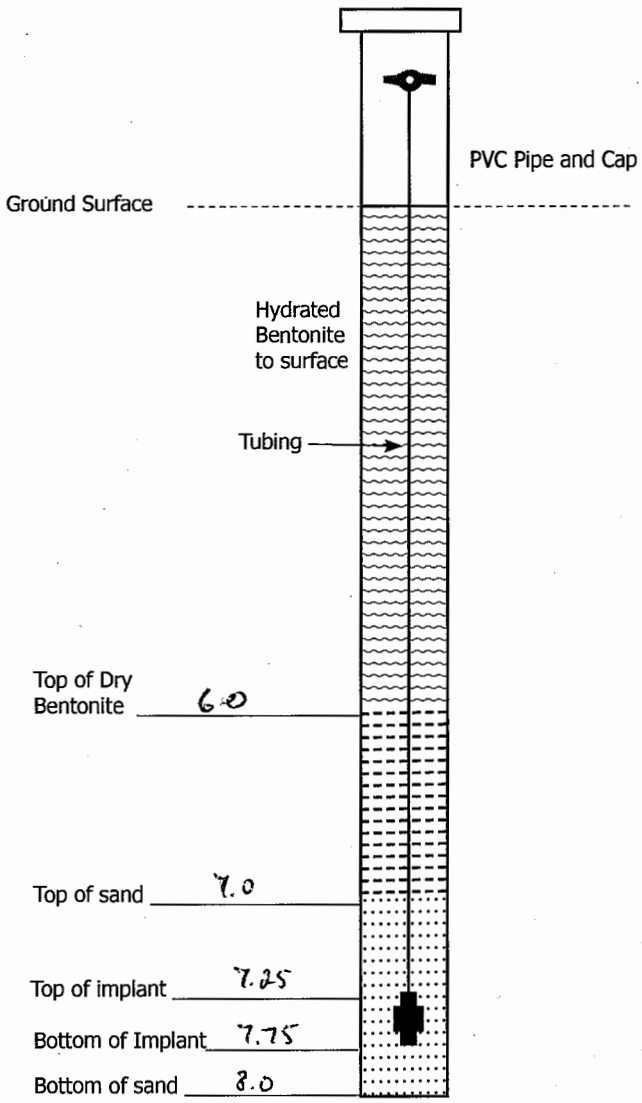
MWH

Probe ID/Soil ID: SBSV-DG-503 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8' | Probe Completion Date/Time: 5-12-14 / 1425 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex Lapis Lustre

Dry Bentonite

Type: CETCO #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

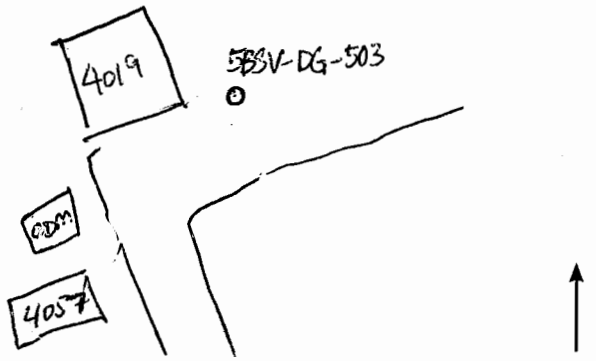
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV-DG-503	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SB
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 13:30 / 5-12-14	Drill Finish Time/Date: 13:55 / 5-12-14
Soil Vapor ID: SBSV-DG-503	Soil Boring Backfill Time/Date: Backfill Material:
Soil Vapor Well Completion Time/Date: 5-12-14 / 14:25	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0'	Surface Completion:
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Unpaved Road.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0						0	~~SP~~ SW	Well Graded Sand with Silt and Gravel, (SW) dark gray (10YR 4/1), loose, dry, fine to coarse sand, fine gravel, non-cemented, non-plastic fines, few dark stains (Dark brown (10YR 3/3), no odors, fill	10	15	35	30	10
		48"	NONE			1							
						2							
						3		@3' color changes to greenish gray (5BG 5/1). Silty sand (SM), color = ↑, loose, moist, fine to med sand, trace fine gravel, non-plastic silt, fill	TR	–	10	55	35
						4							
						5			–	–	–	60	40
						6	SM	@5.5' Silty Sand, grades w/o gravel and color changes to brown (10YR 5/3), moist fine sand and silt.					
						7							
						8	SW	@7.8' Color changes to very pale brown (10YR 7/4), dense w/ med and coarse sand [Well Graded Sand w/ Silt (SW)]	–	10	40	50	10
						9		@8' Bedrock					
								TD = 8' bgs; refusal on bedrock.					

Install probe 7.0' - 8.0'

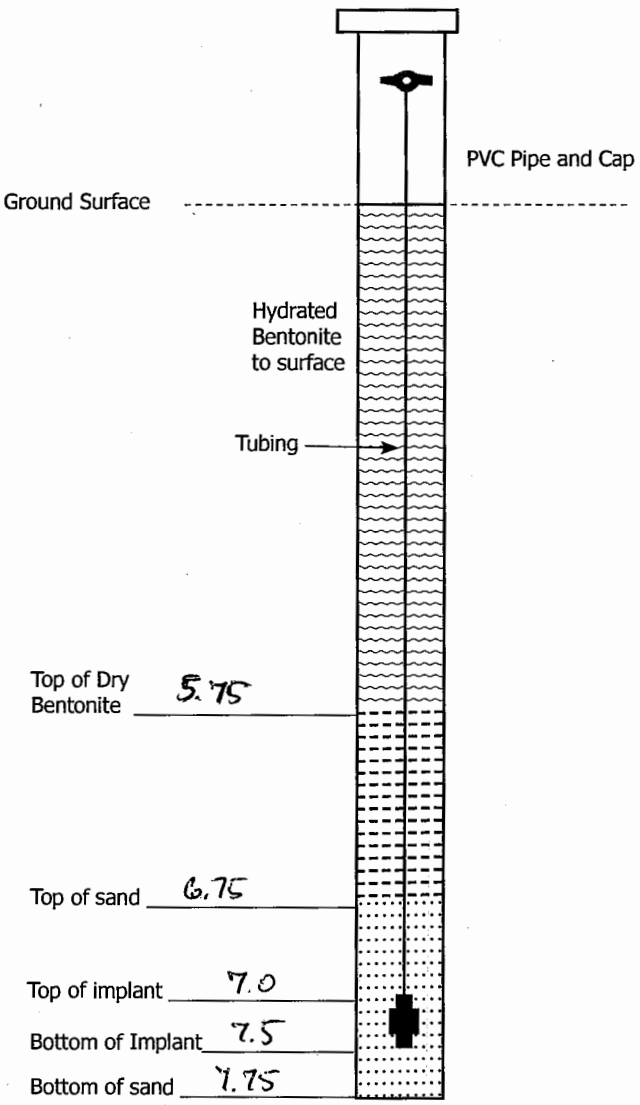
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-512 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 8.0 | Probe Completion Date/Time: 5-13-14 / | Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

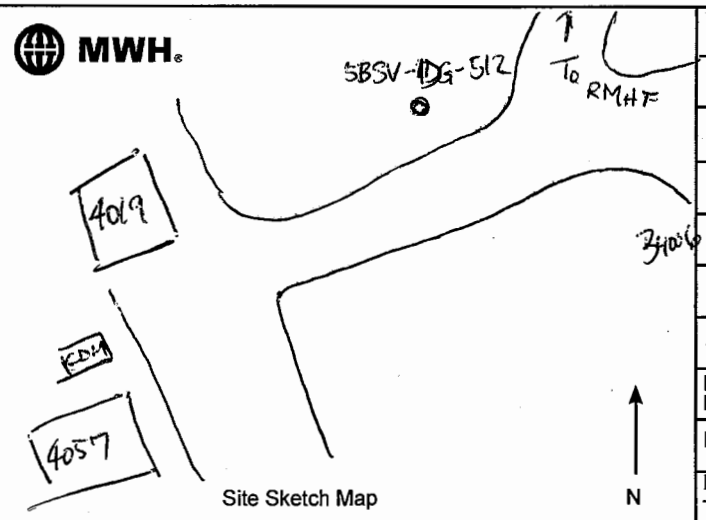
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 5BSV-DG-512	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 8.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0905 / 5-12-14	Drill Finish Time/Date: 0930 / 5-12-14
Soil Vapor ID: 5BSV-DG-512-6.75-7.75	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: /5-13-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 6.75-7.75	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: ~~Graded~~ VV Graded, mustard

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0						0	SM	Silty Sand with Gravel (SM), very pale brown (10YR 7/4), soft, dry, fine	15	–	15	30	40
		42"	NONE			1	SM	to medium sand, fine angular gravel (fill), very weak silt cement (easily friable), non-plastic fines, fill, no odors or staining	–	–	10	50	40
						2							
						3		Grades to Silty Sand (SM), [No gravel @ 3.5' Minor iron staining					
0.0						4		@ 4.0' trace fine gravel	TR	10	15	40	35
						5		@ 4.5' Color changes to yellowish brown (10YR 5/4), coarse sand fragment, fill	–	10	15	40	35
		48"	NONE			6		@ 5.5' Color changes to very pale brown (10YR 7/4), dry, predominantly fine sand, soft, non-cemented, iron-staining - brownish yellow (10YR 6/8), native soil.					
						7							
						8	Br	@ 8' Shale TD = 8 ft, refusal on shale bedrock.					
						9		Hole collapsed to 7.75 ft bgs. set ~~probe~~ probe @ 6.75 - 7.75 ft bgs (V.V.)					

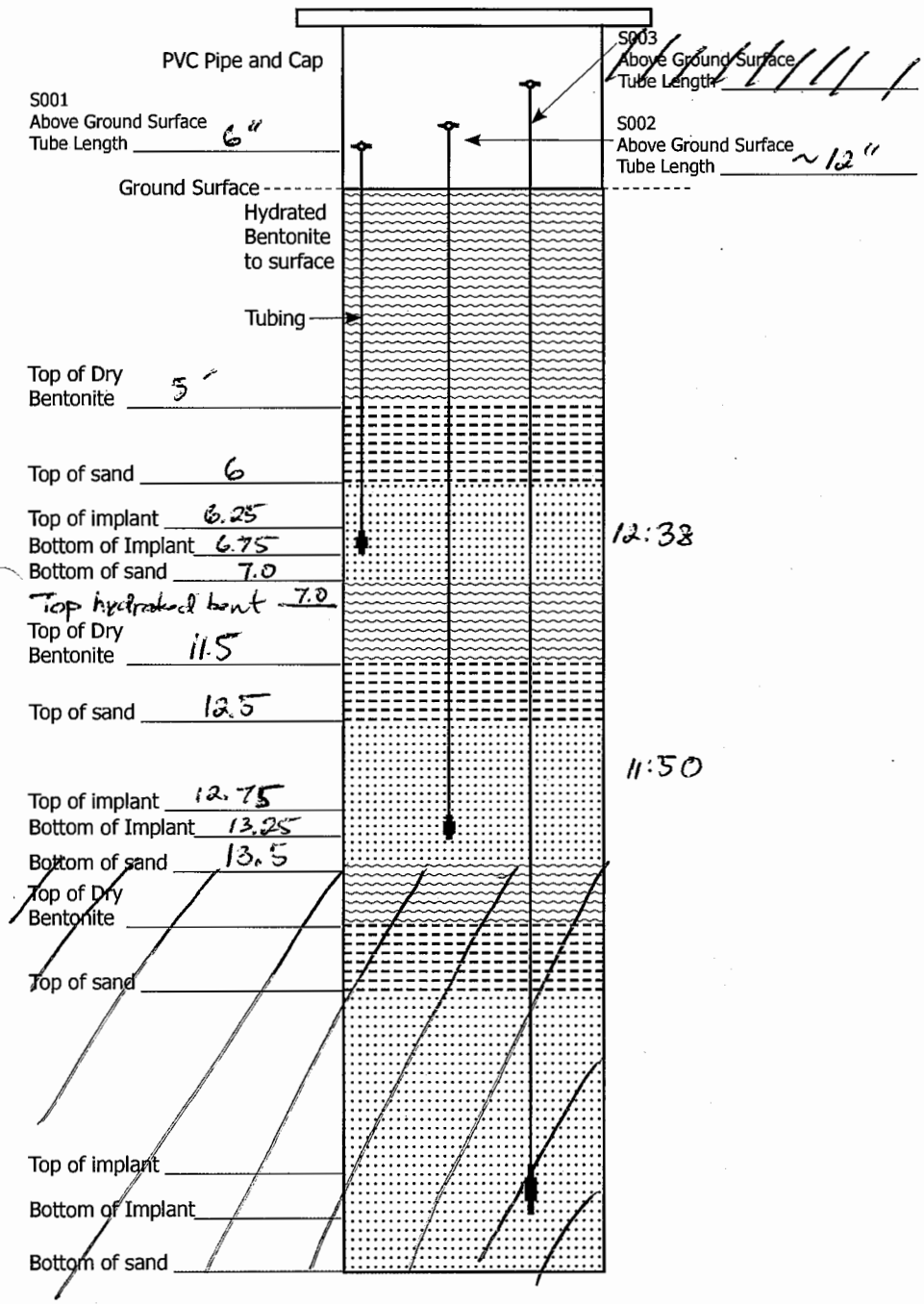
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-516
Site: SB
Drilling Contractor: EST
Borehole TD: 13.5'

Project: Phase 3 DoE Data Gap
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP/Macro.
Probe Completion Date/Time: 1251 / 6-12-2014



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex Lapis Lustre

Dry Bentonite
Type: #8 (Crumbles/Granular)
Manufacturer: CETCO

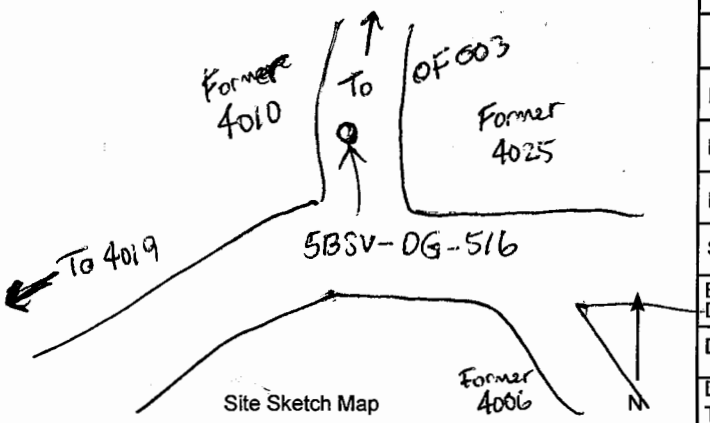
Hydrated Bentonite
Type: Quick Grout (Gel)
Manufacturer: Baroid

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5BSV-DG-516	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanavin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 DT	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 13.5'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1015 / 5-12-2014	Drill Finish Time/Date: 1045 / 5-12-2014
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: 5BSV-DG-516	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: 1251 / 5-12-14	Surface Completion: Soil Vapor Probe
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0, 12.5-13.5	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: Gravel road	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0		*	Hand auger to 5' due to utilities			0	SM	Silty Sand w/ Gravel (SM), yellowish brown (10YR 5/4), med. dense, dry, mostly fine sand, fine sand, fine gravel, non-plastic silt, compacted road base, fill	10	–	10	50	30
						1							
						2		soil becomes loose, grades w/o gravel	–	30	70	–	–
						3	SP	@ 2' Poorly Graded Sand (SP), light yellowish brown (10YR 6/4), loose, dry, medium and coarse sand, friable, fill	–	20	50	30	–
0.0						4	SW	@ 3' Well Graded Sand (SW), light yellowish brown (10YR 6/4), loose, dry, fine to coarse sand, friable, fill, low recovery (U/S)	–	–	–	60	40
		36"				5	SM	@ 4.5' Color Changes to (1) very pale brown (10YR 7/4) ... Silty Sand (SM), dark brown (10YR 3/3), loose, dry, fine sand, non-plastic silt, non-cemented, fill, minor dark staining no odors	–	–	–	60	40
						6							
						7							
3.0						8			–	–	–	60	40
						9		@ 6' color change to pale brown (10YR 7/3) @ 9.25'	–	–	–	60	40

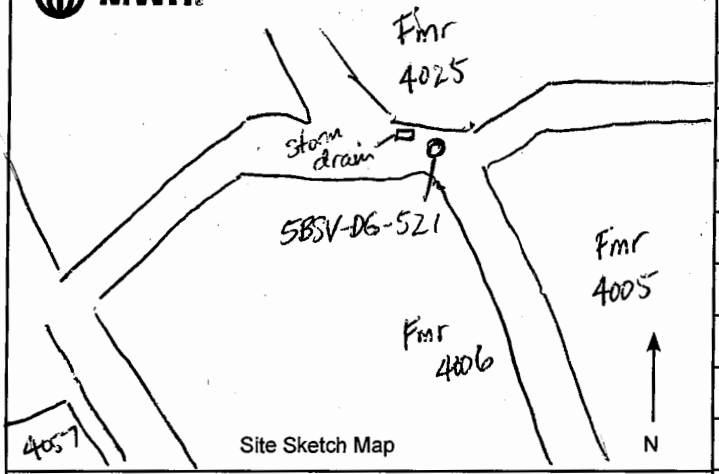
Continued page 2.

Boring ID: SBSV-DG-516 Project: Phase 3 DOE Data Gap Sampling Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X	48"				10		@ ~~10~~ 9.0'-9.25' = Thin Silty Sand w/ Clay layer, low plasticity clay (brittle)					
	X					11							
	X					12	GP	@11.5' Road Base (Gravel with Sand) (GP), ~~Clay~~ (v) light greenish gray (10GY 7/1) to very dark gray (N/3), dry, loose, fine angular gravel, coarse to fine sand, fill	55	30	10	5	—
						13	SP-SM						
						14		@12.5 Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, native soil.					
						15							
						16		@13.5' Bedrock - Sandstone (Chatsworth)					
						17							
						18		TD = 13.5', Refusal on bedrock, Install vapor probes @ 12.5-13.5', and 6.0'-7.0'					
						19							
						20							
						21							
						22							
						23							
						24							
						25							
						26							
						27							
						28							
						29							

5BSV-DG-521

MWH



Site Sketch Map

Boring ID: 5BSV-DG Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 3.8'

Drill Bit Type: Macrocore

Drill Start Time/Date: 0906 / 5-14-14 Drill Finish Time/Date: 0920 / 5-14-14

Soil Boring Backfill Time/Date: 0930 / 5-14-14 Backfill Material: Soil cuttings

Soil Vapor ID: NONE

Soil Vapor Well Completion Time/Date:

Soil Vapor Probe Depths (ft.bgs):

Soil Vapor Well Detail Completed (yes/no)

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: 8" Asphalt patch

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		Surface Description: Asphalt					
								Asphalt 4"					
0.0						1	SM	Silty Sand with gravel (SM), brown (10YR 5/3), loose, dry, fine to medium sand, fine angular gravel, non-plastic silt, non-cemented, dark asphalt stains, no odors, road base/fill	10	–	20	40	30
		46"				2	SW		–	20	30	50	TR
			X		09:20	3		@1' Well Graded Sand (SW), pale brown (10 YR 7/3), loose, dry, fine to coarse sand, trace silt, fill	–	–	10	50	40
						3.0-3.5							
				SVL-521-3.5B-SB		4	SM						
						5		Silty Sand (SM), yellowish brown (10YR 6/6), loose, dry, predominantly fine sand, medium sand, silt, fill					
						6							
						7		@3.8' Sandstone, weathered.					
						8		TD = 3.8', refusal on bedrock, encores collected 3.0 - 3.5' bgs. No vapor probes installed.					
						9							

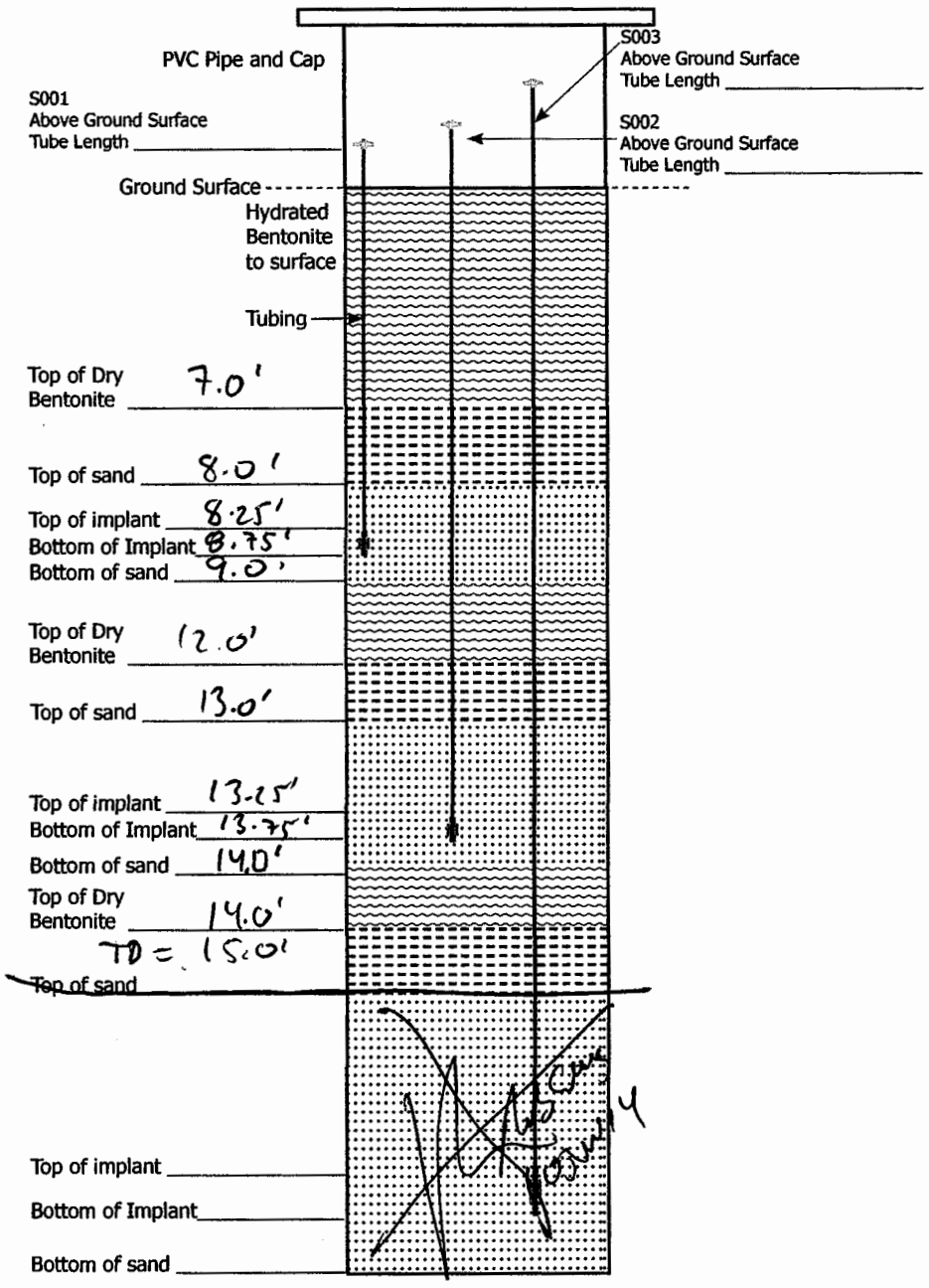
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV.DG-S25
Site: 5B
Drilling Contractor: EST
Borehole TD: 15.0' bgs

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: Robbins
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982.3050106/10503982.3060106
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 10 JUN 14 12:20



Vapor Implant Specs

Material: Stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs

Grain Size: #3 sand
Manufacturer: Lenex

Dry Bentonite

Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite

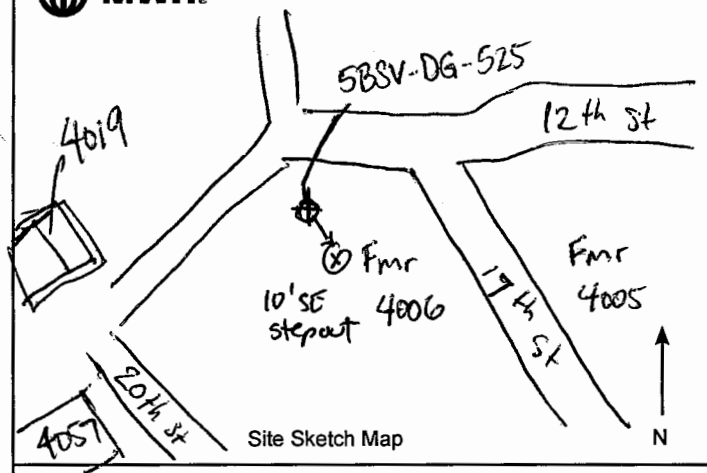
Type: #8 crumbles
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5BSV-DG-525	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	15'
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): ~~1.25'~~ 11.40
Drill Bit Type: Macrocore 10JUN14 10:50	10JUN14
Drill Start Time/Date: 0830 / 5-14-14	Drill Finish Time/Date: 0844 / 5-14-14
Soil Vapor ID: NON 5BSV-DG-525	Soil Boring Backfill Time/Date: ~~5-14-14~~ 0850 5-14-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A 10JUN14;	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): N/A 8.0-9.0, 13.0-14.0	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no) Headed	Type of Refusal: ☐ Bedrock ☒ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Graded fill, old road to B4006					
0.0		48" 45"	NONE			0	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine to medium sand, ~~fine~~ V.V. trace fine gravel, fill. (@ 1.25' Concrete - refusal) before stepout	TR	-	20	55	25
						1							
						2		Layer of base gravel 5.0-5.3' bgs					
						3		~~TD=1.25', Refusal on concrete.~~ ~~2nd attempt also encountered concrete~~ 5.0-14.0'					
0.0 ppm		48"				4		Poorly graded sand (SP), yellowish brown (10YR 5/6). Loose, slightly moist. Mostly fine sand (80), little silt (15), few medium sand (5)					
0.2 ppm		5.5' bgs	PID			5	SP		-	-	5	80	15
						6		Base gravel throughout, some occasional cobblestone clasts, mostly w/ oxide rinds. Base pea gravel layer (6" at 11.5' bgs).					
						7							
0.0 ppm		36"				8		Base gravel fraction increases from 12'-13' bgs to poorly graded gravel (GP).					
						9							

Boring ID: SBSVDG525 Project: Phase 3 DOE SVDG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						10		14.0-15.0					
						11	SP	Poorly graded sand. (SP) yellowish brown (10YR5/8). Wet, slightly moist, mostly fine					
						12		sand (65), little medium sand (20), little silt (15), no					
0.0 ppm		36"				13		stain, no odor, Native weathered bedrock	30	10	20	30	10
						14		last few inches is shale.					
						15	SP		-	-	20	65	15
					TD=								
						6							
						7		- Backfill hole to 14' bgs. w/ bentonite to avoid shale, and weathered bedrock.					
						8		Will set two probes in fill.					
						9		TD = 15.0' w/ refusal					
						0		on shale. + weathered sandstone bedrock (mid-					
						1		interbed).					
						2		- Piece of elec. PVC at ~3.0' bgs.					
						3							
						4							
						5							
						6							
						7							
						8							
						9							

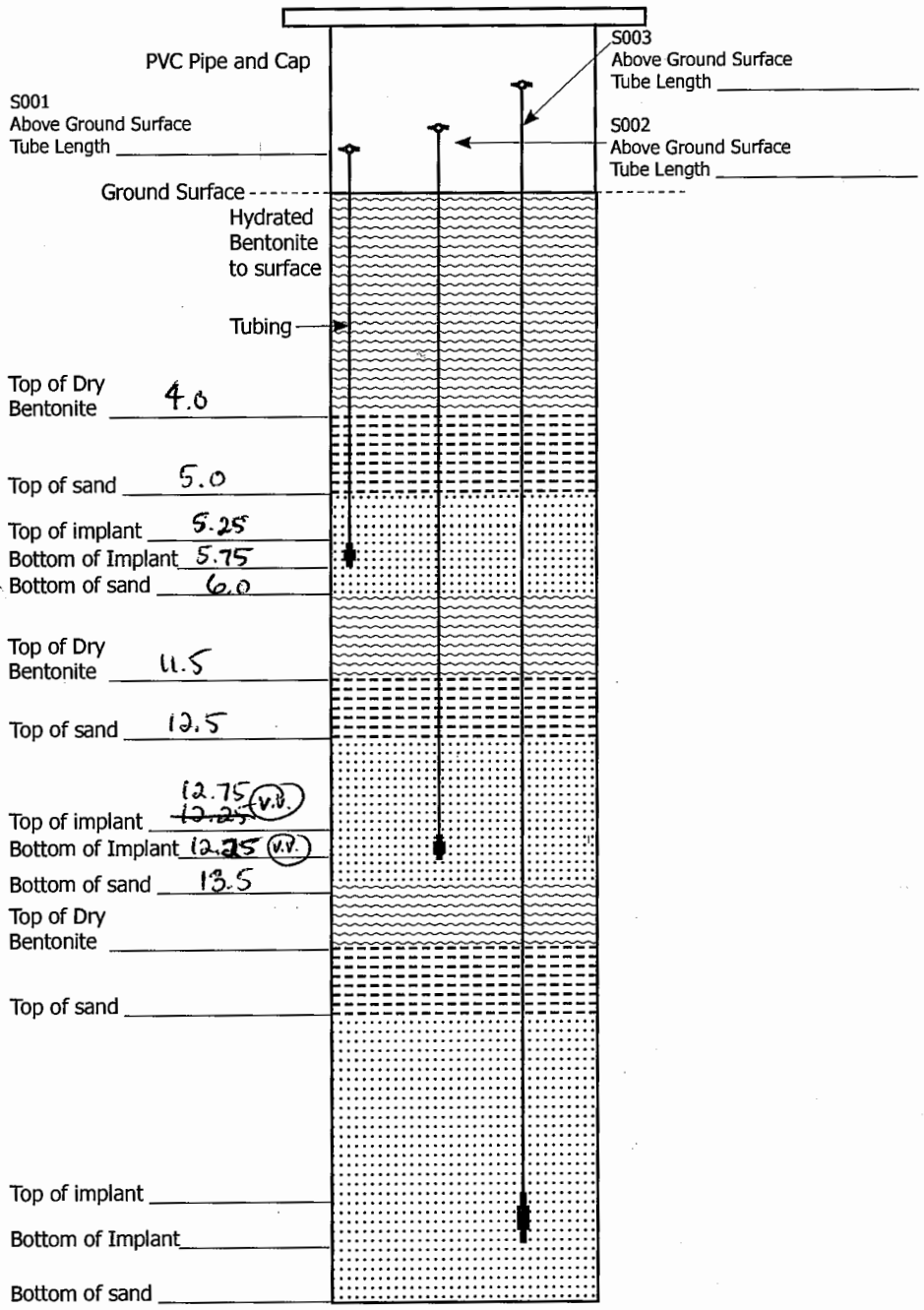
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-526
Site: SB
Drilling Contractor: EST
Borehole TD: 13.5'

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105030050105
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 5-13-14/1530



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

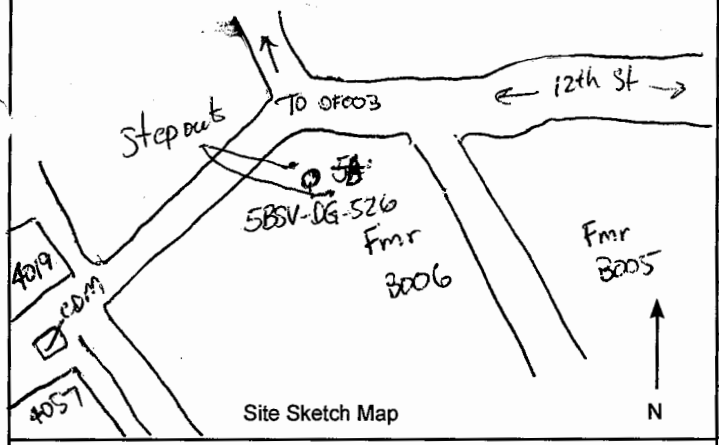
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5BSV-DG-526	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 13.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1450 / 5-13-14	Drill Finish Time/Date: 0830 / 5-14-14
Soil Vapor ID: 5BSV-DG-526	Soil Boring Backfill Time/Date: 0845 / 5-14-14 Backfill Material: Med Chips / Soil cuttings
Soil Vapor Well Completion Time/Date: 1530 / 5-13-14	Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 12.5-13.5, 5.0-6.0	Surface Completion: None / Soil vapor probes
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☐ Bedrock ☒ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, no odor, no stains, fill	–	–	–	65	35
		48"				1							
						2							
						3		@ 3' Color changes to yellowish brown (10YR 5/4)					
						4		VV. @ 3.5' Piece of concrete and steel nail @ 4' Grades w/ gravel	10	–	–	60	30
		48"				5							
						6							
						7		Silty sand (SM), yellowish brown (10YR 5/4), no gravel	–	–	–	65	35
						8							
						9							

Con't page 2.

Boring ID: SBSV-DG-526 Project: Phase 3 DOE Soil Vapor Data Gap Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X	36[a]				0							
0.0	X					1	ML	@1' Silt (ML), yellow (10YR 7/6), dense, dry, very low plasticity silt; no odors or stains, ~~native soil~~ fill	-	-	-	-	100
	X	30"	NONE			2	SP SM	@12' Poorly Graded Sand w/ silt (SP-SM), brown (10YR 5/3), loose, dry, fine and med. sand, silt; fill	-	-	10	80	10
	X					3		@13' Concrete w/ nail					
						4		*Note: Refused ~~to~~ (V.P.) on concrete or rebar at 13.5. Set probes at 12.5-13.5 and 5.0-6.0 in primary boring. Drill stepout on 5-14-14					
						5							
						6							
						7		5-14-14 - con't drilling - try to get past concrete.					
						8							
						9		0820 - Drilled 2 add'l holes 6ft E and W with refusal at 13' and 12.75, respectively. Will re-drill after re-visiting facility diagrams using a new ID					
						20							
						1		TD = 13.5, refusal on concrete. Vapor Probes installed at 5.0-6.0, 12.5-13.5'					
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

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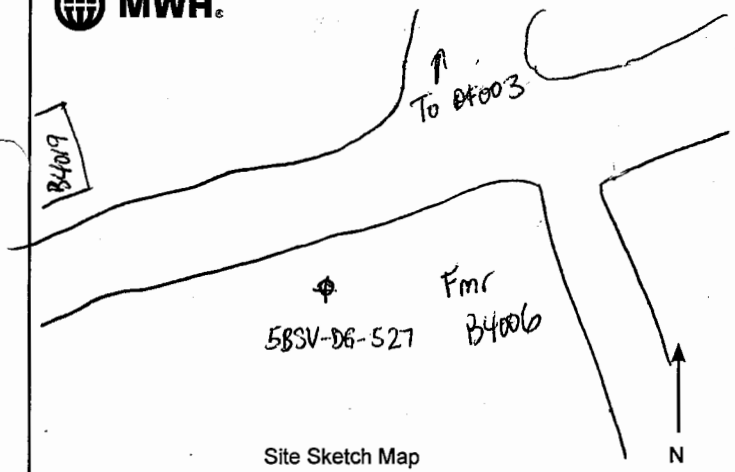


Site Sketch Map

Boring ID: 5BSV-DG-527 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 2'

Drill Bit Type: Macrocore

Drill Start Time/Date: 1105 / 5-13-14 | Drill Finish Time/Date: 1123 / 5-13-14

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1124 / 5-13-14 | Backfill Material: Soil Cuttings

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: None

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
					NONE	0	SM	Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, no odors, no stains, fill.	—	—	—	70	30
0.0		24"	NONE	NONE		1		@1' color changes to light yellowish brown (10 YR 6/4), slight iron staining (brownish yellow 10YR 6/6).					
						2		@2' Weathered Sandstone, Chatsworth Fm.					
						3		TD=2.0', refusal on bedrock, no vapor probe installed, no samples collected.					
						4							
						5							
						6							
						7							
						8							
						9							

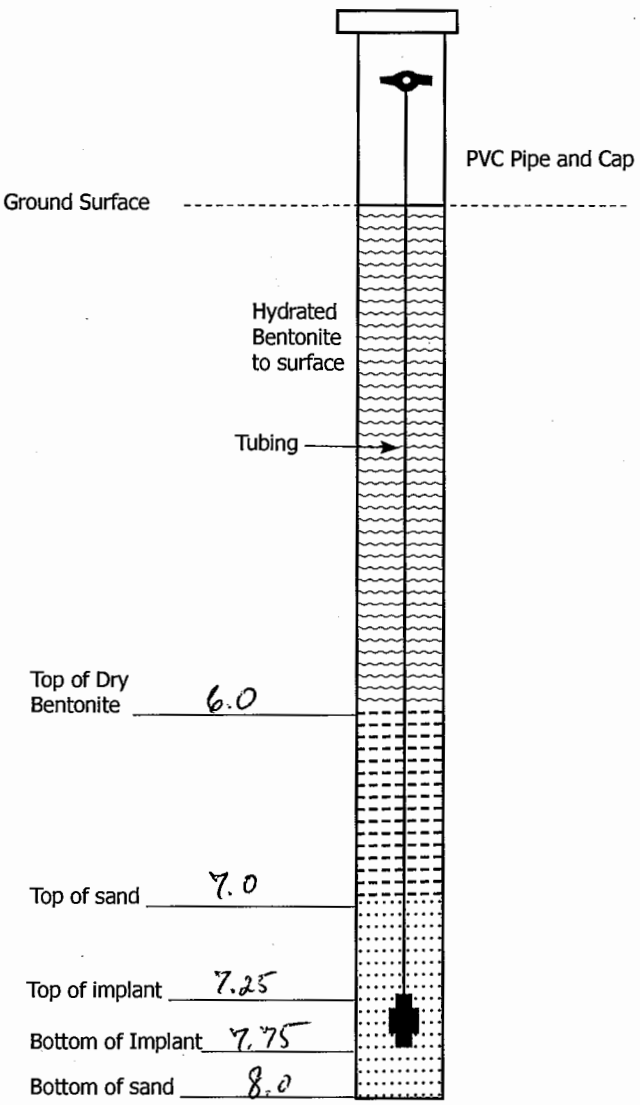
Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded surface, mustard

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-530
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 8.0'
Probe Completion Date/Time: 1015/5-13-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: CETCO #8
Manufacturer: CETCO

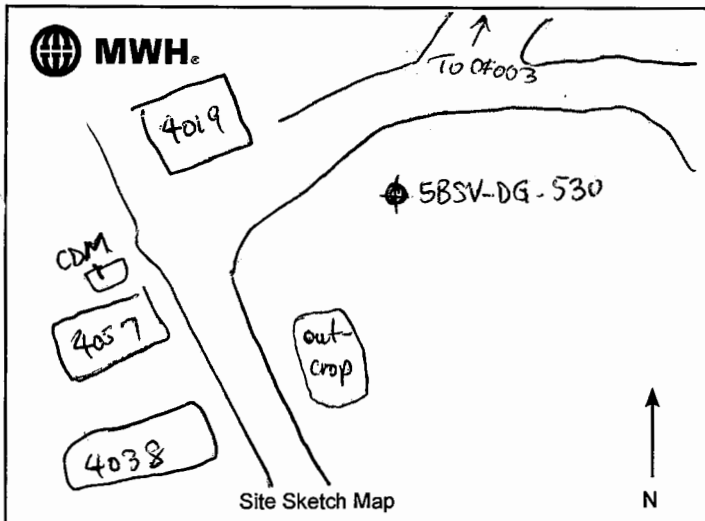
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-530	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vatharaian	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macro core	
Drill Start Time/Date: 0915 / 5-13-14	Drill Finish Time/Date: 0935 / 5-13-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Soil Vapor ID: 5BSV-DG-530-7.0-8.0	Surface Completion: Soil Vapor Probe
Soil Vapor Well Completion Time/Date: 10:15 / 5-13-2014	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations Surface Description: Graded fill, weeds	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0						0	SP-SM	Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10 YR 6/4), loose, dry, fine sand, non-plastic silt, friable, fill	-	-	-	80	20
		48"	NONE	NONE	NONE	1							
						2		@2' grades with medium sand	-	-	30	50	20
							ML	@2.5, Silt w/ Sand (ML), very pale brown (10YR 7/4), med. dense, dry, non-plastic silt, fine sand, weak cementation, fill, no odors or stains.	-	-	-	40	60
						3							
						4							
0.0						5	SM	@4.5' Silty Sand (SM), very pale brown (10 YR 7/4), loose, dry, fine to med sand, non-plastic fines, non cemented	-	-	20	55	25
		48"	NONE	NONE	NONE	6		@5 grades to w/ increasing medium sand					
						7							
0.2						8	Br	Sandstone, weathered Chatsworth Fm.					
						9		TD = 8.0 ft, refusal on sandstone; install vapor probe @ 7.0-8.0 ft					

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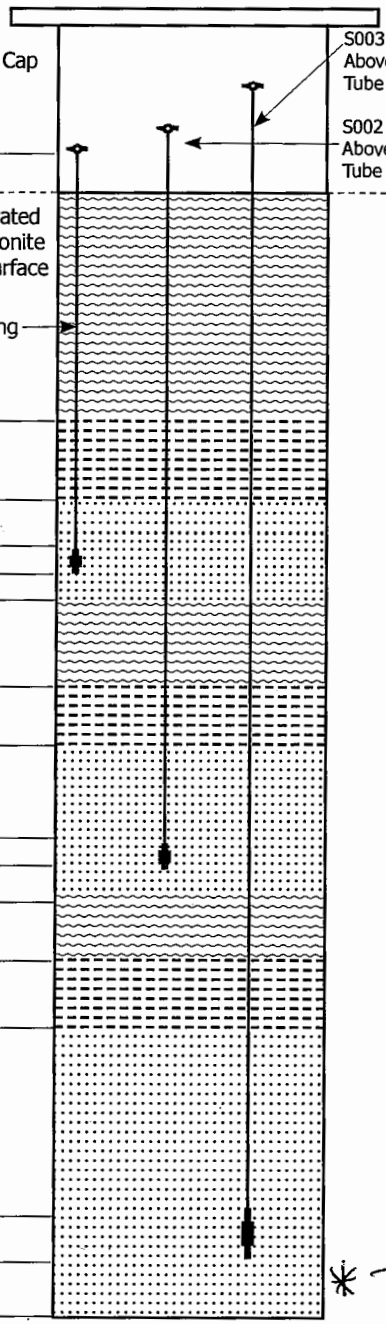
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5BSV-DG-531
Site: 5B
Drilling Contractor: EST
Borehole TD: 18, collapse to 17.75

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503~~982~~ 982 (V.V.)
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: /5-13-14



Top of Dry Bentonite 4
Top of sand 5
Top of implant 5.25
Bottom of Implant 5.75
Bottom of sand 6
Top of Dry Bentonite 9
Top of sand 10
Top of implant 10.25
Bottom of Implant 10.75
Bottom of sand 11
Top of Dry Bentonite 15.75
Top of sand 16.75
Top of implant 17.0
Bottom of Implant 17.5
Bottom of sand 17.75

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

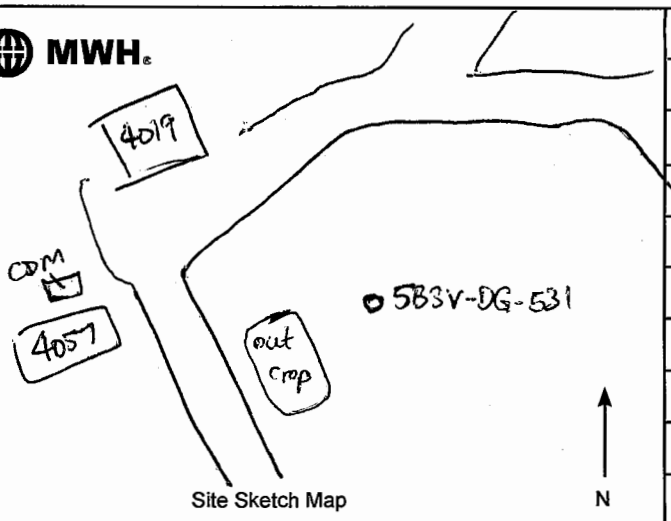
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

* TD=18' but collapsed to 17.75 after tripping out.

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5BSV-DG-531	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanesin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 18'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 12:20 / 5-13-14	Drill Finish Time/Date: 1400 / 5-13-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: 5BSV-DG-531	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Completion Time/Date: / 5-13-14	Surface Completion: Soil Vapor Probe
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 16.75-17.75	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded fill, scrub + mustard

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0					NONE	0	SM	Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, fill, no odors, no stains, slightly layered appearance.	–	–	–	65	35
		48"	NONE	NONE		1							
						2							
						3		Grades with less silt	–	–	–	80	20
						4	SP	Poorly Graded Sand (SP), pale brown (10YR 6/3), loose, dry, fine sand, trace silt, fill, no odors or stains	–	–	–	100	TR
0.0						5			–	–	30	70	TR
		48"	NONE	NONE	NONE	6		@5' grades with medium sand	10	–	25	65	TR
						7		@6' Poorly graded Sand w/ Gravel (SP), pale brown (10YR 6/3), med. dense, dry, fine to medium sand, fine angular gravel, trace silt, no odor or stain, fill	–	–	–	65	35
0.0						8		@6.5' Silty Sand (SM), yellowish brown (10YR 5/4), med. dense, dry, fine sand, V.V. ~~non plastic~~ very low plasticity silt, no odors, no stains, fill					
						9							

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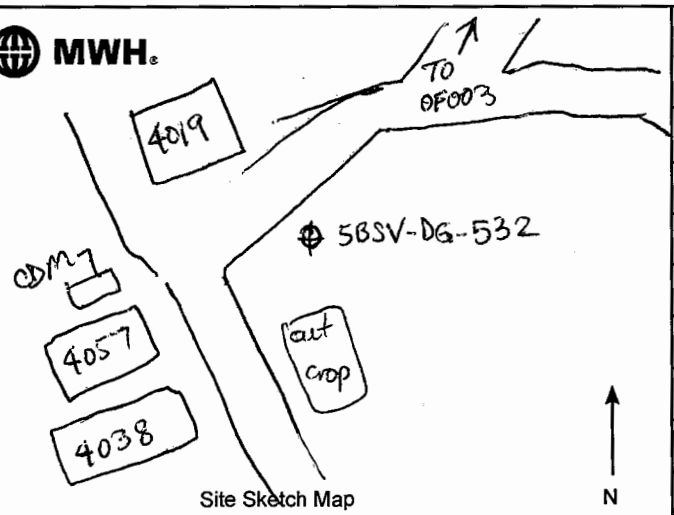
Boring ID: SBSV-DG-531 Project: Phase 3 DOE SV Data Gap Sampling Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		18"	none			0	SM	Grades w/ a few clasts (<1%) of fine gravel (trace amounts)	TR	–	–	65	35
						1							
						2		* Acetate sleeve jammed inside Macrocore at 16' bgs. (30 mins to remove)					
0.0													
						3							
		48"											
			none			4							
						5							
							SP-SM	Grades w/o clasts	–	–	10	80	10
						6		@15' Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4), dense, dry, fine sand, medium sand, silt, non-cemented, native soil, no stains or odors,					
		24"	none			7							
						8	BR	Sandstone, weathered Chatsworth Fm					
						9		TD = 18', refusal on bedrock. ~~Installed~~ (RV)					
						20		Install probes at 17.0-18.0, 10-11', 5'-6'.					
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

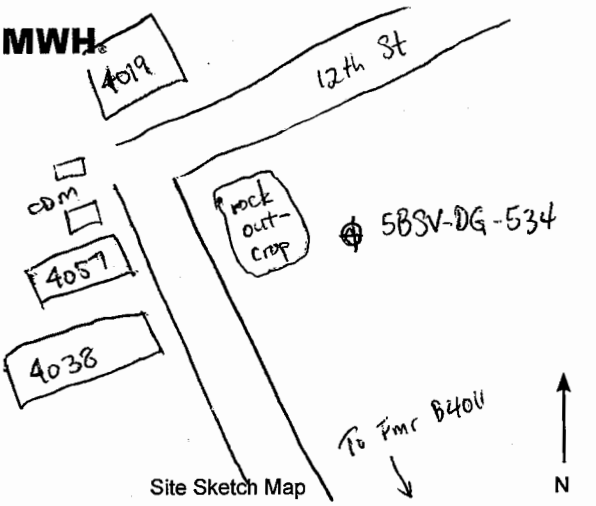


Site Sketch Map

Boring ID: 5BSV-DG-532	Sheet 1	of 1	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5'		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0820 / 5-13-14	Drill Finish Time/Date: 0845 / 5-13-14		
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 0900 / 5-13-14	Backfill Material: Soil Cuttings	
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Graded ~~backfill~~ fill, mustard					
0.0		48"				0	SP-SM	Poorly Graded Sand w/ Silt (SP-SM), very pale brown (10YR 7/3), loose, dry, fine sand, non-plastic silt, non-cemented, fill	-	-	-	70	30
						1							
						2	SM		10	-	5	50	35
								@2' Silty Sand w/ Gravel (SM), brown (10YR 5/3), med. dense, faint moisture, fine sand, medium sand, non-plastic silt, fine gravel (angular), no odors or stains, fill.	-	-	5	60	35
						3							
0.0		12"		532-MS	4.0-5.0	4							
				532-MSD	4.0-5.0	5							
					08:40		Br	@3' grades w/o gravel, iron stains					
						6		@5' Sandstone, weathered Chatsworth Fm.					
						7		TD = 5', refusal on bedrock, no vapor probes installed. Collect soil sample @ 4.0 - 5.0 ft. (MS/MSD, dup.)					
						8							
						9							

MWH



Site Sketch Map

Boring ID: SBSV-DG-534	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 513
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.5'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0750 / 5-15-14	Drill Finish Time/Date: 0810 / 5-15-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 0815 / 5-15-14 Backfill Material: Soil Cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Graded backfill, mustard.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
	X	42"				0	SM	Silty sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, med. sand, low-plasticity silt, no stains, no odors, fill.	—	—	20	40	40
						1							
						2		@2' color changes to pale brown (10YR 6/3)					
0.3			X		08:10	3	SP-SM	Poorly Graded sand w/ silt (SP-SM), yellowish brown (10YR 5/6), loose, dry, fine sand, non-plastic silt, possibly weathered bedrock, native.					
SVI-534-SASB-SB-3.0-3.5						4	Br						
						5		@3.5 Sandstone, weathered, Chatsworth Formation.					
						6							
						7		TD= 3.5', refusal on bedrock, no vapor probes installed, collect 3 encores and 4 oz jar.					
						8		Stepped out 2ft E and W to confirm shallow refusal with similar results.					
						9							

MWH

Boring ID: SBSV-DG-536 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SB

Logged By: V. Vatharasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 1.5'

Drill Bit Type: Macrocore

Drill Start Time/Date: 0730 / 5-13-14 | Drill Finish Time/Date: 0745 / 5-13-14

Soil Boring Backfill Time/Date: 0755 / 5-13-14 | Backfill Material: Soil Cuttings

Soil Vapor ID: NONE

Soil Vapor Well Completion Time/Date: NONE

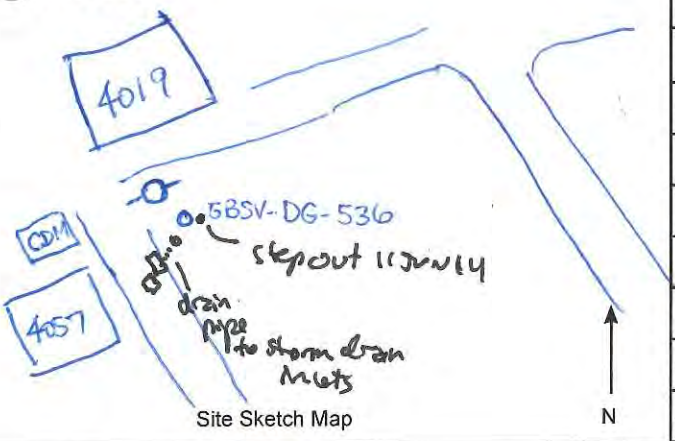
Soil Vapor Probe Depths (ft.bgs): NONE

Soil Vapor Well Detail Completed (yes/no) NONE

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: None

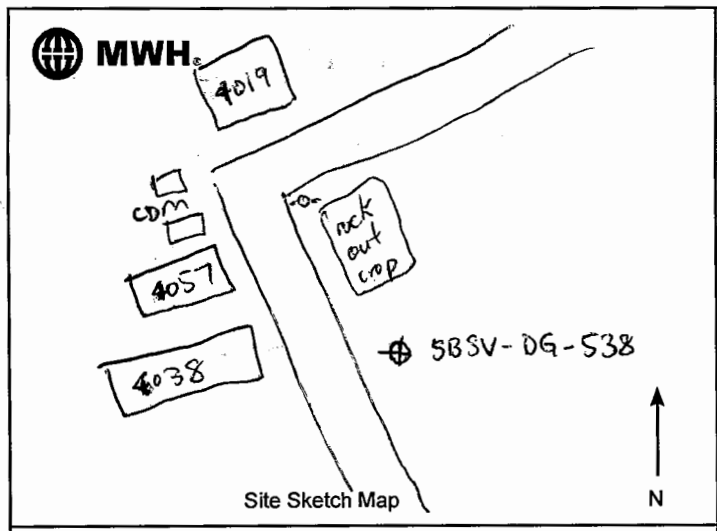
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Graded surface, grass	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0	X	18"	NONE	NONE	NONE	0	SW-SM	Well Graded Sand w/ Silt (@ SW-SM), brownish yellow (10YR 6/6), loose, dry, fine to coarse sand, non-plastic silt, non cemented, fill, no odors or staining,	-	10	30	50	10
	X	11JUN14				1							
						2	Br	Bedrock - Chatsworth Sandstone					
								TD=2.0' of 11JUN14					
						3		TD = 1.5', refusal on bedrock; No vapor probes installed and no soil samples collected.					
						4					Begin 09:41		
						5		Sample collected at 1.5-2.0' bgs in fill @ 10:02 6/11/14			End 09:58		
						6		SVL-536-SASB-SB-1.5-2.0					
						7		10 ulem, 18 cpm, 0.0 ppm					
						8		Stepped out 18" ENE of probes location to extract sample @ expected shallow refusal on sandstone bedrock					
						9							

MWH



Site Sketch Map

Boring ID: 5BSV-DG-538	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400/DP	
Sampler Type: Macro core	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 2.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0830/5-15-14	Drill Finish Time/Date: 0850/5-15-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 0850/5-15-14 Backfill Material: Soil Cuttings.
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Graded backfill

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
	X	24"				0	SM	Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non plastic silt, fill, roots, dried grass @1.5' yellow (10YR 7/8) iron staining	–	–	–	70	30
0.0	X		X	1	08:45	1	SP-SM		–	–	–	90	10
SVL-538-SA5B-SB-					~~2.0~~ ~~2.50~~ 1.5-2.0	2		Poorly graded Sand w/ silt (brownish yellow (10YR 6/6), loose, dry, fine sand, silt, weathered bedrock, native soil. @2' Bedrock, sandstone					
						3							
						4							
						5		TD= 2.0, refusal on bedrock, no probes installed, collect 3 encores 1.5-2.0 ft.					
						6		* Drilled 2 add'l borings E+W to confirm refusal w/ similar results					
						7							
						8							
						9							

QA/QC
Sur icial media boring log rev 2-25-2014

MWH

Boring ID: 5BSV-DG-543 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5B

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 2.5'

Drill Bit Type: Macrocore

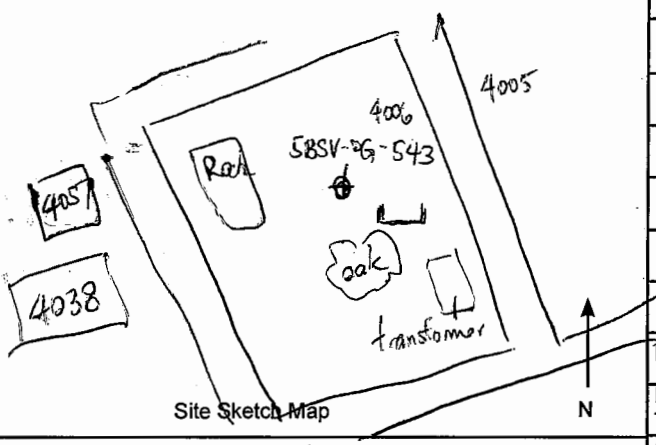
Drill Start Time/Date: 1335 / 5-14-14 | Drill Finish Time/Date: 1345 / 5-14-14

Soil Boring Backfill Time/Date: 1355 / 5-14-14 | Backfill Material: Soil Cuttings

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: None

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Vapor ID: N/A

Soil Vapor Well Completion Time/Date: N/A

Soil Vapor Probe Depths (ft.bgs): N/A

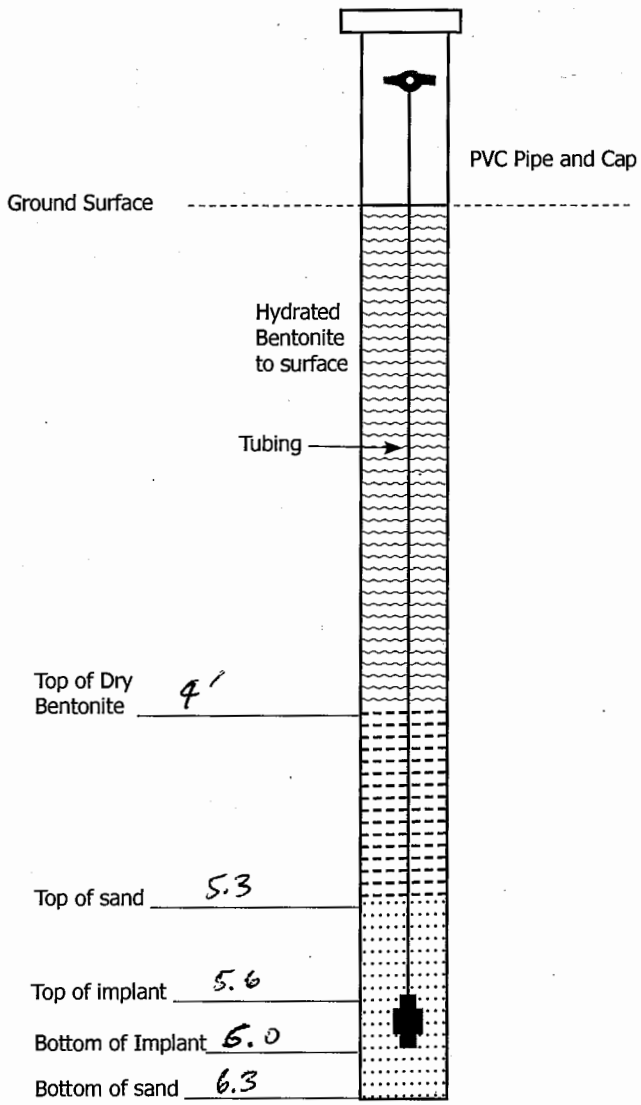
Soil Vapor Well Detail Completed (yes/no)

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	SM	Surface Description: weeds, mud cracks. Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine to medium sand,	-	-	20	55	25
0.0		30"				1		no odors or stains, fill					
	X		X			2		@1' color changes to brownish yellow (10YR 6/6)					
						3	B_r	Bedrock, Sandstone, weathered (Chatsworth Fm)					
						4		TD = 2.5', refusal on sandstone bedrock, no probes installed. Collect 3 encores and 4 oz jar.					
						5							
						6							
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-552
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 20
Site: 5B
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 6.5'
Probe Completion Date/Time: 1130/5-14-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

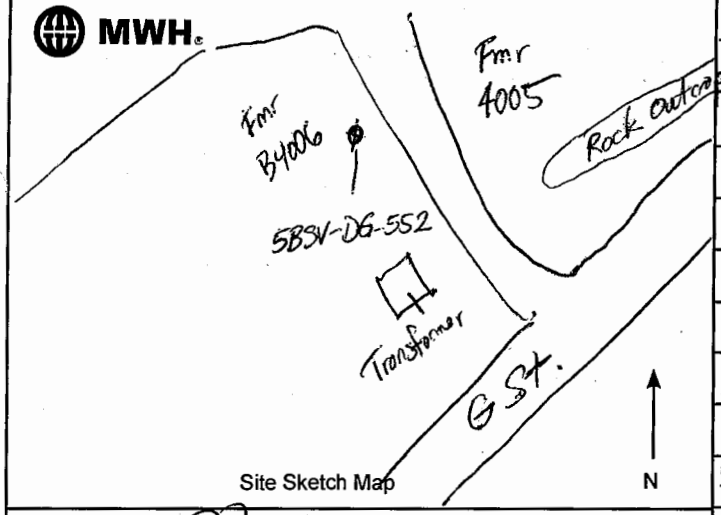
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-552 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 6.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1030 / (V.V.) 5-14-14 Drill Finish Time/Date: 1050 / 5-14-14

Soil Vapor ID: (V.V.) ~~N/A~~ 5BSV-DG-552

Soil Boring Backfill Time/Date: N/A Backfill Material: ~~Soil~~ cuttings ? N/A

Soil Vapor Well Completion Time/Date: (V.V.) ~~N/A~~ 1130 / 5-14-14

Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): (V.V.) ~~N/A~~ 5.3 - 6.3

Surface Completion: (V.V.) ~~None~~ Soil vapor probe

Soil Vapor Well Detail Completed (Yes/No): (V.V.)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0						0	FILL	Surface Description: Graded, Fmr B4006 Silt (ML), dark brown (10YR 3/3), med. dense, dry, low-plasticity silt, fine sand, no odors or stains, fill.	-	-	-	30	70
						1	SM	Silty Sand (SM), yellowish brown (10YR 5/4) loose, dry, fine to medium sand, low-plasticity silt, fill. ~~Slightly~~ clayey slightly	-	-	10	45 ~~45~~ (V.V.)	35/10
		48"	NONE			2							
						3							
						4		@3' minor ~~iron~~ staining (yellowish brown 10YR 5/6), (V.V.)					
		14"	(V.V.)		10:55	5	Br	@4' color changes to dark brown (10YR 3/3					
						6		@5' grades w/ red brick fragments (fill)					
						7		@5.2' Weathered bedrock, sandstone					
						8		TD = ~~5.2~~ 6.5', refusal on bedrock, ~~no~~ probes installed. ~~Collect soil samples at 4.5-5.0, @ 10:55~~ ?					
						9		Install probe @ 5.3 ~~6.5~~ 6.3 ft (covered-in) (V.V.)					

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Single Soil Vapor Probe Construction Diagram

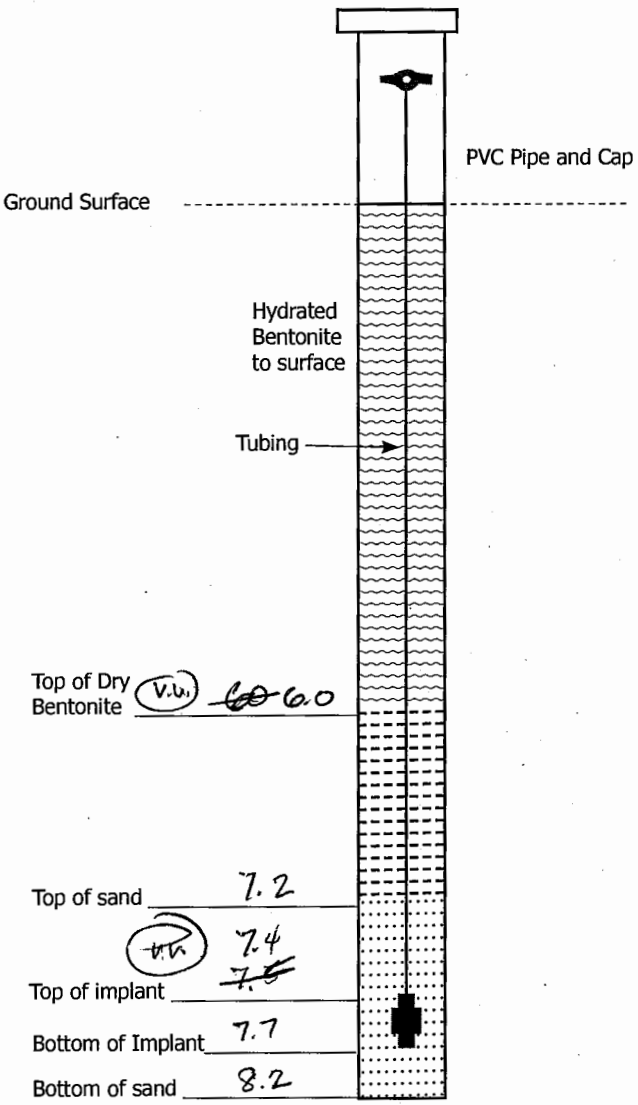
MWH

Probe ID/Soil ID: SBSV-DG-555 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8.25 | Probe Completion Date/Time: 1325/5-14-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

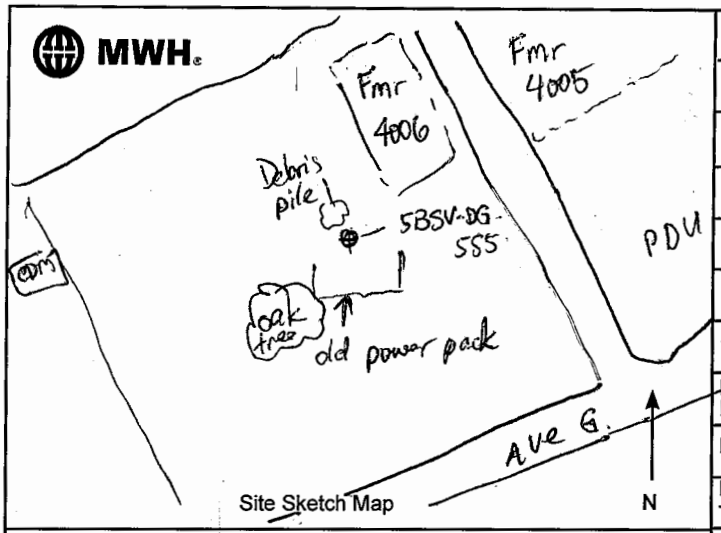
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-555	Sheet 1	of 1	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.25'		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 1240 / 5-14-14	Drill Finish Time/Date: 1315 / 5-14-14		
Soil Vapor ID: 5BSV-DG-555	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1325 / 5-14-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 7.2'-8.2'	Surface Completion: Soil vapor probe		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Unpaved Road.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0						0	SM	Silty Sand with Gravel (SM), pale brown (10YR 6/3), loose, dry, fine to coarse sand, fine angular to sub angular gravel (road base), non-plastic fines, no stains or odor, fill	10	5	20	30	35
		36"				2	SM	@2' grades w/o gravel	–	5	25	35	35
							SM	@2.5 no coarse or medium sand	–	–	–	60	40
						3							
								@ 3.75' ~~weak~~ brown stains (10YR 5/3)					
0.0						4							
						5		@5' grades to →	–	–	10	70	20
		48"				6							
						7		@7' - brownish yellow (10YR 6/6) iron staining					
		3"				8		@ 8.25' Sandstone, weathered. TD = 8.25' ft bgs; refusal on sandstone bedrock. Install vapor probe at 7.2-8.2' bgs					
						9							

QA/QC
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Single Soil Vapor Probe Construction Diagram

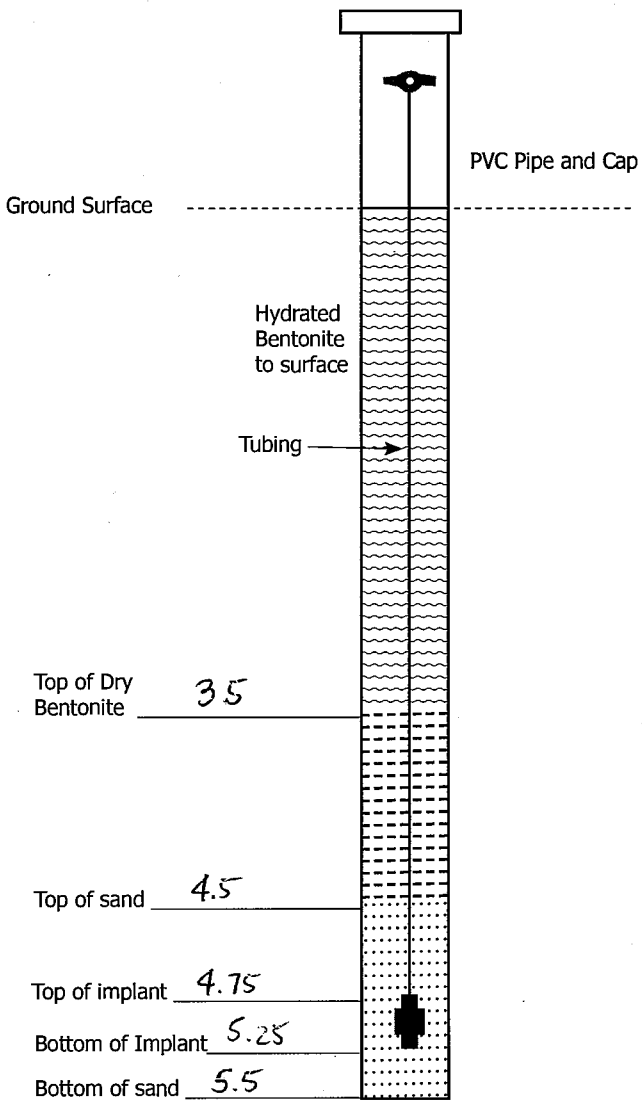
MWH

Probe ID/Soil ID: SBSV-DG-557 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA5B | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 9.0' | Probe Completion Date/Time: 1445 / 6-2-14 | Borehole Diameter: 2.25"



Vapor Implant Specs
- Material: Stainless Steel
- Length: 6"
- Diameter: 3/8"

Tubing Specs
- Material: Teflon
- Diameter: 1/4"
- Color: Clear

Sand Pack Specs
- Grain Size: #3
- Manufacturer: Cemex

Dry Bentonite
- Type: #8
- Manufacturer: Cetco

Hydrated Bentonite
- Type: #8
- Manufacturer: Cetco

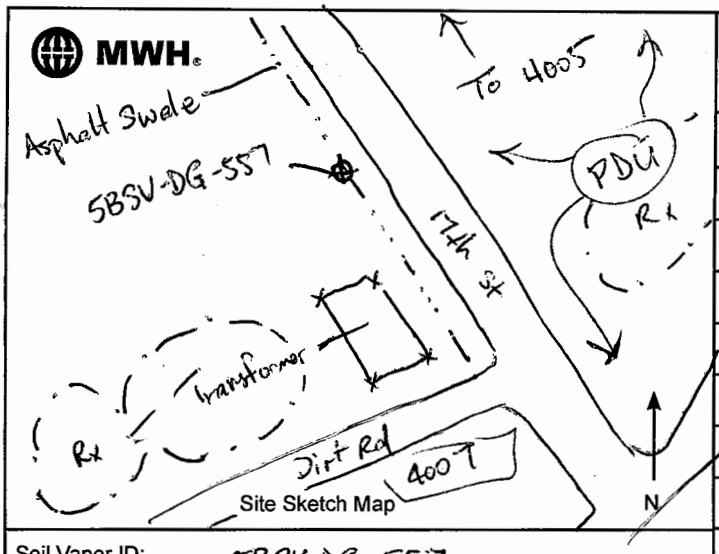
* Drilled into weathered bedrock (shale). Backfilled to bedrock / alluvium (fill) contact w/ medium chips. ↑ hydrated (V.V.)

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Boring ID: 5BSV-DG-557	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 9.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1410 / 6-2-14	Drill Finish Time/Date: 1430 / 6-2-14
Soil Vapor ID: 5BSV-DG-557	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 1440 / 6-2-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

Surface Description: In drainage swale (V.V.) asphalt

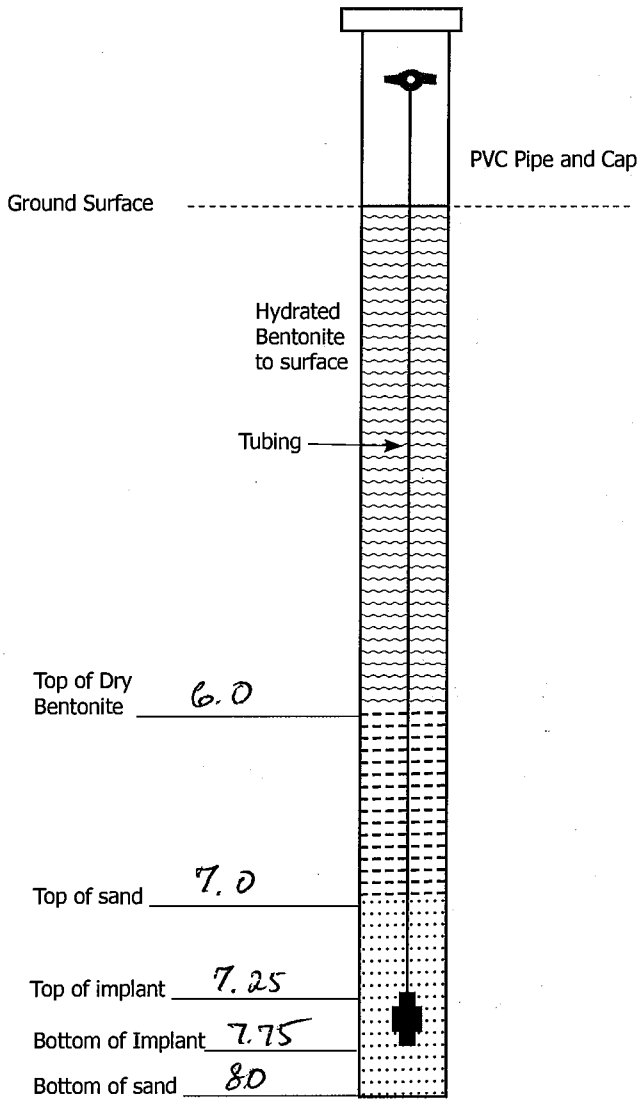
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	AF						
							SM	Asphalt 2"	--	--	--	60	40/
						1		Silty Sand (SM), dark brown (10YR 3/3),					
		42"	None					med. dense, dry, fine sand, non-plastic					
						2		silt, moderate silt cement, dark asphalt					
								staining; no odors, fill					
						3							
								@3.4 Poorly Graded Sand with Silt (SP-	--	--	--	80	20/
							SP-SM	SM), dark yellowish brown (10YR 4/6),					
						4		med. dense, dry, fine sand, non-					
								plastic silt, possibly native soil, no odors					
		30"	None			5		(V.V.) ~~stains~~ reddish yellow iron stain (5YR 7/8)					
							Br	@5.5 Weathered Shale.					
						6							
						7							
		24"	None			8							
						9		@9.0 Refusal in shale.					
								TD = 9.0, ~~refusal~~ refusal in bedrock.					
								Set probe above bedrock at 4.5-5.5. Backfill w/ med. chips					

4.5 - 5.5

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-560
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 20
Site: SB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 8.0
Probe Completion Date/Time: 5-14-14/1510
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

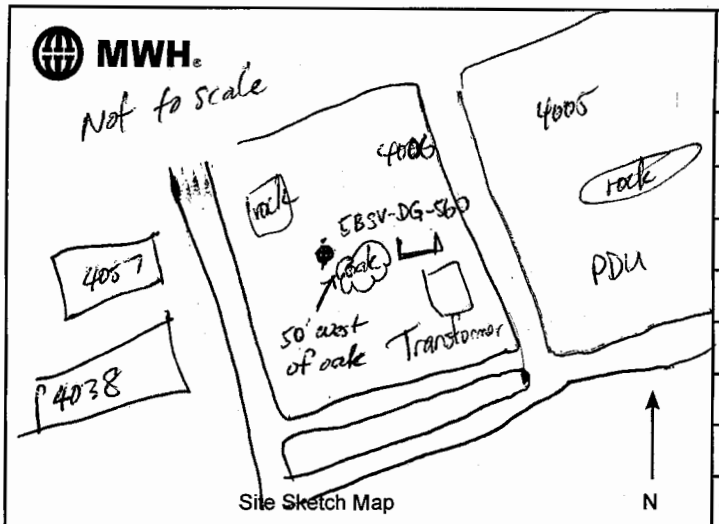
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV-DG-560	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1425 / 5-14-14	Drill Finish Time/Date: 1447 / 5-14-14
Soil Vapor ID: SBSV-DG-560-7.0-8.0	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 15:10 / 5-14-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: Backfill, shrubs Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, roots, fill	–	–	–	65	35/
		48"	NONE			1							
						2							
						3	SM-SC	Silty clayey Sand (SM-SC), brown (10YR 5/3), medium dense, dry, fine sand, low plasticity silt/clay, no odors (V.V.) or stains, fill	–	–	–	60	30/10
0.0						4		@ 4' color changes to light yellowish brown (10YR 6/4)					
						5	SM		–	–	–	70	30
		48"	NONE			6		@5' Silty (V.V.) Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, non cemented, fill, no odors (V.V.) or stains, reddish yellow (5YR 6/8) iron staining.					
0.0						7							
						8	Br	Sandstone, weathered, Chatsworth Fm					
						9		TD= 8.0 ft, refusal on bedrock, install vapor probe at 7.0-8.0 ft					

MWH

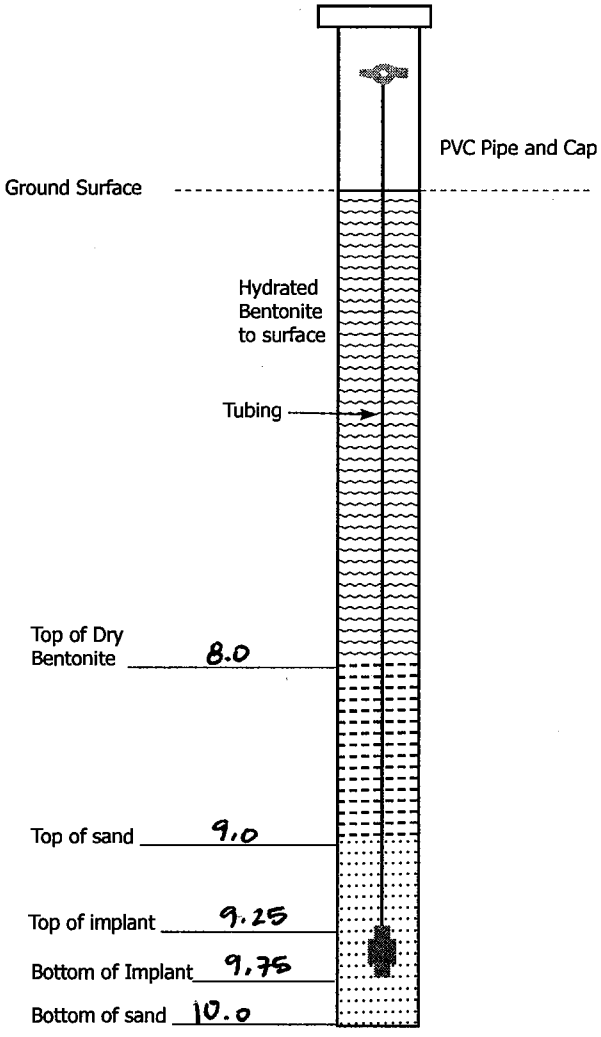
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DA-S01 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA SB | Reviewed by: | Logged by: ANDREW PAYNE

Drilling Contractor: EST | Rig Type/Method: GEOPROBE 5400 / D.P. | Driller: MARTIN KILPATRICK

Borehole TD: 10.0 | Probe Completion Date/Time: 6/10/14 1400 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

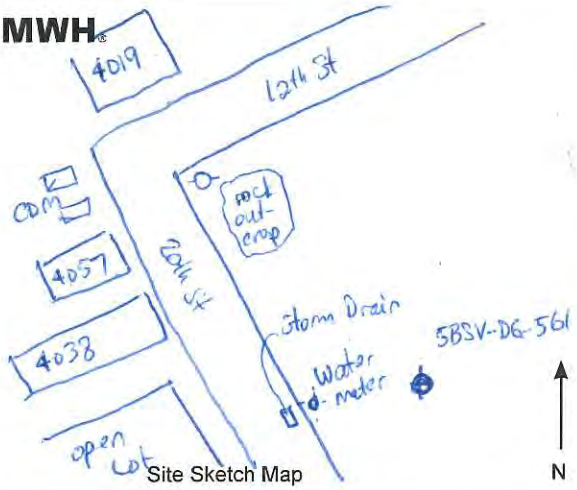
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-561	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 10.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1225 / 5-15-14	Drill Finish Time/Date: 1538 / 5-15-14
Soil Vapor ID: NONE	Soil Boring Backfill Time/Date: 1540 / 5-15-14 Backfill Material: Soil Cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no) N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Backfill, old leachfield

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand ~~w/ Clay~~ (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, roots, fill, ~~stiff clay~~ V.V.	-	-	-	~~60~~ 70	~~20/20~~ 30 V.V.
		48"	NONE			1							
						2		grades w/ clay, stiff - low plasticity, no roots, no odors	-	-	-	70	20/10
						3	GW ↑ 3.5'	Gravel (GW), light gray (10YR 7/1), fine to coarse, angular to subangular gravel, leach field.					
						4							
						5							
		24"	NONE			6		TD = 10.5' bgs, refusal on shale bedrock. Stepped out 3 times to east and encountered refusal between 1.5 - 2.0 ft. in Sandstone (i.e. not in leachfield)					
						7							
						8							
			NONE			9	SM	~~Clayey~~ Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt TO MED. DENSE (AP)	-	-	-	65	35
		12"				10							

Br @10.5 Shale bedrock ; ~3" WEATHERED SANDSTONE (AP)

6/10/14 @ STEPOUT SV PROBE INSTALL GRAVEL @ 5-6' (AP) @ 1330

QA/QC
Sur icial media boring log rev 2-25-2014

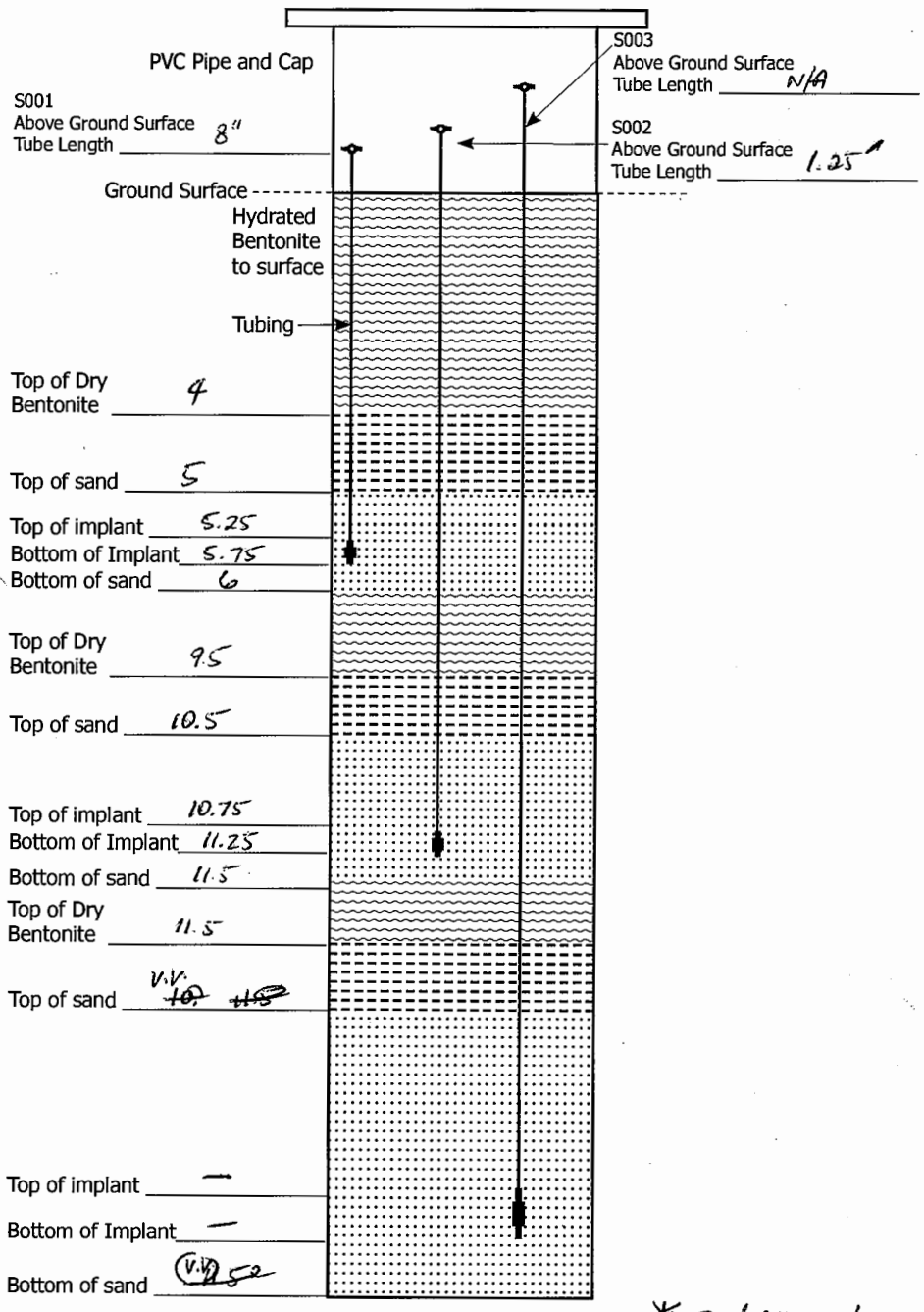
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-562
Site: 5B
Drilling Contractor: EST
Borehole TD: 12.5

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 5-15-14/10:50



* Backfill up to 11.5'

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH

Single Soil Vapor Probe Construction Diagram

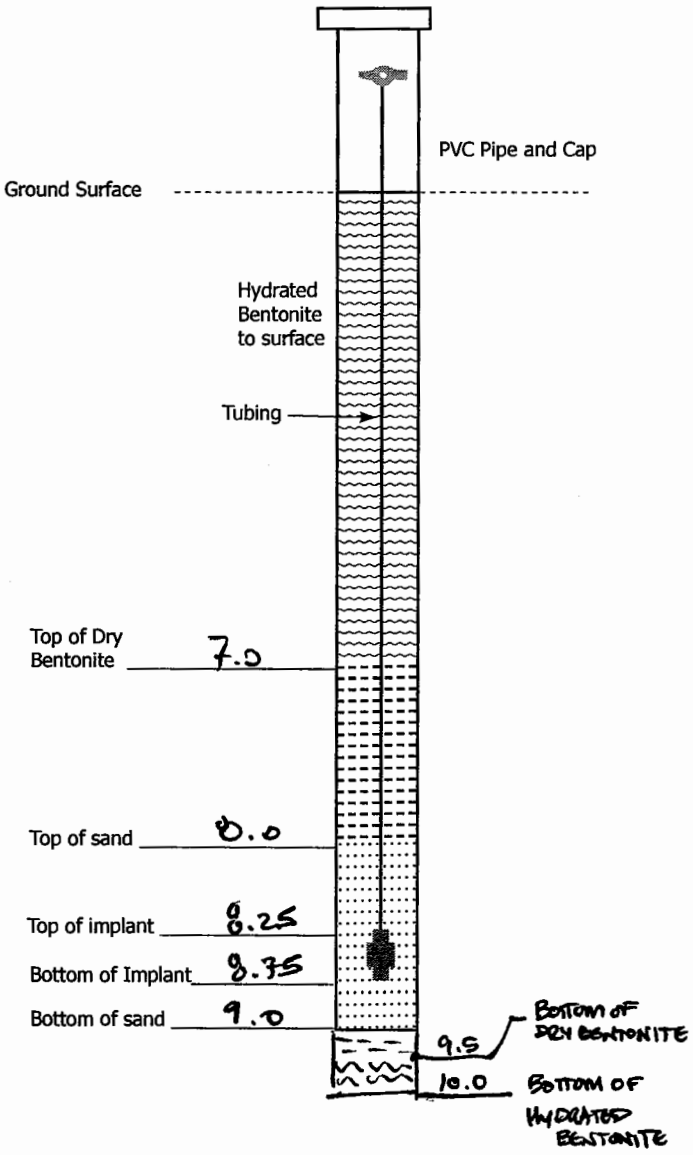
Probe ID/Soil ID: SBSV-DG-562 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA SB Reviewed by: Logged by: ANDREW PAYNE

Drilling Contractor: EST Rig Type/Method: GEOPROBE 6410 / D.P. Driller: MARTIN HANNIGAN

Borehole TD: 10' Probe Completion Date/Time: 6/10/14 1450 Borehole Diameter: 2.25"

(RE-INSTALL - 6/10/14)



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

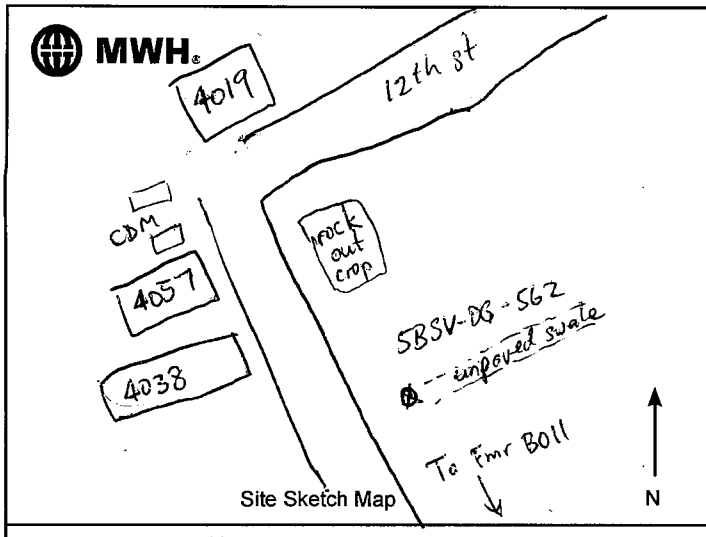
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV-DG-562	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 12.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0925 / 5-15-14	Drill Finish Time/Date: 1030 / 5-15-14
Soil Vapor ID: SBSV-DG-562	Soil Boring Backfill Time/Date: N/A Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 10:50 / 5-15-14	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.5-11.5	Surface Completion: Soil Vapor Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Unpaved Swale, weeds Silty Sand (SM), pale brown (10YR 6/3), med. dense, dry, fine to medium sand, low-plasticity silt, layered appearance, plastic shreds from ~~geosynthetic liner (?)~~, fill	-	-	10	55	35/
		48"	NONE			1							
						2		buried sandbags.					
						3	SM	Silty Sand w/ clay, brownish yellow (10YR 6/8), med. dense, dry, fine sand, low-plasticity fines, no anne plastic scraps, fill, no odors or stains	-	-	-	60	30/10
0.0						4							
						5							
		40"	NONE			6							
						7	SP-SM	Poorly graded Sand w/ silt (SP-SM), yellowish brown (10YR 5/8), loose, dry, fine sand,	-	-	-	90	10
0.0						8	CL	very low plasticity silt, no odors or stains, native soil					/100
						9	SP-SM		-	-	10	80	10
								Clay (CL), light brown (7.5 YR 6/3), stiff, moist, med-plasticity clay, native					

cont page 2

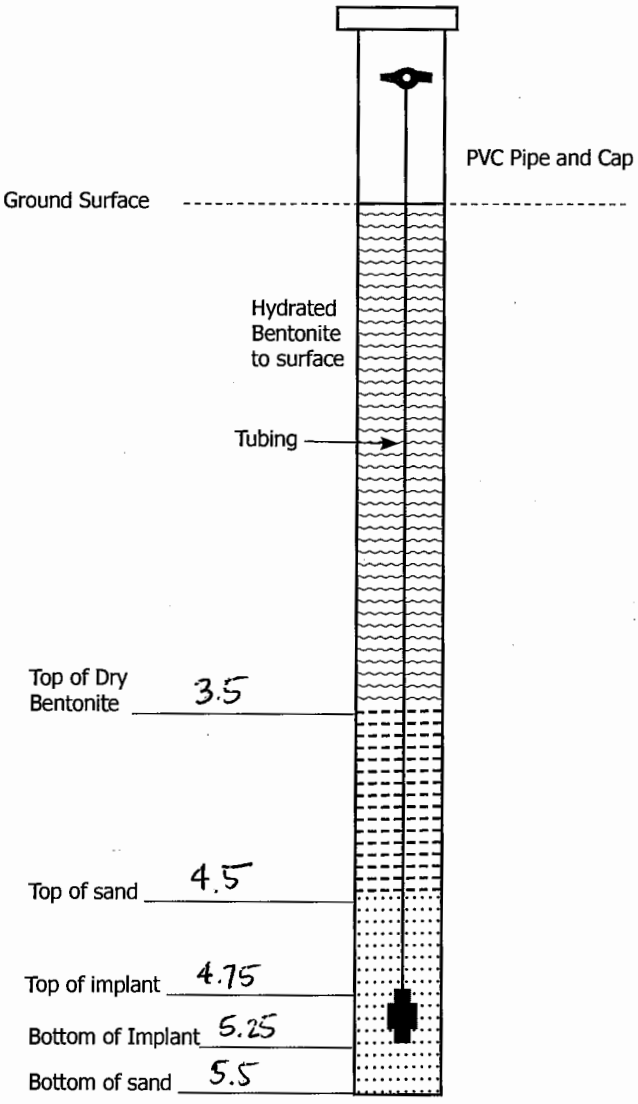
Boring ID: SBSV-DG-562 Project: DOE Phase 3 Soil Vapor DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
		12"	NONE			10	SP-SM	@ 8.5' Poorly Graded Sand w/ Silt (SP-SM), light yellowish brown (10YR 6/4) with brownish yellow (10YR 6/8) streaks (iron stain), fine sand, medium sand, non-plastic silt, [illegible]	-	-	-	65	10/25 ← @9.5
						11	SP		-	-	-	100	TR ← @10'
						12		@ 9.0 dark brown (10YR 3/3) stain					
						13		@ ~~10.5~~ 9.5 (VI) Clayey Sand (SC), very pale brown (10YR 7/4), med. dense, dry, fine sand, low plasticity fines, slightly layered, [illegible]					
						14		@ ~~11~~ 10 (VI) Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace silt, [illegible]					
						15		@ 12' Weathered Shale bedrock.					
						16							
						17		TD = 12.5' on weathered shale bedrock, install vapor probes at 5.0-6.0 and 10.5-11.5' bgs. Adjusted depths to (VI) avoid clay layers.					
						18							
						19							
						20							
						1		6/10/14					
						2		- STEPOUT ~2' NE OF ORIGINAL INSTALL; SV PROBE INSTALLED @ 8.0-9.0'.					
						3		- SAMPLE COLLECTED @ 8.0-9.0' SVL-562-SAEB-SB-8.0-9.0@1145					
						4		TD ON STEP @ REFUSAL OF 10'					
						5		- WEATHERED SHALE & CLAY @ 9-9.5' AND WEATHERED BR/SHALE @ 9.5-10'.					
						6		LOG FROM PREVIOUS INSTALL SAME FROM 0-8'; SP @ 8-9'.					
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-~~63~~ 563 (V.V)
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SB
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 5.5
Probe Completion Date/Time: 5-15-14 / 12:25
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

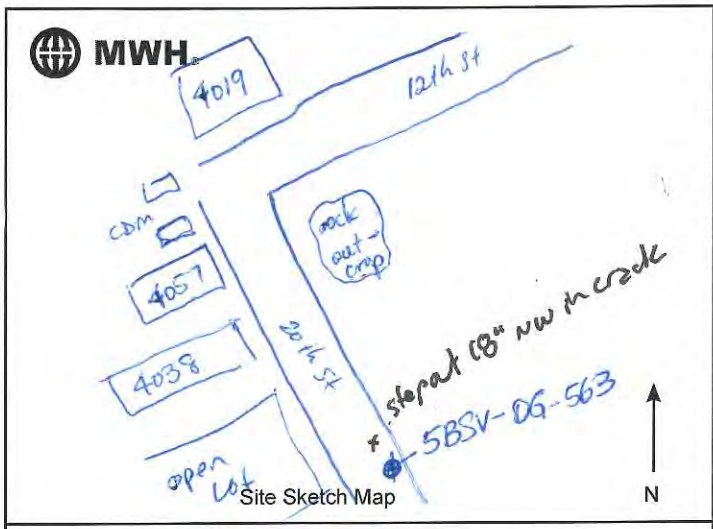
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-563	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1139 / 5-15-14	Drill Finish Time/Date: 1200 / 5-15-14
Soil Vapor ID: 5BSV-DG-563	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 12:25 / 5-15-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5	Surface Completion: Soil Vapor Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Asphalt swale

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	AF	0.3' (4") Asphalt	60	20 ~~30~~ (V.V.)	20	10	TR
							GW-SW	Gravel w/ Sand (GW-SW), greenish gray (5GY	–	–	–	80	20
						1	SM	5/1), med. dense, moist, fine angular					
		48"	NONE					gravel, coarse to fine sand, trace silt,					
						2		Road base, slight asphalt staining, no					
								odors w/silt SP-SM 4.0-5.2	–	–	20	60	20
						3		@0.6' Silty Sand (SM), brownish yellow (10					
0.0								YR 6/6), ~~soft~~ (V.V.) loose, dry, fine sand, non-					
						4		plastic silt, no stains or odors, fill.					
		18"	NONE										
						5							
0.0							@5	Grades w/ yellow (10YR 7/8) iron staining					
							Br	@5.5 Sandstone, weathered.					
						6							
								TD = 5.5ft, refusal on sandstone. In-					
						7		stall vapor probe at 4.5-5.5 ft					
11JUN14								@ 6/11/14 collected 0834					
						8		• Sample SVC-S63-SASB-SB-4.5-5.0					
								12μRem, 84cpm, 0.0ppm					
						9		• No probe set.					
								TD ≈ 8.0' bgs in weathered					
								bedrock					

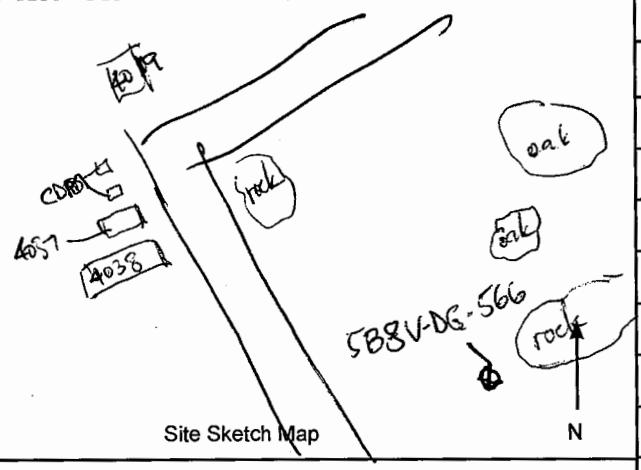
Bedrock @ 5.0-8.0. w/ shale interbed @ 5.2' bgs; relict 45° bedding in weathered sandstone

Begin boring 07:52

End boring 08:22

QA/QC
Sur icial media boring log rev 2-25-2014

MWH.



Site Sketch Map

Boring ID: 5BSV-DG-566	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 2.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1440 / 5-15-14	Drill Finish Time/Date: 1458 / 5-15-14
Soil Vapor ID: None	Soil Boring Backfill Time/Date: 1500/5-15-14 Backfill Material: Soil Cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no) N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Gravel, dried grass.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
	X					0		Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt	–	–	–	70	30
	X	30"	V.V. ~~No~~			1							
	X		X		14:58	2							
	SVL-566-SA5B-5B-20-25					3	Br	@25' Sandstone, weathered, Chatsworth formation					
						4		TD = 2.5, refusal on sandstone bedrock. collected encores for lab analysis.					
						5							
						6							
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

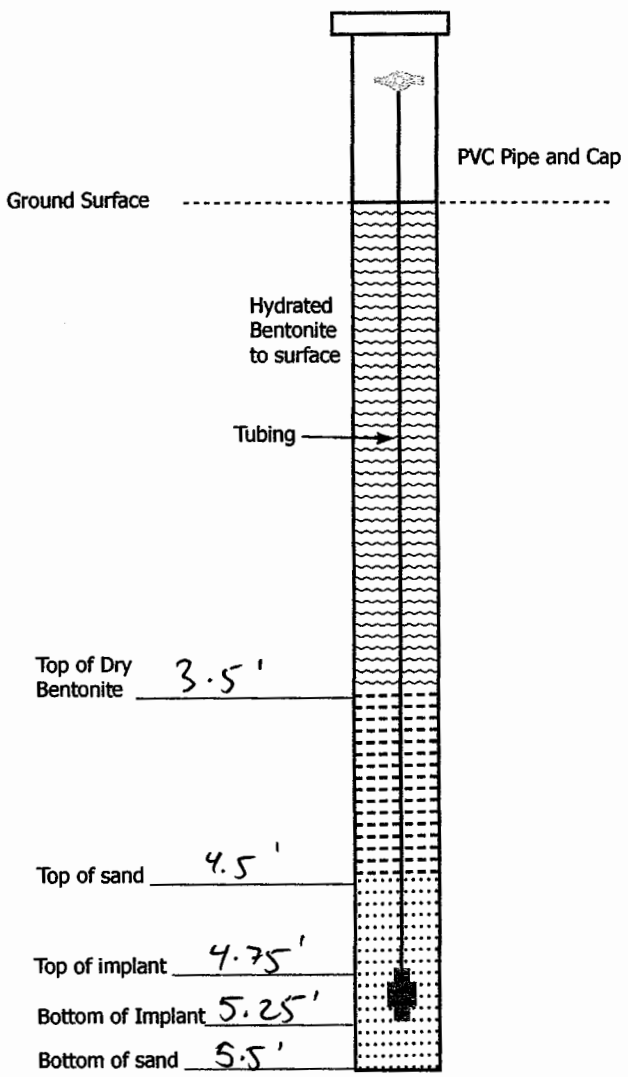
MWH

Probe ID/Soil ID: SBSVDG-567 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB Reviewed by: Logged by: RWELLS

Drilling Contractor: EST Rig Type/Method: GEOPROBE 5400 Driller: MATT KILHULLEN

Borehole TD: 5.5' bgs Probe Completion Date/Time: JUN 14, 15:20 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Lonex

Dry Bentonite

Type: #8 crumble

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumble

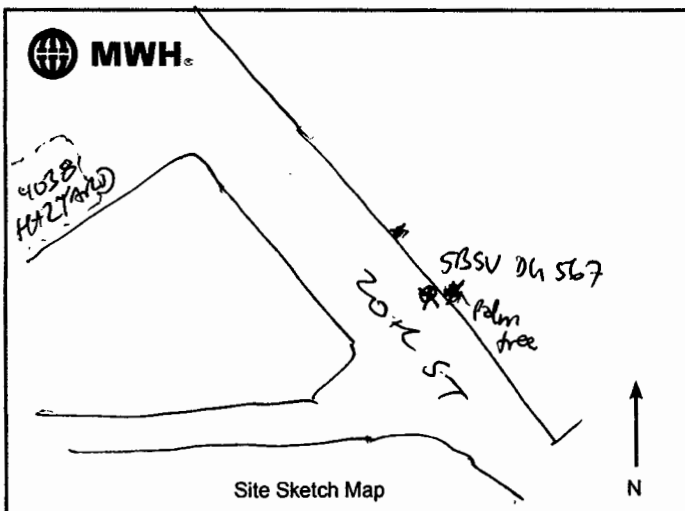
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV DG-567	Sheet 1	of 1	
Project: Phase 3 DOE SVDG 2014			
Job #: 10503982.3050106	Site: SB		
Logged By: RWB ELLIS	Reviewed By:		
Drilling Contractor: EST	Drillers Name: MARTY KICHMILLER		
Drill Rig Type/Method: GEOPROBE 5400			
Sampler Type: MACRO CORE			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5.5'		
Drill Bit Type: MACROCORE			
Drill Start Time/Date: 15:00 02JUN14	Drill Finish Time/Date: 15:16 02JUN14		
Soil Vapor ID: SBSV DG-567	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 02JUN14, 15:26	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5	Surface Completion: Asphalt / SV. Robe		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Asphalt swale					
		48"				0		4" Asphalt					
								0.0 - 0.5					
						1		Silty sand (sm); brown (10YR 4/3), very loose, dry, Predominant fine sand (60), little silt (25), few med. sand (10), No stain, no odor, Fill, There are gravels that are asphalt.	—	—	10	65	25
						2	SM						
						3							
						4		0.5 - 4.0					
		18"						Silty sand (sm), very dark gray (10YR 3/1), med. dense, dry, low plastic. Predominant fine sand (60), some silt (40), TR coarse & med grain sand, NO stain no odor, Fill	—	TR	TR	60	40
						5	SM						
							SP						
						TD							
						6		4.0 - 5.0					
	TD = 5.5' bgs												
	Refusal on sandstone bedrock					7		Silty sand (sm), dark yellowish brown (10YR 4/6) similar to above w/ gradational color change and less silt, roots,	—	10	60	30	
						8							
								5.0 - 5.5					
						9		poorly graded sand (SP), yellowish brown (10YR 5/4), loose, moist, Predominant fine sand (80), few med sand (10), few silt (10), No stain, no odor, Native.	—	—	10	80	10

QA/QC
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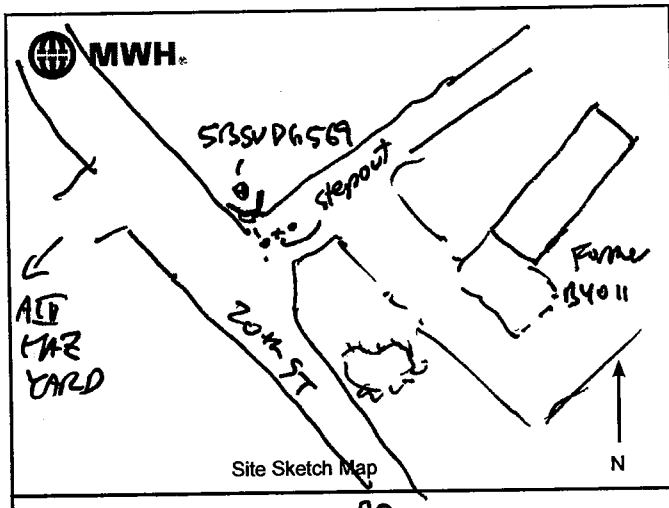
MWH



Site Sketch Map

Boring ID: SBSVDG569 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SB

Logged By: RWB Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: Gilbert Dickason

Drill Rig Type/Method: Geoprobe / Manual Auger

Sampler Type: Bucket auger / grab

Borehole Diam (inch): 3-5" Total Depth (ft.bgs): 3.1' bgs

Drill Bit Type: Bucket auger

Drill Start Time/Date: 09:01 11 JUN 14 Drill Finish Time/Date: 09:19 11 JUN 14

Soil Boring Backfill Time/Date: 09:24 11 JUN 14 Backfill Material: soil cuttings

Soil Vapor ID: NA

Soil Vapor Well Completion Time/Date: N/A

Soil Vapor Probe Depths (ft.bgs): N/A

Soil Vapor Well Detail Completed (yes/no) N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: none

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: concrete in swale	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0 ppm		38"				0		8" of concrete.					
						1		Bedrock @ 10" bgs.					
								shale, (2.5Y 4/4) olive brown					
						2		heel ~ 2" into weathered					
								bedrock, sandstone,					
						3		yellowish brown (10YR 5/6).					
								Refusal and TD @ 3.1'					
								bgs.					
Begin 10:47, End 10:52						4		Confirmed w/ second buried.					
Stepout to SE, ~5.0'								Concrete hole, ~1' Ø.					
Fill to 3.0' bgs						5							
Sample at 2.5-3.0'								+ weathered sandstone is fine -	~	10	20	60	10
bgs						6		medium grained, decomposed (WS)					
SBSV-569-SB55-SB-25-3.0								very weak (R1), soft (H6), w/					
@ 10:54						7		oxide staining					
0.0 ppm, 0.0 ppm, 0.0 ppm						8		• No sample taken					
Refusal @ 3.5' bgs								• No probes installed					
on weathered sandstone										Stepout			
Fill is 10YR 4/6 yellowish brown poorly sorted sand w/ silt (SP-SM)								TD = 3.1' bgs; in bedrock	~	~	15	65	20
								Bedrock @ concrete interface					

QA/QC

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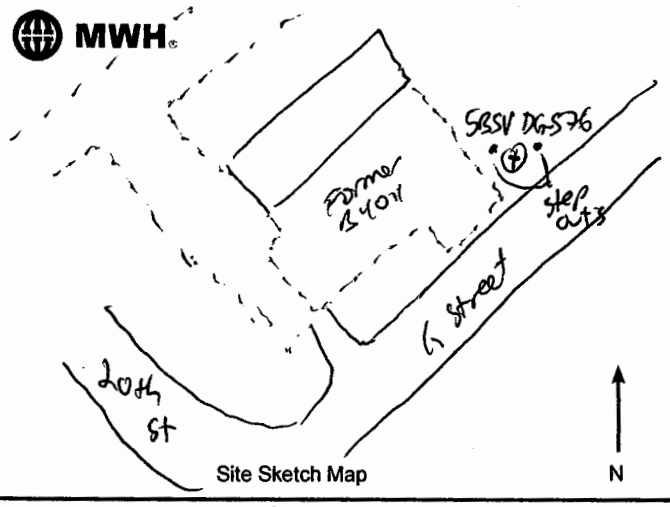
TD = 3.5' bgs

MWH



Site Sketch Map

Boring ID: SBSVDG-576 Sheet 1 of 1

Project: Phase 3 DOE SVDG 2014

Job #: 10503982.3050106 Site: SB

Logged By: Rob Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: Marty McMullen

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: MACRO CORE

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 4.3'

Drill Bit Type: MACRO CORE

Drill Start Time/Date: 11:50 02 JUN 14 Drill Finish Time/Date: 12:26 02 JUN 14

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 02 JUN 14 13:30 Backfill Material: soil cuttings

Soil Vapor Well Completion Time/Date: NA

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: soil cuttings / bentonite seal

Soil Vapor Well Detail Completed (yes/no) N/A

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description (SOIL)
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: SOIL, MUSTARD, HYDRATED

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		48"				0	SM	0.0 - 1.0 Silty sand (SM) dark yellowish brown (10YR 4/4), loose, dry, Predominant fine sand (65), some silt (30), few medium sand (5) No stain, no odor, Fill material.	-	-	5	65	30
		4"			TD 4.3	4	SP	1.0 - 4.0 Silty sand (SM) dark yellowish brown (10YR 4/6), loose, dry Predominant fine sand (60), some silt (40) and trace medium sand. No stain, no odor. Fill. Transitions to silty sand with 55% fine sand - 35% silt and 10% medium sand at 2.5' bgs, same color 4.0 - 4.3	-	-	10	60	40
0.0 ppm	SVI-576-SBSB-5.0-4.3					5							
	13 mTorr, 54 cpm												
	TD = 4.3 bgs on sandstone bedrock					6							
						7							
	Backfill w/ soil cuttings @ 13:30					8							
						9		Poorly sorted sand (SP) lite yellow brown, loose, dry Predominant fine Sand (45), some coarse sand (40), few coarse sand and Silt (5) - No stain, no odor. Native	-	10	40	45	5
	Steps out to NE/NW to confirm TD												

QA/QC

MWH

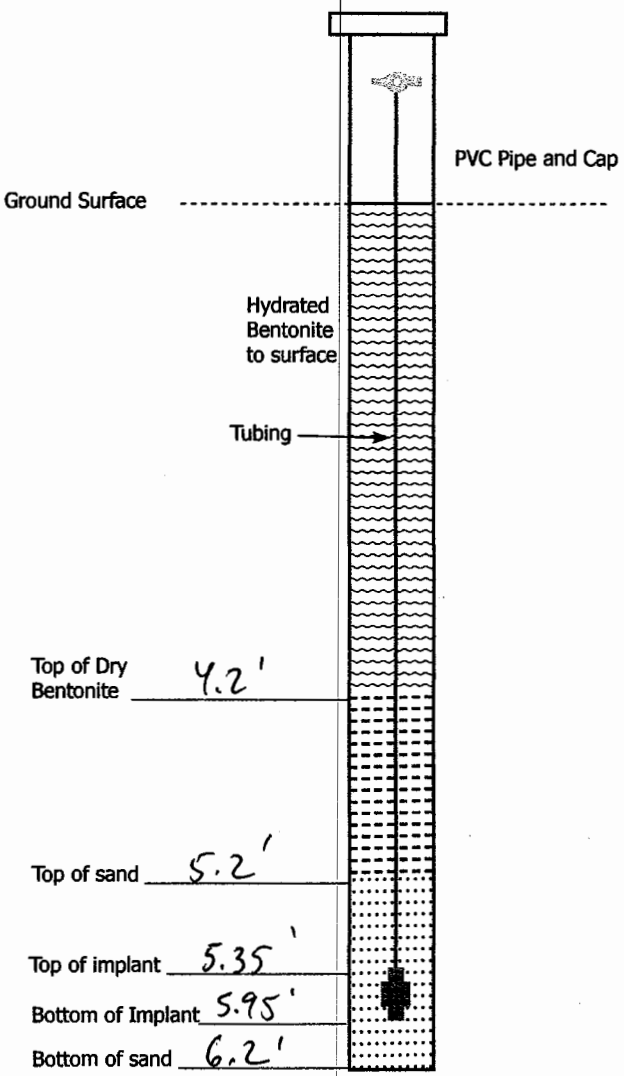
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV DG-577 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB | Reviewed by: | Logged by: RMB Ecics

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/ Hand Auger | Driller: MARTY KILHULLEN

Borehole TD: 6.2' bgs | Probe Completion Date/Time: 04JUN14, 08:50 | Borehole Diameter: 3.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 Sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

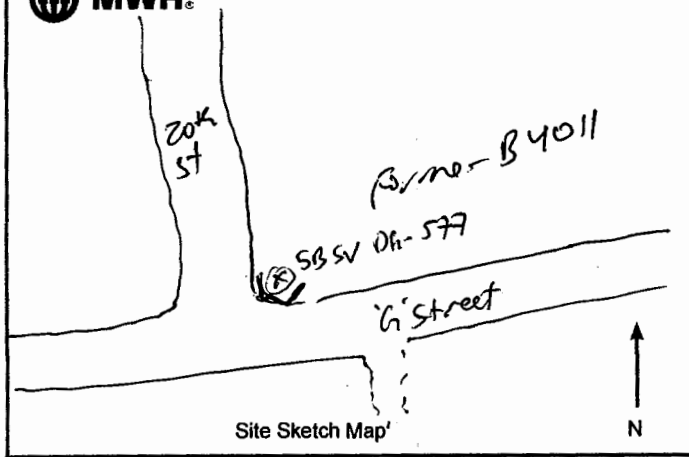
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: SBSV DG-577	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3060706	Site: SB
Logged By: Robeuis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHOLCEO
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Hand Auger	
Borehole Diam (inch): 3.25"	Total Depth (ft bgs): 6.2'
Drill Bit Type: Bucket	
Drill Start Time/Date: 04JUN14	Drill Finish Time/Date: 04JUN14
Soil Vapor ID: SBSV DG-577	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 04JUN14, 08:50	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.2' - 6.2'	Surface Completion: SV probe
Soil Vapor Well Detail Completed (yes/no): attached	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: culvert / concrete

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm						0		0 - 0.8' bgs = concrete					
						1	ML CL	0.8 - 2.5 silt/silt sand, clay/clay sand (ML-CL) Brown (10YR 4/3). moist, stiff, slow ~~rapid~~ dil., v. high dry, med tough med. plastic. Mostly fines (60%), fine sand (40). No stain, no odor fill material. Some base gravels (1-3 piece).	-	-	-	40	60
0.0 ppm						3	ML CL	2.5 - 4.5 silt/silt sand, clay/clay sand (ML-CL). dark yellowish brown (10YR 4/4). moist stiff, rapid dil., high dry, med tough med plastic. Mostly fines (55), some fine sand (45). No stain, no odor, Fill.	-	-	-	45	55
			5.3 5.8			5	SM						
Sample SVL-577-SASB-5.3-5.8 @ 08:40					6.2	6	SP						
0.0 ppm	12 µRem, 42 cpm					7		4.5 - 6.0 Silty sand (SM) light olive brown (2.5Y 5/4), moist, med dense, mostly fine sand (60) some silt (35) few med sand (5). No stain no odor. Shale fragments + $CaCO_3$ (caliche). Violent effervescent. Native	-	-	5	60	35
• TD = 6.2' bgs on sandstone bedrock						8							
						9							

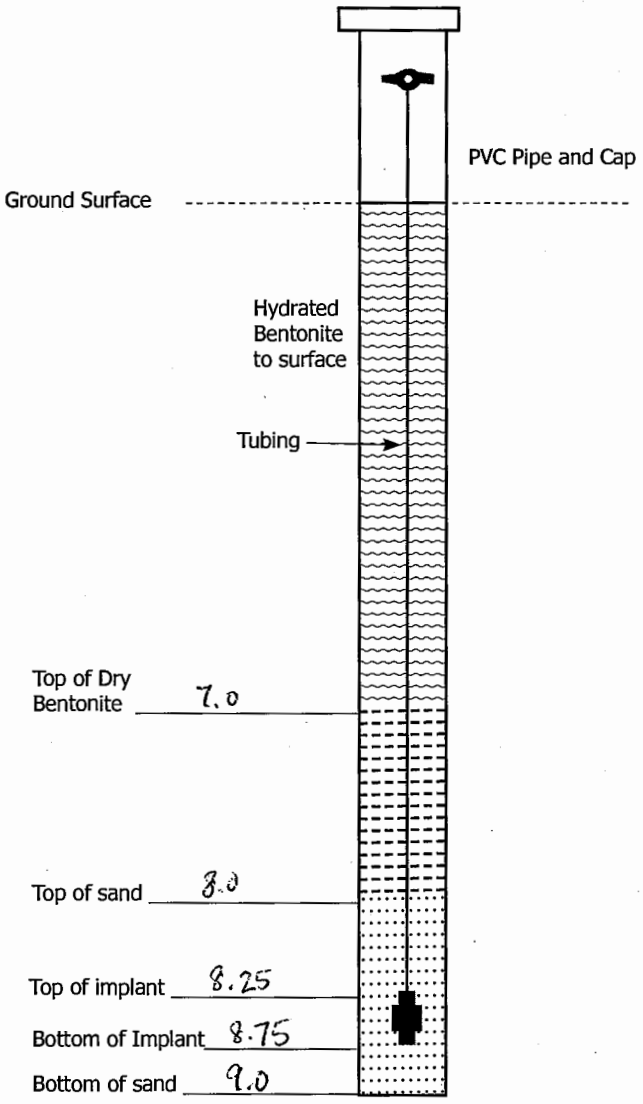
6.0 - 6.1 poorly sorted sand (SP) - light yw brown to yw brown (10YR 4/4 - 4/6) mostly fine sand (70) little medium sand (20) few silt (10). No stain, no odor.

QA/QC
Surficial media boring log rev 2-25-2014

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-578
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: 5B
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 9.0
Probe Completion Date/Time: 825/6-3-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

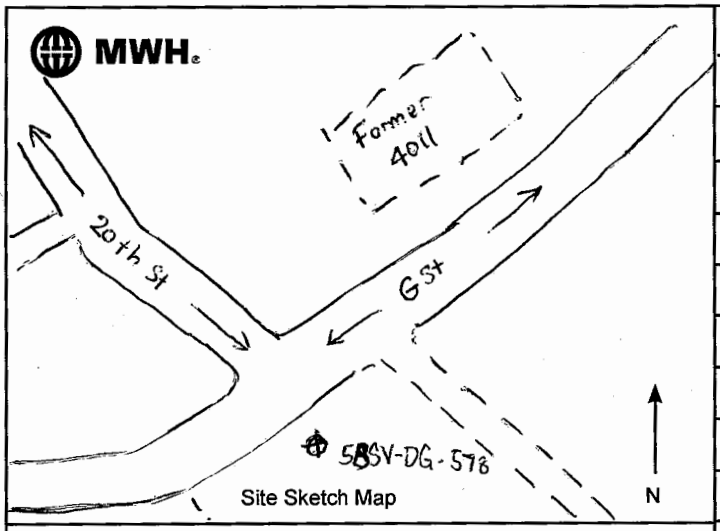
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV-DG-578 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SB

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 9.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0745 / 6-3-14 | Drill Finish Time/Date: 0805 / 6-3-14

Soil Vapor ID: SBSV-DG-578

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0825 / 6-3-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 8.0-9.0

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Hummocky Area

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM-GW	Silty Sand w/ Gravel (SM-GW), yellowish brown (10YR 5/6), loose, dry, fine to coarse sand, fine angular gravel, grass roots at surface, fill	10	10	25	35	20/
		45"	NONE			1							
						2	SM	@1.7 Silty sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no odors or stains, fill.	-	-	-	65	35/
0.0						3							
						4		*** TD=9.0, refusal on bedrock. Install probe 8.0-9.0					
						5							
		46"	NONE			6							
						7		grades with trace clay, fill					
						8	SP	Poorly Graded Sand (SP), brownish yellow (10YR 6/6), loose, dry, fine sand, trace silt, no odors, no stains, native soil	-	-	-	100	TR/
0.0		12"	NONE			9	Br	@9' Sandstone, weathered.					

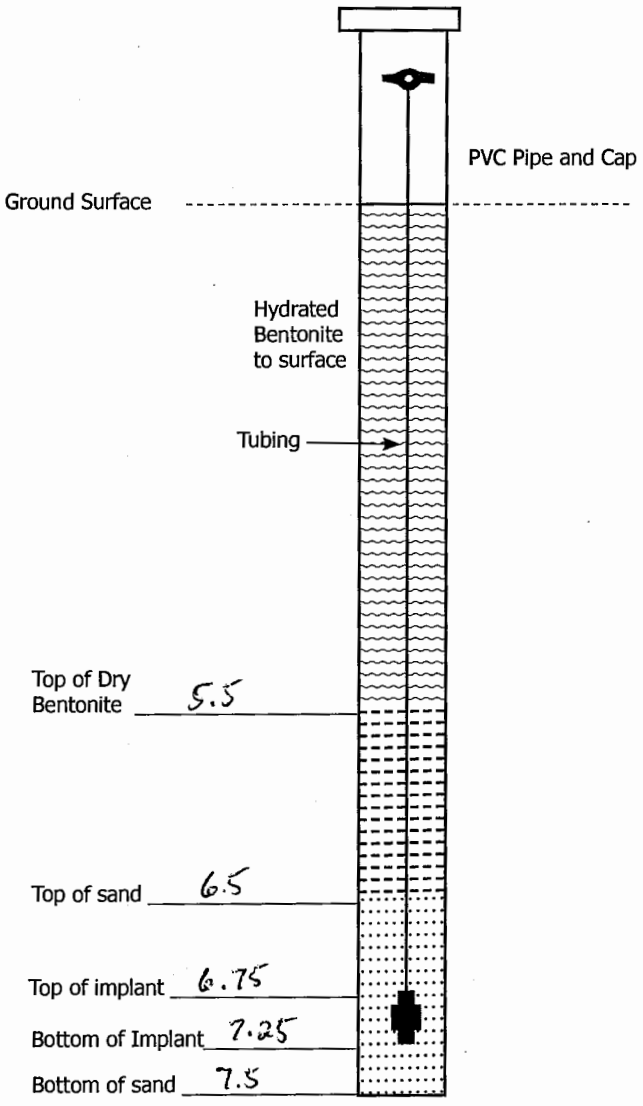
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-579 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SB | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.5' | Probe Completion Date/Time: 0900/6-3-14 | Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: # 3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

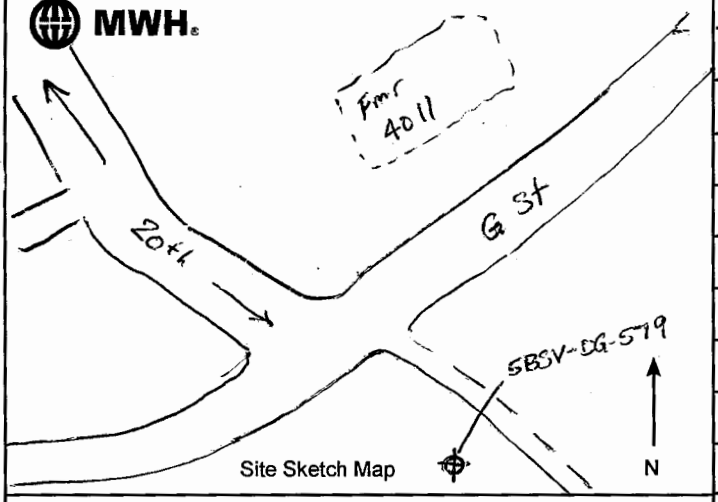
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5BSV-DG-579 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5B

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25 Total Depth (ft.bgs): 7.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 0835 / 6-3-14 Drill Finish Time/Date: 0845 / 6-3-14

Soil Vapor ID: 5BSV-DG-579

Soil Boring Backfill Time/Date: N/A Backfill Material:

Soil Vapor Well Completion Time/Date: 0900 / 6-3-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.5-7.5

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Small man made ridge Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, silt, friable, no staining, no odors, few roots	-	-	-	65	35
		40"	NONE			1							
						2							
						3							
2.0						4							
						5	SM	Changes to yellowish brown (10YR 5/4), mostly fine sand, less silt, possibly native soil (little to no change to refusal) (V.U)	-	-	-	80	20
		36"	NONE			6							
0.0						7	SP-SM	Poorly Graded Sand w/ Silt - native	-	-	-	90	10
						8	Br	Sandstone, weathered TD = 7.5, refusal on bedrock; Install probe at 6.5-7.5					
						9							

Single Soil Vapor Probe Construction Diagram

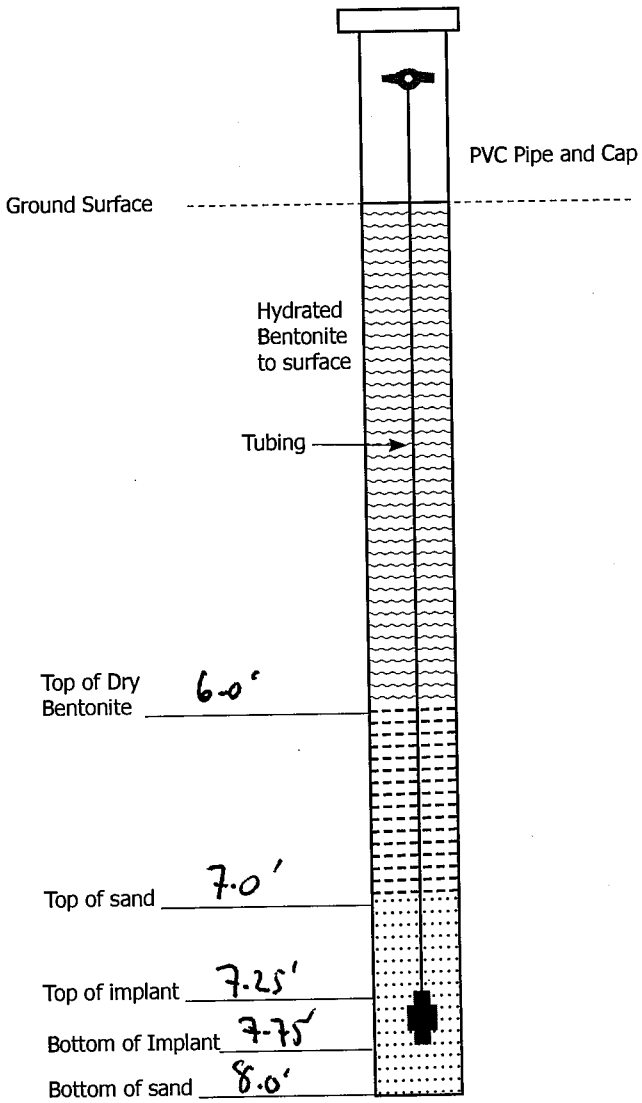
MWH

Probe ID/Soil ID: SBSV_DG-580 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 201

Site: SB Reviewed by: _____ Logged by: R. ELLIS

Drilling Contractor: EST Rig Type/Method: HAND AUGER Driller: MORGAN HUGHES

Borehole TD: 8.3' bgs Probe Completion Date/Time: 11 JUN 14, 14:18 Borehole Diameter: 3.5"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

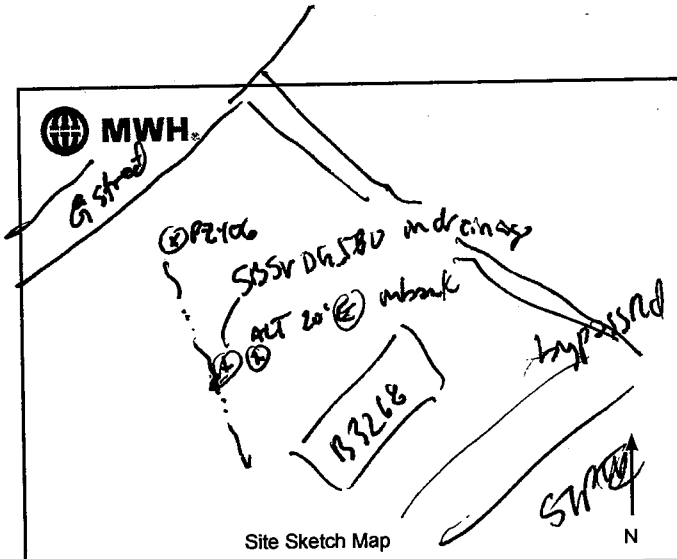
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV_DG-580	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SB
Logged By: ROBELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: HAND AUGER	
Sampler Type: BUCKET AUGER GRAB	
Borehole Diam (inch): 3.5"	Total Depth (ft.bgs): 8.3'
Drill Bit Type: BUCKET AUGER	
Drill Start Time/Date: 13:31 11JUN14	Drill Finish Time/Date: 14:08 11JUN14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: SV probe	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID:	SBSV_DG-580
Soil Vapor Well Completion Time/Date:	11JUN14; 14:18
Soil Vapor Probe Depths (ft.bgs):	7.0'-8.0'
Soil Vapor Well Detail Completed (yes/no)	attached

Soil Description metal debris / concrete mud / plaster

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: grassy loats.

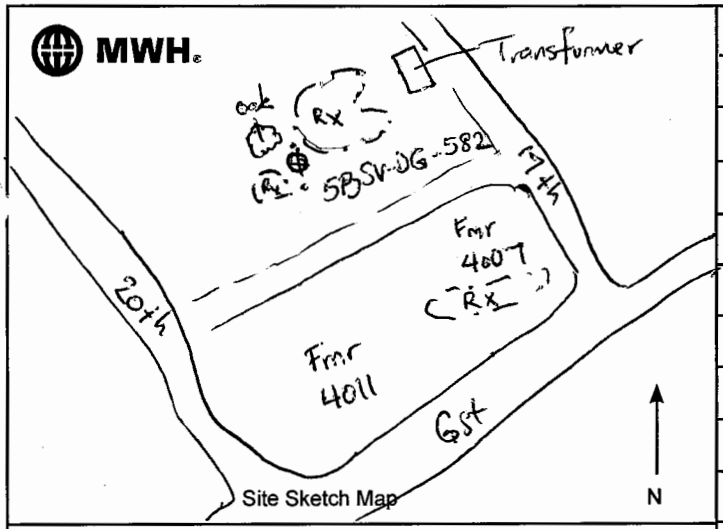
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm						0		0.0 – 0.9 Silty sand (sm) brown (10YR 4/3) very loose, dry. Mostly fine sand (55), some silt (35), few med sand (10). Some root material. No stain, no odor FILL	-	-	10	55	35
	to 8.3' bgs					1							
						2							
						3		0.9 – 3.5 Silty sand (sm), brown (10YR 4/3), loose, slightly moist. Mostly fine sand (60), some silt (35), and few medium sand (5). No stain, no odor, Fill	-	-	5	60	35
						4							
						5		3.5 – 8.0 Silty sand (sm). yellowish brown (10YR 5/4). Mostly fine sand (60), little silt (30), few med sand (10). loose, slightly moist, no stain, no odor. Fill / possible native	-	-	10	60	30
	TD = 8.3' w/ refusal on sandstone bedrock					6							
						7							
	Used ALT location outside of drainage; ≈ 20' E on Fill terrace					8		8.0 – 8.3 weathered sandstone; brownish yellow (10YR 6/8). Decomposed (W5) very weak (M) soft (H6). silt fraction is 25-30%					
						9							

TD – 8.3

QA/QC
Surficial media boring log rev 2-25-2014

582 (V.V.)

MWH



Site Sketch Map

Boring ID: SBSV-DG-584	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 1.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1340 / 6-2-14	Drill Finish Time/Date: 1353 / 6-2-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1400 / 6-2-14 Backfill Material: soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

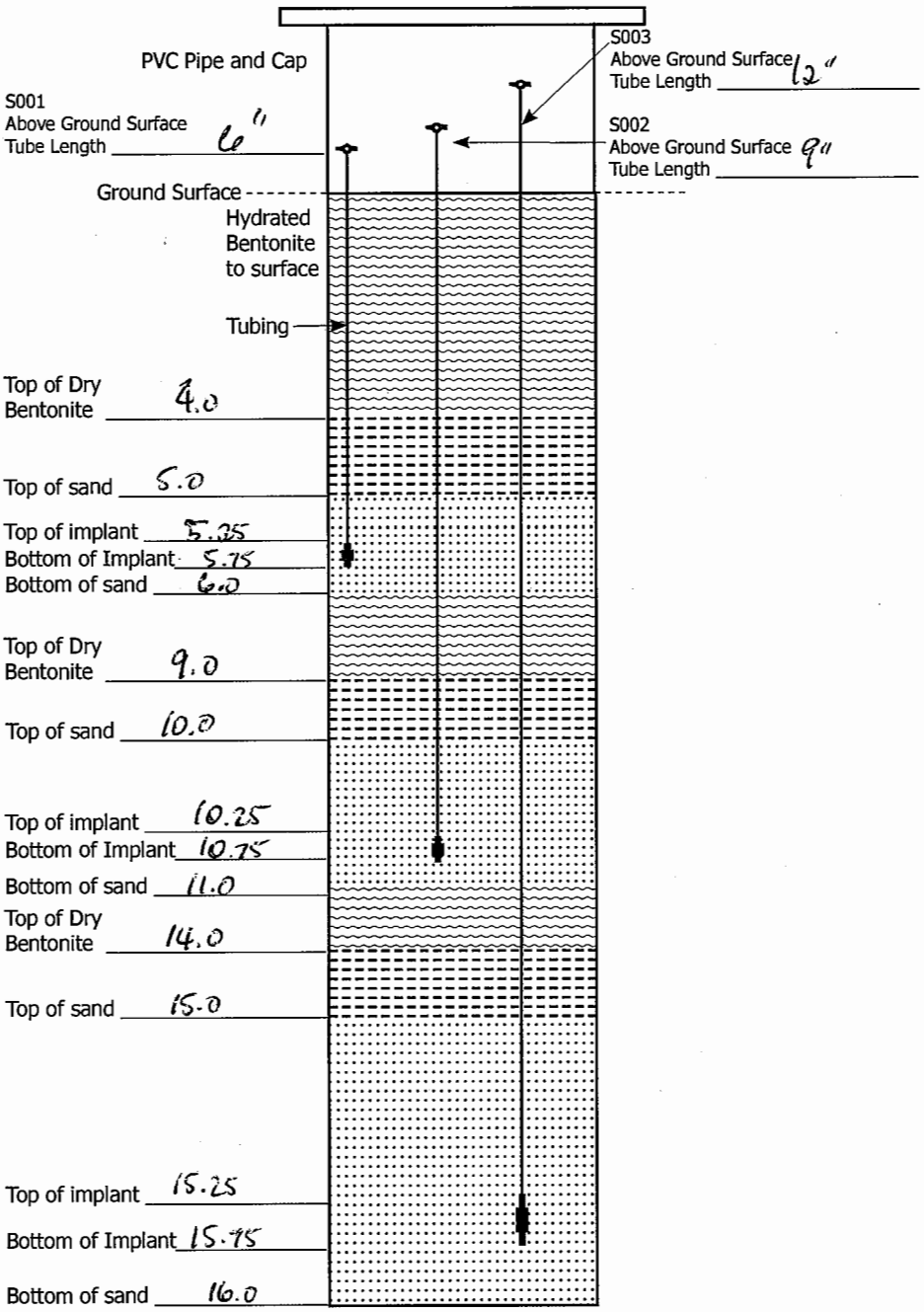
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
								Surface Description: In a bowl surrounded by rock.					
0.0	X	12"	NONE				SM	Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, fine to medium sand, non-plastic silt, fine gravel at the surface (Road Base), no odors or stains, backfill (re-worked native soil).	--	-	20	55	25
						1							
						2							
						3							
						4		TD = 1.0 ft. Refusal on bedrock. Drill 2-step out borings with similar results. No samples were collected - TD < 1.5' (too shallow per SOP)					
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV-DG-534
Site: SA 5B
Drilling Contractor: EST
Borehole TD: 21.0

Project: DOE SV DG 2014
Logged by: V. Vathanasen
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1300 / 6-2-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

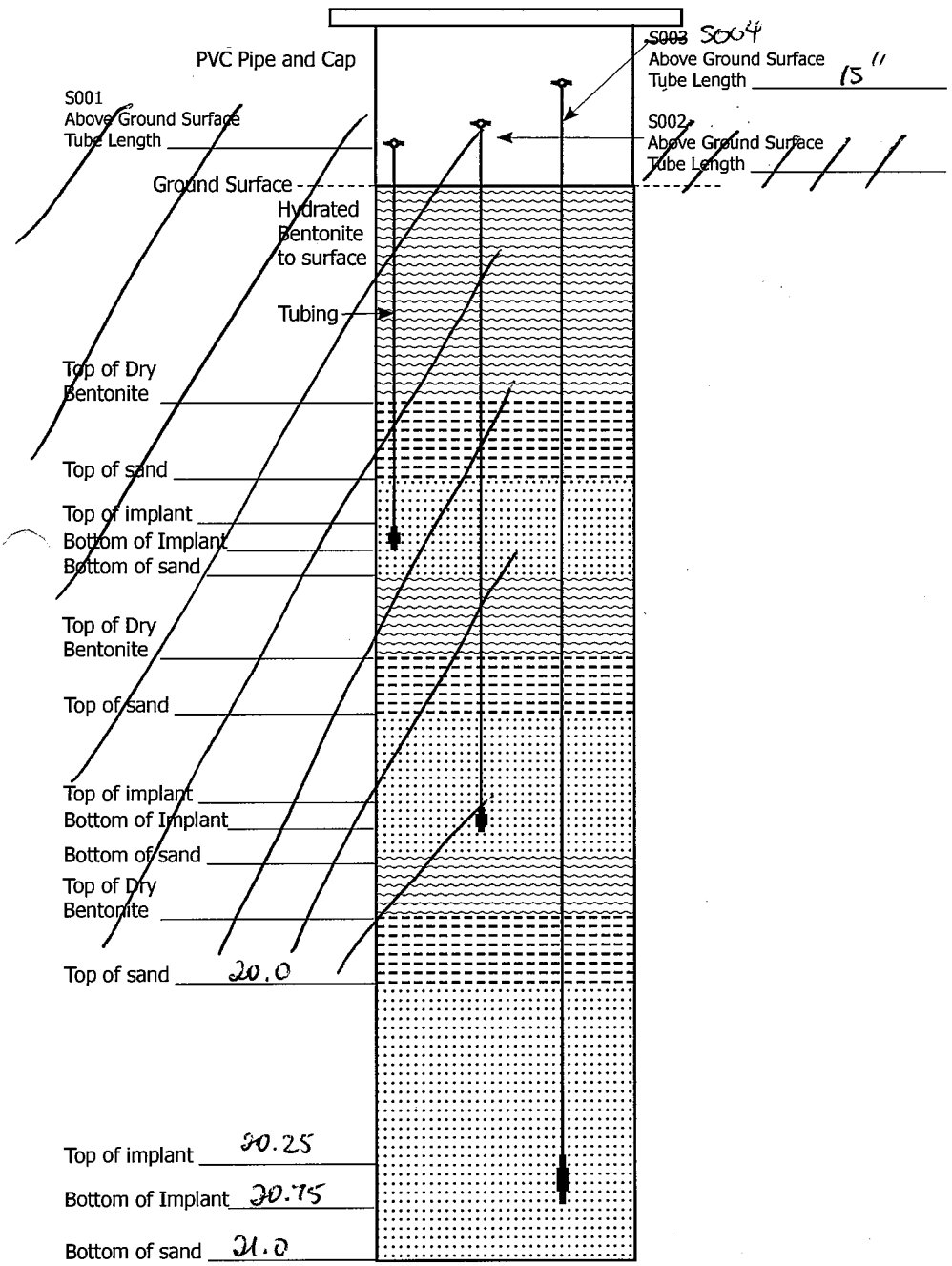
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SBSV-DG-584
Site: SA 5B
Drilling Contractor: EST
Borehole TD: 21.0

Project: Phase 3 DoE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 8.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5410 / DP
Probe Completion Date/Time: 1300 / 6-2-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: # 3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

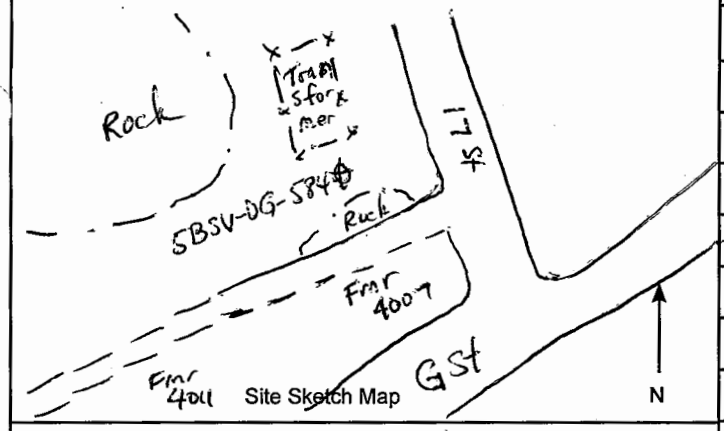
Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH

Boring ID: SBSV-DG-584	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 21.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1125 / 6-2-14	Drill Finish Time/Date: 1230 / 6-2-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None	
Surface Completion: Soil vapor probes	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	



Soil Vapor ID: SBSV-DG-584

Soil Vapor Well Completion Time/Date: 1300 / 6-2-14

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0

Soil Vapor Well Detail Completed (yes/no)

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Heavy veg - mustard. Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic fitt, roots, asphalt debris, fill, no odor, no stain,	-	-	-	70	30/
		45"				1							
						2							
						3		@3' Color changes to dark brown (10YR 3/3).					
						4							
						5		@5' color changes to dark yellowish brown (10YR 4/4, grades with clayey nodules, fill	-	-	-	60	30/10
		48"				6		@6' color changes to yellowish brown (10YR 5/6).					
						7							
						8							
						9	SP-GW	Poorly Graded Sand w/ Gravel (SP-GW), yellowish brown (10YR 5/8), loose, dry, fine to medium sand, fine gravel, trace fines, fill, friable	5	-	20	75	TR
		48"											

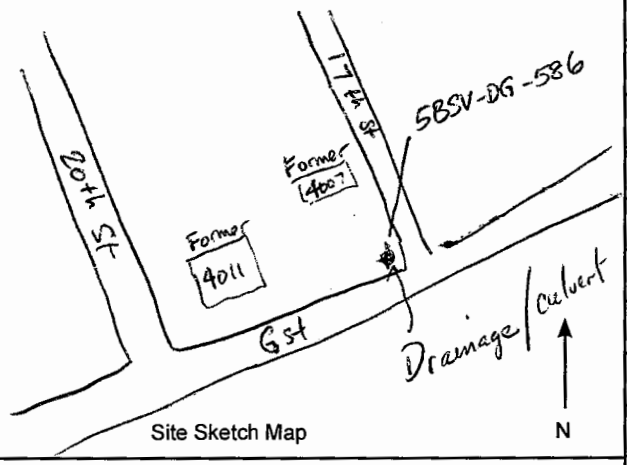
QA/QC

Boring ID: SBSV-DG-584 Project: Phase 3 DOE Soil Vapor Data Gap 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SP						
						11							
		NONE				12							
						13							
		48"				14							
		NONE				15							
						16	SM	Silty Sand (SM), yellowish brown (10YR5/6) with pale brown (10YR 6/3) weathered zones, ~~fine sand~~, ~~loose~~, slightly moist, fine sand, non-plastic silt, fill, no odors or stains.					
		45"				17							
		NONE				18							
						19							
						20		w/ gravel and silt (VO)					
		8"				21	SW	Well Graded Sand (SW), dark yellowish brown (10YR 4/6), loose, dry, fine to coarse sand, fine gravel, non-plastic silt, ~~fill~~ - very different from upper sections.					
		NONE				22	WB						
						23		@ 21' Sandstone, weathered.					
						24		TD = 21.0 ft, refusal on sandstone bedrock, backfill on top of bedrock - install vapor probes at 5.0 - 6.0, 10.0 - 11.0, 15.0 - 16.0, and 20.0 - 21.0					
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH



Site Sketch Map

Boring ID: 5BSV-DG-586	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: ~~Macrocore Geoprobe 5400 / DP~~ Hand Auger	
Sampler Type: ~~Macrocore~~ Hand Auger	
Borehole Diam (inch): 3.25	Total Depth (ft.bgs): 4.25
Drill Bit Type: Hand Auger Bucket	
Drill Start Time/Date: 0809 / 6-4-14	Drill Finish Time/Date: 0847 / 6-4-14
Soil Boring Backfill Time/Date: 0925 / 6-4-14	Backfill Material: Soil cuttings.
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: Concrete	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	
Soil Vapor ID: N/A	
Soil Vapor Well Completion Time/Date: N/A	
Soil Vapor Probe Depths (ft.bgs): N/A	
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	AF	Surface Description: In culvert 17th / G St 12" concrete					
						1	GW	1" Gravel base					
							SP	Poorly Graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand, very "clean", fill, no stains, no odors	-	-	-	100	-
						2							
						3							
0.0		☒	☒			4		color changes to brownish yellow (10YR 6/6)					
							Br	@ 4.25' Sandstone, weathered.					
						5		TD = 4.25', refusal on bedrock. Collect soil samples at 3.75-4.25':					
						6		SVL-586-SA5B-SB-3.75-4.25 MS @ 0900					
						7		SVL-~~586~~ 986-SA5B-SB-3.75-4.25 @ 09:05					
						8							
						9							

MWH

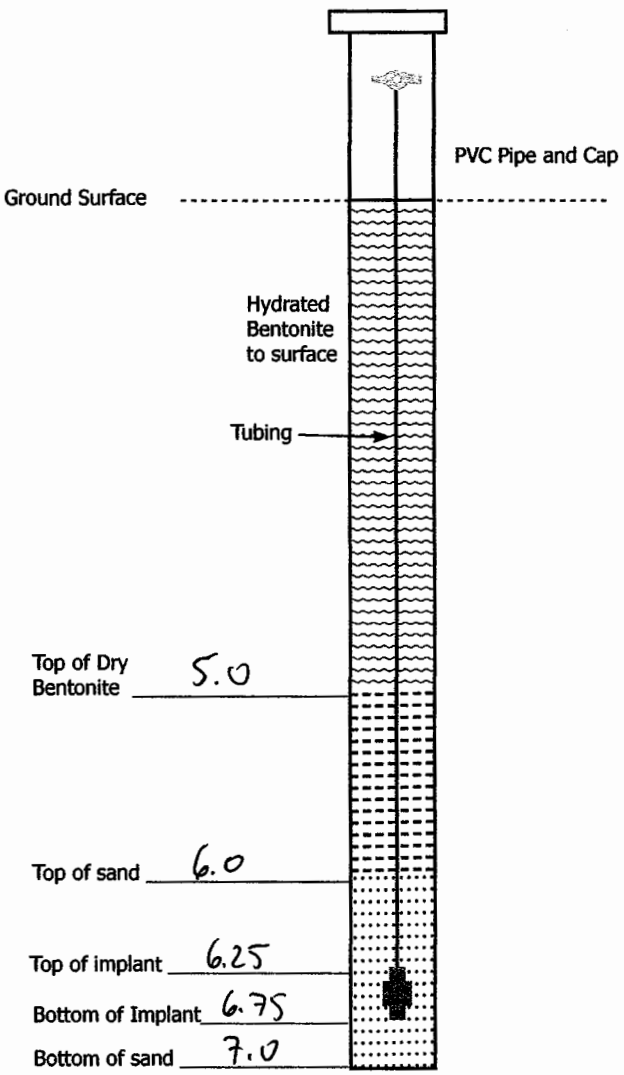
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SB SV 01-590 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB Reviewed by: Logged by: Ross Sears

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: Matt Kirkwood

Borehole TD: 7.0' bgs Probe Completion Date/Time: 02JAN14, 1412 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumble

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumble

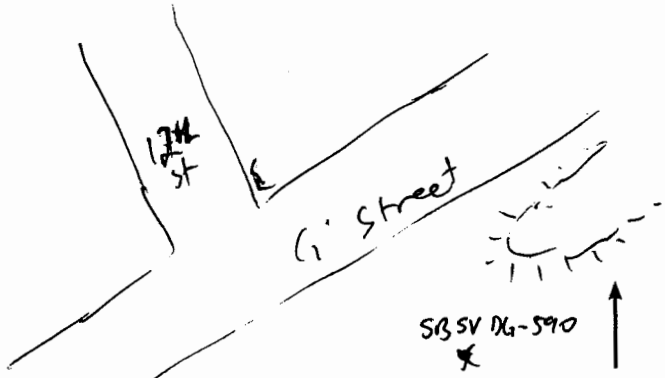
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV DG-590	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 1050 [illegible] 3050106	Site: SB
Logged By: [illegible]	Reviewed By:
Drilling Contractor: EST	Drillers Name: [illegible]
Drill Rig Type/Method: GEOPROBE 5400	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 02JUN14, 14:00	Drill Finish Time/Date: 02JUN14, 14:05
Soil Vapor ID: SBSV DG-590	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 02JUN14; 14:12	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 6.0 - 7.0' bgs	Surface Completion: soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Soil, mustard, grass

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		48"				0		0.0 - 1.0					
						1	sm	Silty sand (sm), brown (10YR 5/3)	-	-	5	70	25
								dry, very loose, predominant fine					
						2	sm	sand (70), some silt (25),					
								few medium sand (5). No					
						3		stain, no odor, fill.					
								1.0 - 2.5					
						4	SP	Silty sand (sm), yellowish	-	-	TR	65	35
		36"						brown (10YR 5/4), medium dense,					
						5		dry, low plastic, predominant					
								fine sand (65), some silt (35),					
						6		and trace medium sand. No					
								stain, no odor, fill					
								2.5 - 7.0 graded					
					TD	7		Poorly ~~gorted~~ sand (SP) yellowish	-	5	25	~~70~~ 50	10
*	Refusal on					8		brown (10YR 5/6). medium dense,					
	sandstone bedrock							moist. Predominant fine sand					
*	TD ~ 7.0' bgs					9		(50), some medium sand (25), few					
								silt (10), few coarse sand (5).					
								No stain, no odor, Native.					

QA/QC
Surficial media boring log rev 2-25-2014

MWH

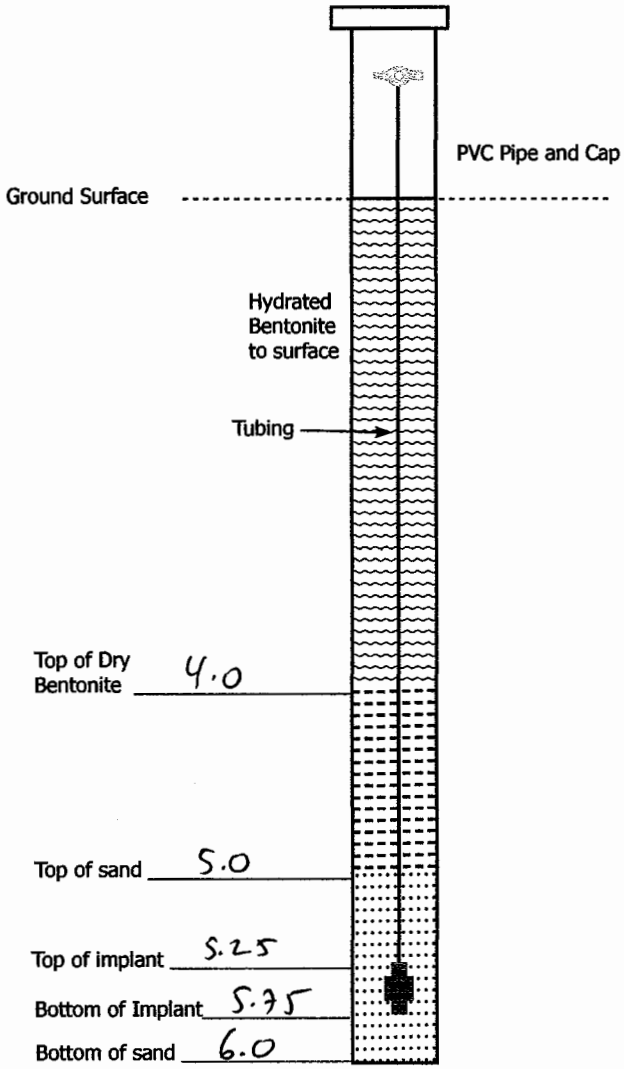
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV DG-593 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB | Reviewed by: | Logged by: R. Behrens

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 | Driller: Marty Kilhullen

Borehole TD: 6.0' bgs | Probe Completion Date/Time: 03JUN14, | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Comox

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

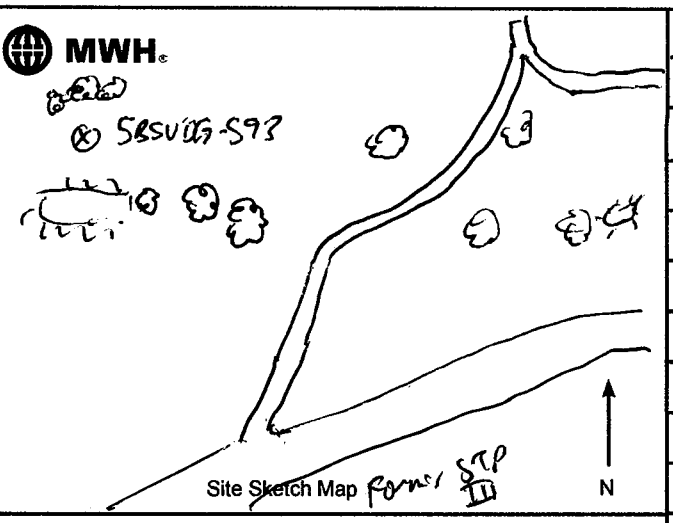
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Boring ID: SBSV DG-593	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 1050 3982.3050106	Site: SB
Logged By: ROB ELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MATT MCMULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 6.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 10:50 03 JUN 14	Drill Finish Time/Date: 11:03 03 JUN 14
Soil Vapor ID: SBSV DG-593	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 03 JUN 14, 11:18	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0'-6.0' bgs	Observations: burned debris @ surface; ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None (fragment)
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: SV Probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
								Surface Description: flat, mulch					
0.0 ppm		24"				0	fill SM fill	0.0 - 1.0 Silty sand (sm), dark brown (10YR 3/3), very loose, dry, predominant fine sand (60), some silt (30), few medium sand (10). No stain, no odor, but fragments of burned material (wood), lot of root/veg debris. Fill.	-	-	10	60	30
0.0 ppm		24"				4	fill SM fill	1.0 - 4.3 poorly sorted sand (SP), dark yellowbrown (10YR 4/6), loose, dry, predominant fine sand (70), little silt (15), few med sand (10), Trace coarse sand. No stain, no odor, fill.	-	TR	10	75	15
						5 sharp	SP		-				
	TD = 6.0' bgs on sandstone bedrock.					6							
	Location moved 6' to the south from proposed location.					7		4.3 - 5.1 Silty sand (sm), dark brown (10YR 3/3), dense, dry, non plastic, Mostly fine sand (60) some silt (40). No stain no odor, Fill.	-	-	-	60	40
						8							
						9				-	15	75	10

5.1 - 6.0 poorly graded sand (SP) dark yellow (2.5Y 4/6). Mostly fine sand (75) little medium sand, few silt (10) no stain, no odor native.

MWH

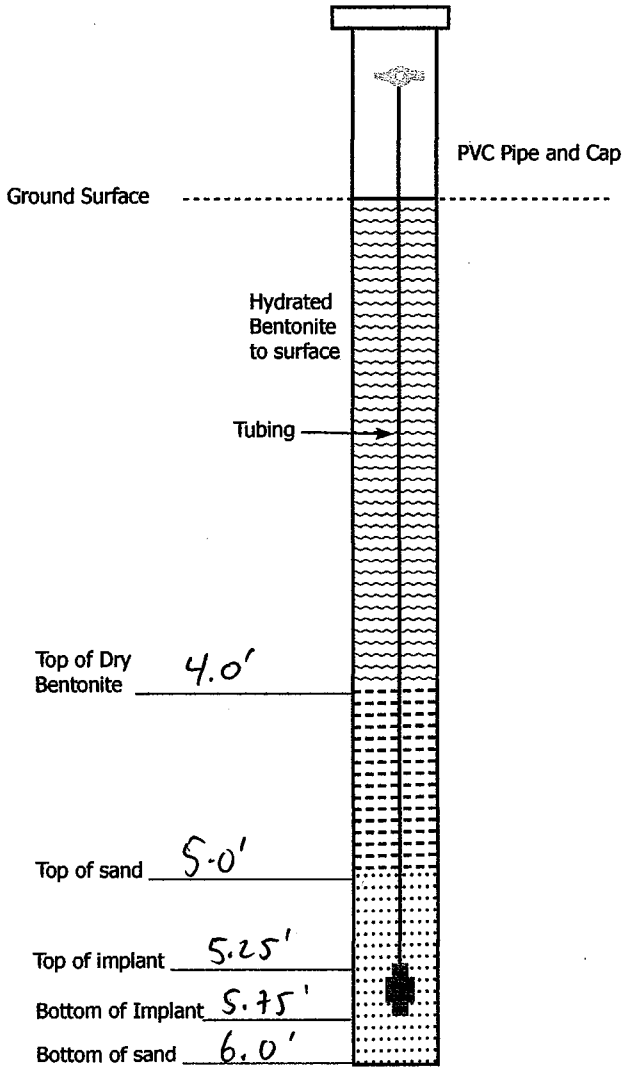
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV DG-594 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB | Reviewed by: | Logged by: Ross Ellis

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 | Driller: Marty Kilhullen

Borehole TD: 6.0' bgs | Probe Completion Date/Time: 03JUN14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

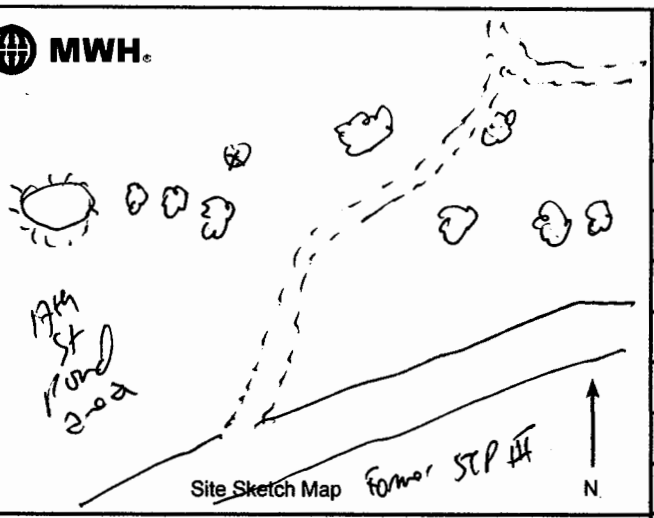
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



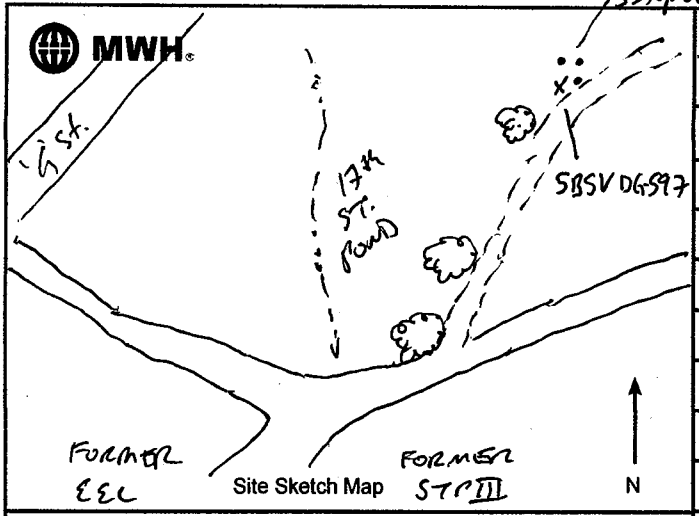
Site Sketch Map

Boring ID: 5BSVDG-594	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: 5B
Logged By: RB Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Kilhullen
Drill Rig Type/Method: Macrocore Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 12:03 03 JUN 14	Drill Finish Time/Date: 12:08 03 JUN 14
Soil Vapor ID: 5BSVDG-594	Soil Boring Backfill Time/Date: N/A Backfill Material:
Soil Vapor Well Completion Time/Date: 03 JUN 14, 12:10	Observations: some pipe/brick, burned wood ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0' bgs	Surface Completion: SV Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Surface Description:	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		42"				0		0.0 - 4.0					
						1		Silty sand (sm), brown (10YR 4/2)	-	5	10	55	30
							sm	very loose, dry transitions to					
						2		Med dense, dry at ~2.0'					
								with some mottled nodules/look					
						3		like decomposed sandstone fragments					
								Predominant fine sand (55), some					
						4		silt (30), few medium sand (10)					
0.0 ppm		24"						and few coarse grains (5).					
						5	SP	Some fragments of debris, burned					
								wood, clay pipe (?) up to 2mm. Aside					
					TD	6		from oxidation, no odor, no					
• TD = 6.0' bgs								stain, fill material.					
Refusal on sandstone						7		4.0 - 6.0					
bedrock								Poorly sorted sand (SP), dark yellow	-	TR	10	80	10
						8		brown (10YR 4/4), loose, dry. Mostly					
								fine sand (80), few medium sand and					
						9		silt (10% each), Trace coarse sand. No					
								stain, no odor. Fill material.					
								Bedrock @ 6.0' bgs, weathered					
								10YR 6/3 pale brown, in shoe.					

QA/QC
Surficial media boring log rev 2-25-2014



Site Sketch Map

Boring ID: SBSV DG-597	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: 5B
Logged By: ROB ELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 1.0'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 07:13 03 JUN 2014	Drill Finish Time/Date: 08:15 03 JUN 2014
Soil Boring Backfill Time/Date: 08:32 03 JUN 2014	Backfill Material: soil cuttings 03 JUN 2014
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: None	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID: N/A

Soil Vapor Well Completion Time/Date: N/A

Soil Vapor Probe Depths (ft.bgs): N/A

Soil Vapor Well Detail Completed (yes/no) N/A

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Grasses + Erodium

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
	X	12"	X			0	SM / SP	0.0 - 0.5 Silty sand (SM), brown (10YR 5/3) very loose, dry, predominant fine sand (55), some silt (35), few medium sand (10). No stain, no odor. Native	-	-	10	55	35
0.0 ppm	SV-597-SA5B-SB-0.5-1.0 10 µRem, 54 cpm					1							
						2		~~TD = 1.0' bgs~~					
						3		0.5 - 1.0 Poorly graded sand (SP) pale brown (10YR 6/3). loose, dry Predominant fine sand (55), little medium sand (20), little coarse sand (15), few silt (10) no stain, no odor, Native	-	15	20	55	10
						4							
						5							
						6							
						7		• TD = 1.0' bgs on sandstone bedrock (refusal).					
						8		• Backfilled w/ soil cuttings @08:32					
						9		• stepped out to N, NE, E ~ 18" to confirm refusal					

QA/QC
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Single Soil Vapor Probe Construction Diagram

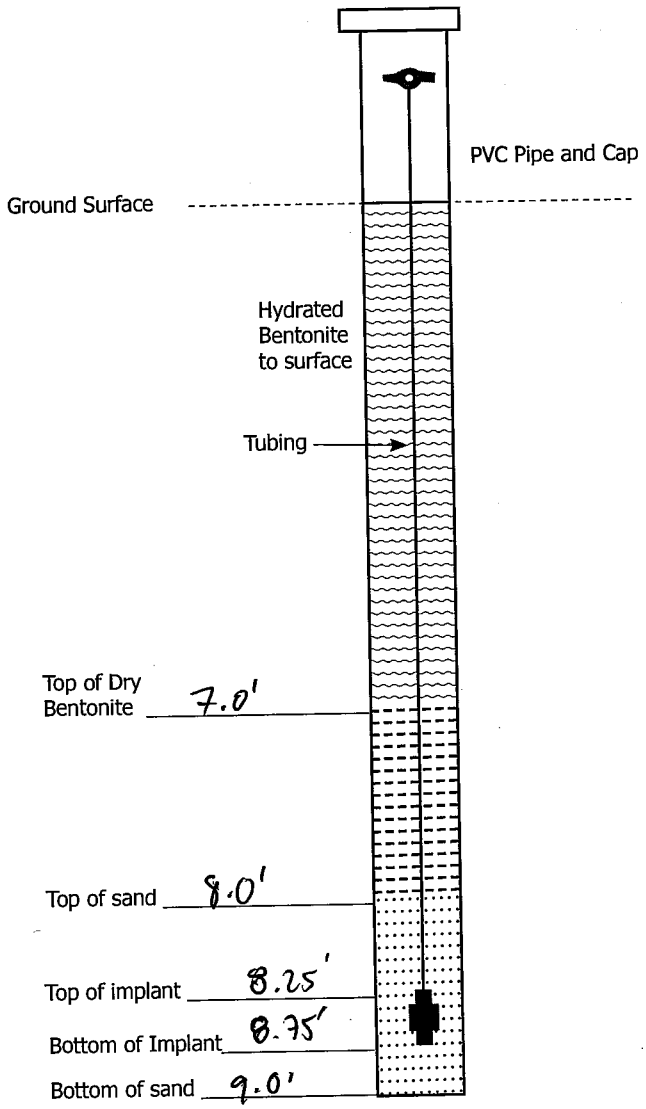
MWH

Probe ID/Soil ID: SBSV-DG-599 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 201

Site: SB Reviewed by: Logged by: RWKevis

Drilling Contractor: EST Rig Type/Method: HAND AUGER Driller: MORGAN HUGHES

Borehole TD: 9.0' bgs Probe Completion Date/Time: 11JUN14; 12:43 Borehole Diameter: 2.5" ~~DIA~~



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

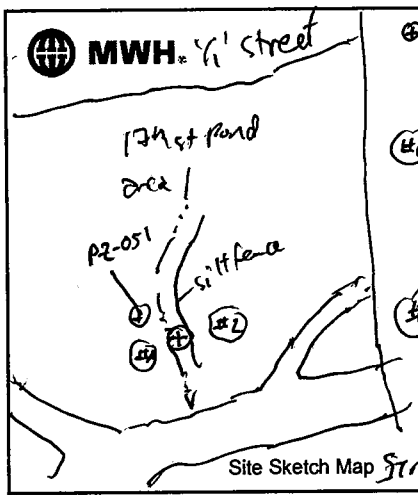
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH. 'G' street



⊕ 5BSVDG599 primary - refusal at 0.5' bgs.
(#1) stepout 15' (W) into bank terrace w/ refusal 2.0' bgs
(#2) stepout 20' (E) into hummocky area.

Site Sketch Map STP III

N

Boring ID: 5BSV_DG-599	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: ROBELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: HAND AUGER	
Sampler Type: BUCKET AUGER GRAB	
Borehole Diam (inch): 3.5"	Total Depth (ft.bgs): 9.0'
Drill Bit Type: BUCKET AUGER	
Drill Start Time/Date: 12:07 11JUN14	Drill Finish Time/Date: 12:32 11JUN14
Soil Boring Backfill Time/Date: N/A	Backfill Material:
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: SV probe	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID: 5BSV_DG-599

Soil Vapor Well Completion Time/Date: 11JUN14 ; 12:43

Soil Vapor Probe Depths (ft.bgs): 8.0 - 9.0' bgs

Soil Vapor Well Detail Completed (yes/no) attached

Soil Description wild oats.

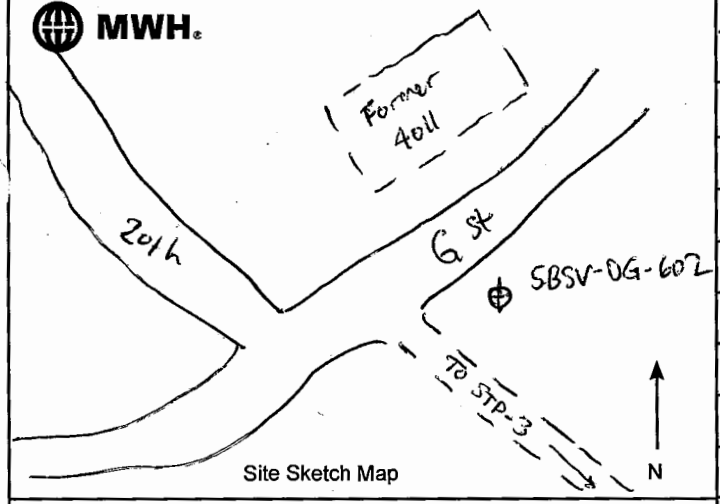
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: hummocky, berms.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		108"				0	SM	0.0 - 1.0 Silty sand (SM), grayish brown (10YR 5/2). very loose, dry, pervasive roots, more like A horizon. Mostly fine sand (60), some silt (30), few medium sand (10). No stain, no odor. Fill material	-	-	10	60	30
						1							
						2							
						3							
						4	SM	1.0 - 9.0 Silty sand (SM) dark yellowish brown (10YR 4/4). loose, slightly moist. Mostly fine sand (55). Some silt (35) and few medium sand. Silt fraction increases to ~40% at ~7.0' bgs., medium sand decreases.	-	-	10	55	35
						5							
						6							
						7			-	-	5	55	40
						8		TD = 9.0' bgs with refusal on sandstone bedrock					
						9		This is boring stepout location #2. (see map).					

QA/QC
Sur icial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: SBSV-DG-602	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5B
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0923 / 6-3-14	Drill Finish Time/Date: 0940 / 6-3-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: ~~N/A~~ 0945 6-3-14 Backfill Material: Soil cuttings.
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None.
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Graded, veg cleared.					
								Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, no stains or odors, fill	-	-	-	70	30
		30"	NONE			1							
						2	ML	Silt w/ sand (ML), yellowish brown (10YR 5/8), med. stiff, dry, silt, fine sand, low to medium plasticity, small white nodules, fill				15	20/5
						3							
						4		P.D. Color changes to brownish yellow (10YR 6/8),					
		12"	NONE										
0.0					0950	5	SP	Poorly Graded Sand (SP), brownish yellow	-	-	-	100	-
				3VL-602-SA5B-3B-4.5-5.0			BR	(10YR 6/8), loose, dry, non-cemented, native soil, no stains or odors.					
						6		Sandstone, weathered.					
						7		TD = 5.0, Refusal on bedrock, collect soil samples for VOC analyses 4.5-5.0 ft					
						8							
						9							

Soil Description
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

MWH

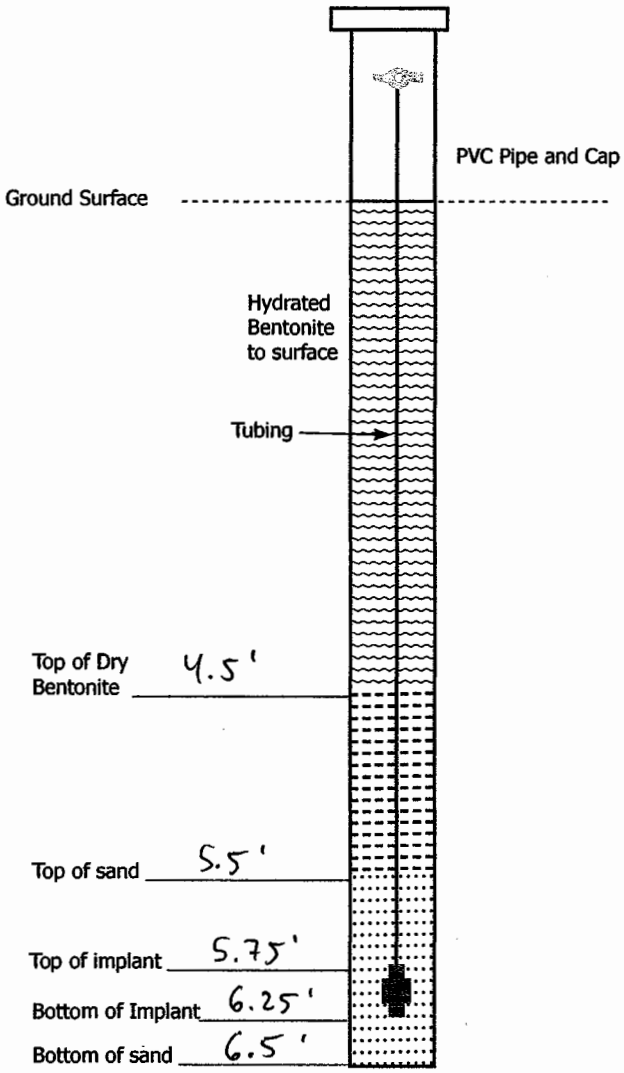
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SB SV DG-606 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB Reviewed by: _____ Logged by: RMB Ellis

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: MARTY KILHULLEN

Borehole TD: 6.5' bgs Probe Completion Date/Time: 03-JUN 2014 08:40 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

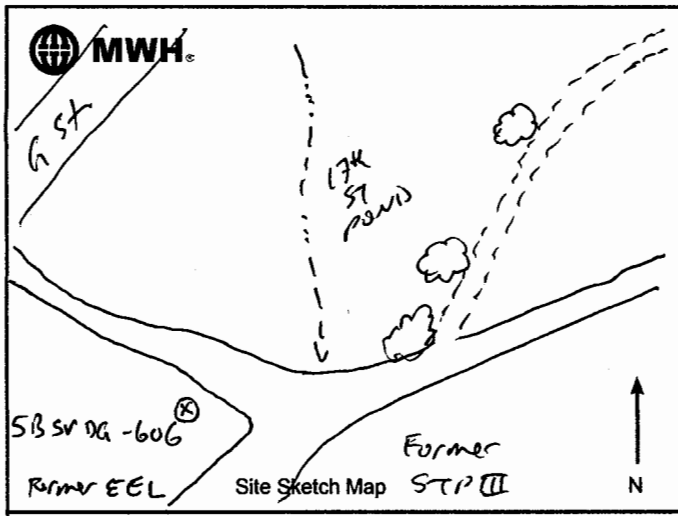
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SB SV DG-606	Sheet 1 of 1
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: SB
Logged By: RUBELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.5'
Drill Bit Type: Macro core	
Drill Start Time/Date: 08:34 03JUN2014	Drill Finish Time/Date: 08:36 03JUN2014
Soil Vapor ID: SB SV DG-606	Soil Boring Backfill Time/Date: N/A
Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 03JUN14 ; 08:40	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.5'-6.5'	Surface Completion: SV probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: grasses, mustard

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		48"				0	lt. sm	0.0-2.5 Silty sand (sm), dark yellowish brown (10YR 4/4), very loose, dry. Predominant fine sand (65), some silt (30), few medium sand (5), No stain, no odor. Fill.	-	-	5	65	30
						1							
						2							
						3	SP	2.5-4.0 Poorly sorted sand (SP). dark, yellowish brown (10YR 4/4). med. dense, dry. Predominant fine sand (70), silt (15), few medium sand (10), few coarse sand (5). Transitions to dark yellowbrown (10YR 4/6) at 3.0' bgs. No stain, no odor, Fill	-	5	10	70	15
0.0 ppm		30"				4	SP						
						5							
						6							
						7							
TD = 6.5' bgs refusal on sandstone bedrock						8		4.0-6.5' Poorly sorted sand (SP). light olive brown (2.5Y 5/6). Predominant fine sand (65), little med sand / silt (15% each), few coarse sand.	-	5	15	65	15
						9							

Some fragments of white (calcite?). effervesces
No stain, no odor - Native

QA/QC
Surficial media boring log rev 2-25-2014

MWH

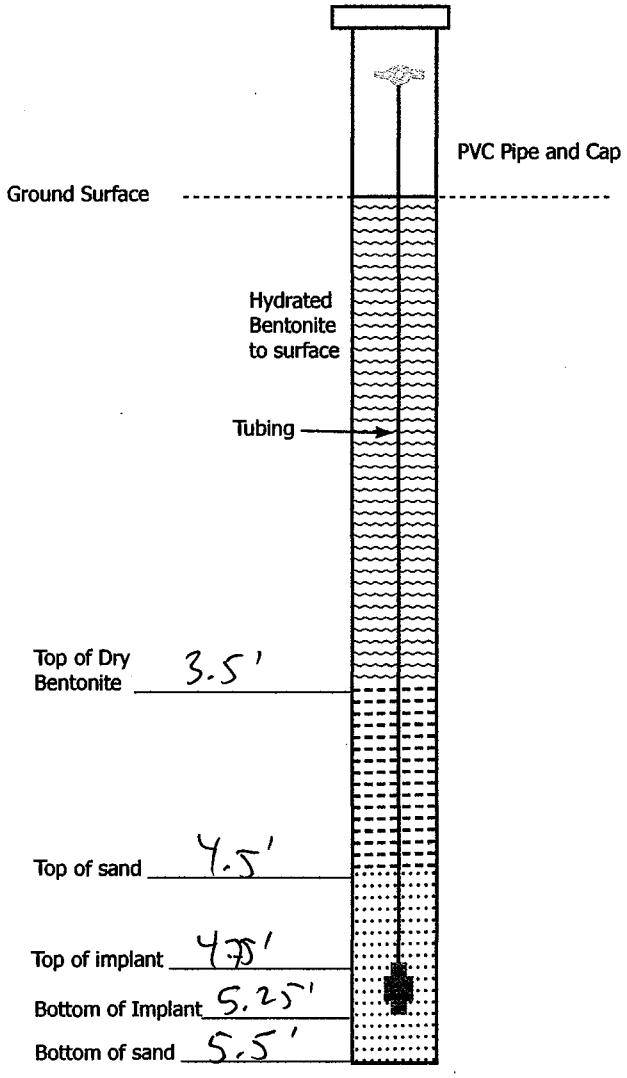
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SBSV DG-612 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SB Reviewed by: _____ Logged by: Russ Lewis

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: MARTY KILHULLEN

Borehole TD: 5.5' bgs Probe Completion Date/Time: 03JAN14, 14:20 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: tefton

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Covex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

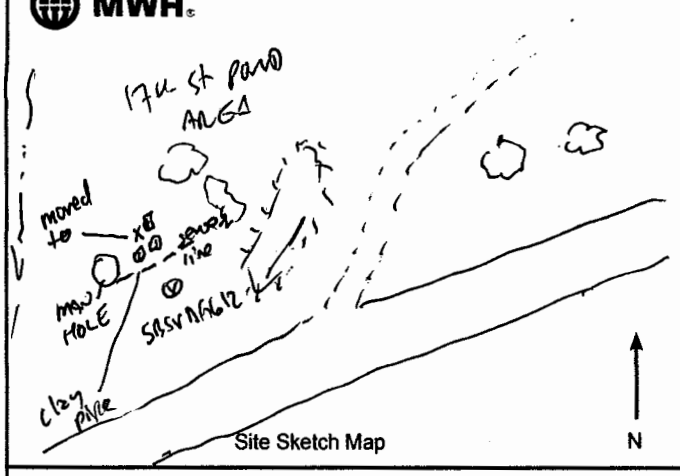
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SBSV DG-612 Sheet 1 of 1

Project: Phase 3 DOE SVDG 2014

Job #: 105039BL.3.05.06 Site: SB

Logged By: Rob Ewig Reviewed By:

Drilling Contractor: EST Drillers Name: Mark Robillard

Drill Rig Type/Method: Geoprobe 5400

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 5.5'

Drill Bit Type: Macrocore

Drill Start Time/Date: 13:52 03 JUN 14 Drill Finish Time/Date: 14:02 03 JUN 14

Soil Vapor ID: SB SV DG-612

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 03 JUN 14, 14:20

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5'

Surface Completion: SV probe

Soil Vapor Well Detail Completed (yes/no) Installed

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
								Surface Description: clay pipe debris, sewer.					
0.0 ppm		42"				0		0.0 - 5.5'					
						1		Silty sand (SM) brown (10YR 4/3) very loose, dry for the first few inches transitioning to loose / med dense to 5.5'. Mostly fine sand (90), some silt (30), few medium sand (10), and few coarse sand / gravels (5% rnd). Gravels consist of sandstone fragments and 1-2 base gravels at 3.5' bgs. Color change at 1.0' bgs to dark yellowish brown (10YR 4/4), to TD. 3" lite yellowish brown (2.5 Y 6/3) sand lens at 3.2' bgs. No stain, no odor. Fill material. TD = 5.5' bgs, refusal on sandstone bedrock.	5	5	10	50	30
						2							
						3	SM						
						4							
0.0 ppm		18"				5							
						TD							
	Moved location 10' to the W					6							
						7							
						8							
						9							

QA/QC

Surficial media boring log rev 2-25-2014

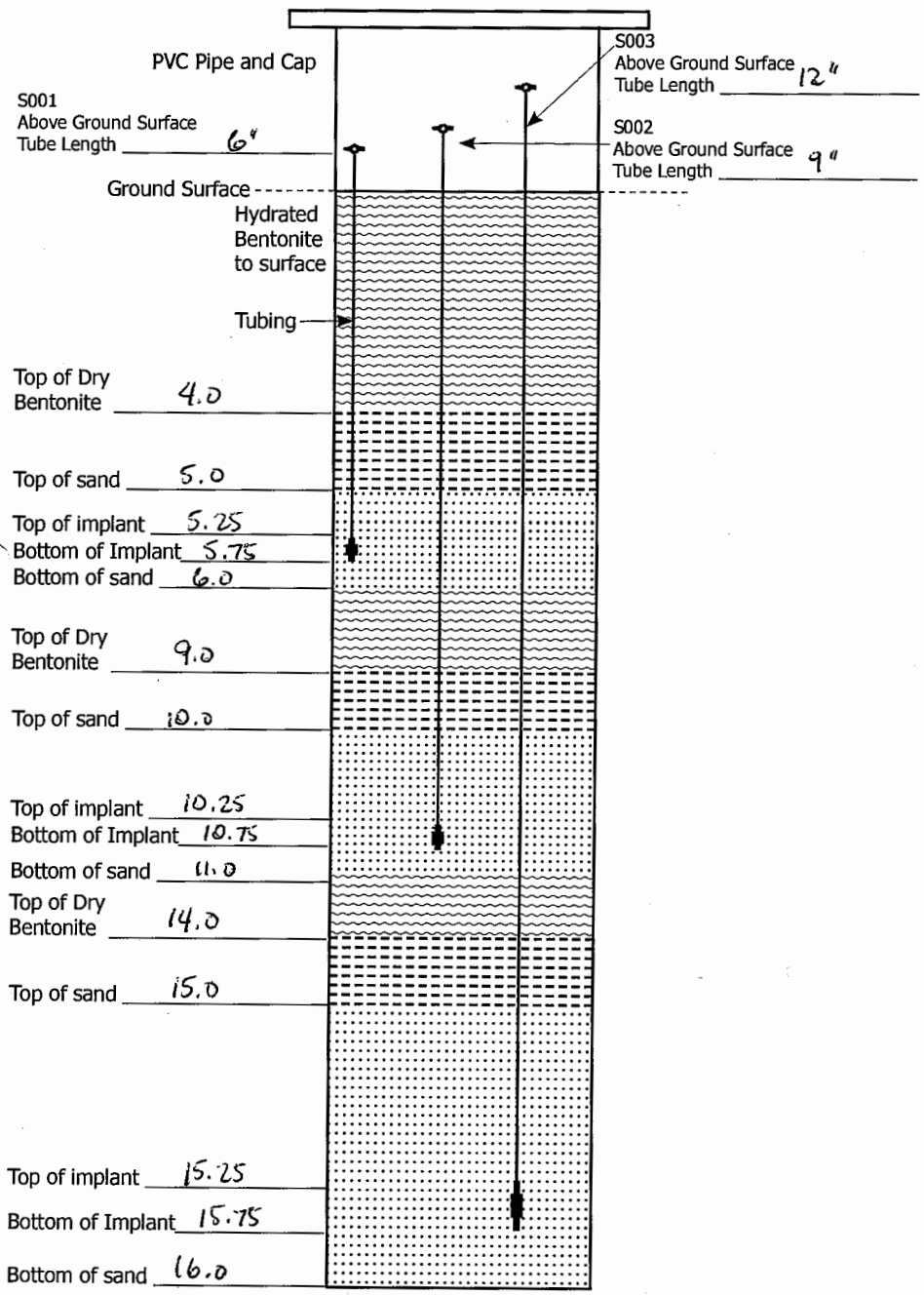
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SCSV-DG-505
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 16.0

Project: Phase 3 DoE SVDG
Logged by: U. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1505/5-27-14



Vapor Implant Specs

Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs

Grain Size: #3
Manufacturer: Cemex

Dry Bentonite

Type: #8
Manufacturer: Cetco

Hydrated Bentonite

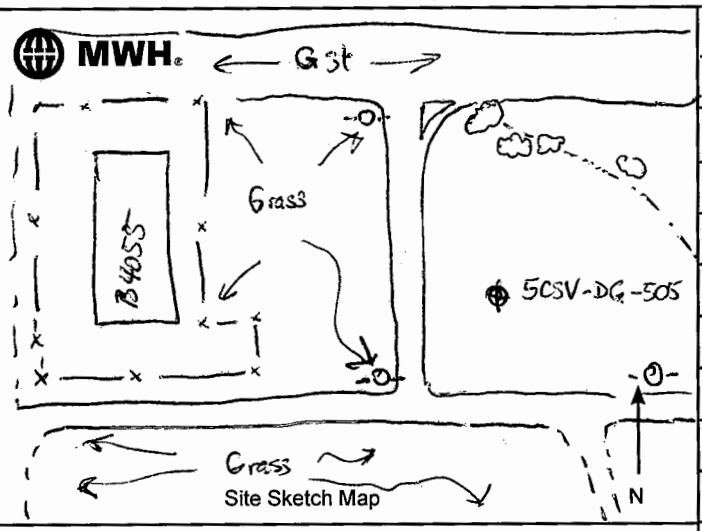
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5CSV-DG-505 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA 5C

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 16.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1345 / 5-27-14 Drill Finish Time/Date: 1420 / 5-27-14

Soil Vapor ID: 5CSV-DG-505

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1505 / 5-27-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Gravel base and weeds. Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, no odors or stains, fill	-	-	-	60	40/
			NONE			1							
						2	ML	Silt w/ clay (ML), dark yellowish brown (10YR 4/4), stiff, dry, non-plastic silt, clay, trace fine sand, white <1mm nodules, med. cementation, no odors, fill	-	-	-	TR	90/10
0.0						3							
						4							
						5	ML	~~Silt with Sand~~ Sandy Silt (ML), mottled light yellowish brown (10YR 6/4) and very pale brown (10YR 8/2), low plasticity silt, coarse to fine sand (vf), strong weathering, fill.	-	10	10	15	65/
			NONE			6							
						7		@7' 9mm wide band of weathered material very pale brown (10YR 8/2)					
						8	SM	Silty Sand w/ clay (10YR 5/4) yellowish brown, dense, dry, fine sand, non-plastic fines, white (10YR 8/1) streaks,	-	-	-	70	20/10
			NONE			9							

con't next page

Boring ID: SCSV-DG-505 Project: Phase 3 DOE SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0		42"	NONE			10							
						11	ML	Silt w/ Sand (ML), very dark yellowish brown (10YR 4/4), very stiff, dry, fr. (V.V.)	-	-	-	20	80
		42"	NONE			12	SP-SM	low-plasticity silt, fine sand, no odors or stains, native soil, moderate silt cement	-	-	-	90	10
						13		SP-SM (V.V.)					
						14		Poorly Graded Sand (SP), pale brown (10YR 6/3), fine sand, non-plastic silt, friable, no odors or stains; native soil					
		12"	NONE			15	SP						
0.0						16	SP	@ 14' grades w/ low plasticity fines.					
								@15' grades c/o fines (Poorly Graded Sand)	-	-	-	100	-
						17	BR	@ 16' Sandstone, weathered.					
						18							
						19							
						20		(V.V.)					
						1		TD = 16.0; refusal on bedrock, install probes at 5.0-6.0, 10.0-11.0, 15.0-16.0					
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

5-6 15-16
10-11

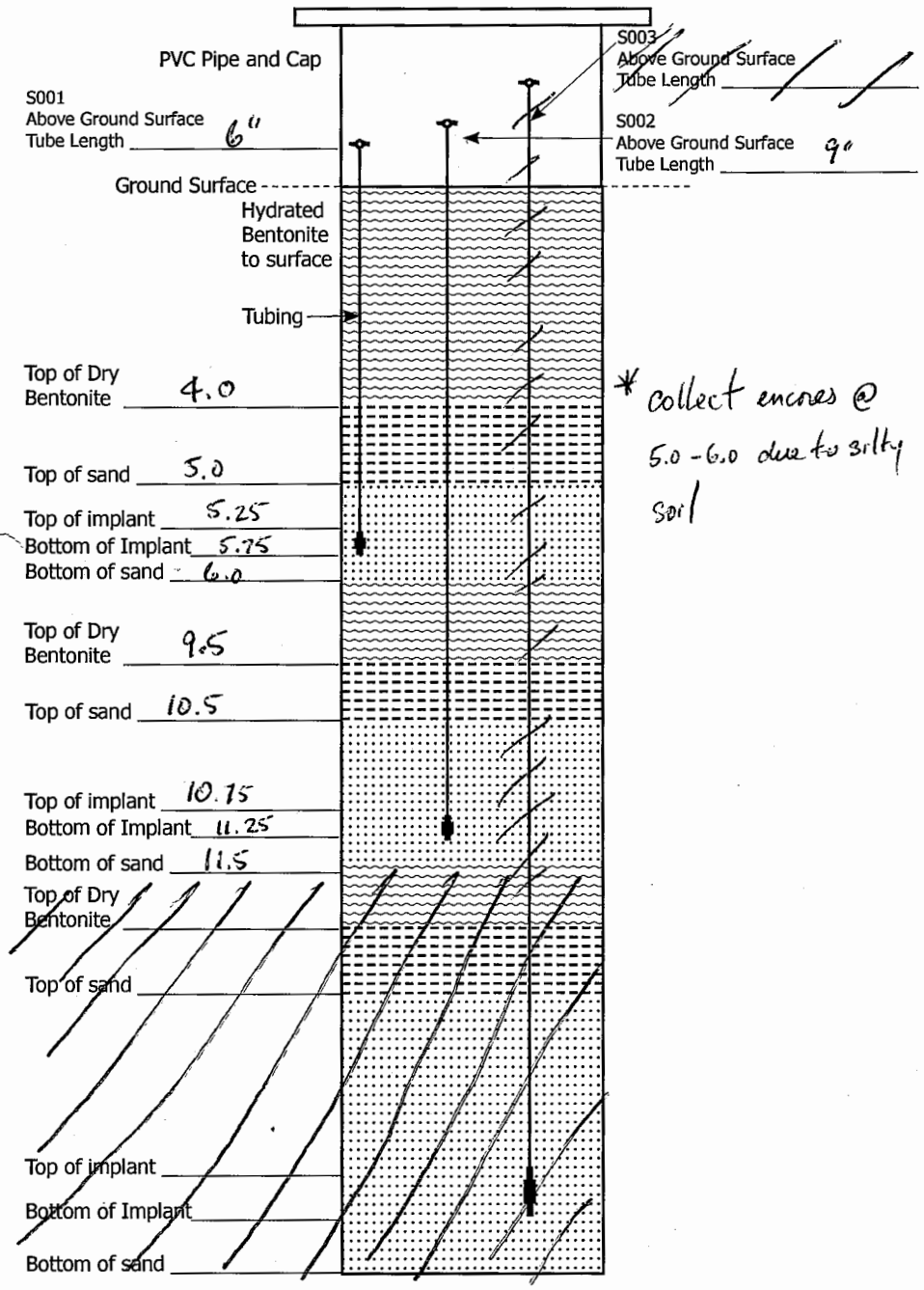
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SCSV-DG-~~505~~ 507 (V.V.)
Site: SA 5C
Drilling Contractor: EST
Borehole TD: 11.5

Project: Phase 3 DoT SV DG 2014
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 0939 / 5-28-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

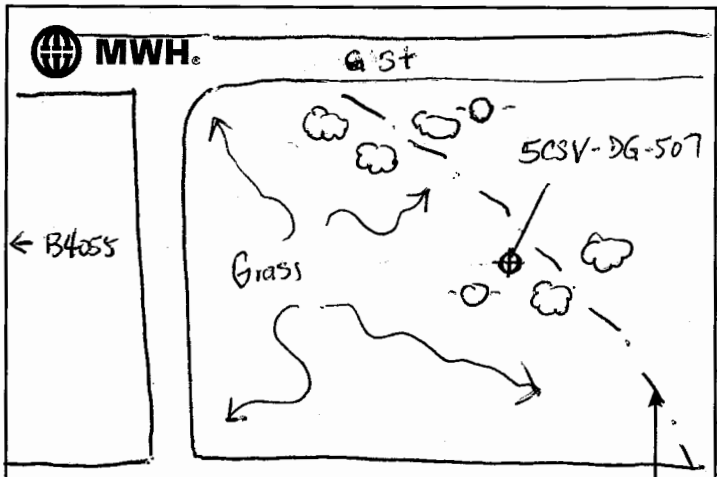
Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

-DG-

MWH



Site Sketch Map

Boring ID: 5CSV-507	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 5C
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 11.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0904 / 5-28-14	Drill Finish Time/Date: 0925 / 5-28-14
Soil Vapor ID: 5CSV-DG-507	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 0939 / 5-28-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 10.5-11.5, 5.0-6.0	Surface Completion: Soil vapor probes
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type; 2) USCS Symbol; 3) Munsell Color; 4) Consistency/Density; 5) Moisture; 6) Grain Size %; 7) Cementation; 8) Plasticity (fines); 9) Geologic Unit (fill, alluvium, bedrock); 10) Misc. Observations

Surface Description: Veg. cleared area.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, silt, roots, traces of decomposed granitic gravel, fill	TR	-	-	65	35
0.5		33"				1							
						2		@1.5' color changes to dark brown (10YR 3/3), dark organic layer					
						3		@3' grades (vv) w/ med. plasticity clay w/clay (vv)	-	-	-	65	25/10
						4	ML	@4' Silt (ML), brown (10YR 5/3), stiff, dry, low-plasticity silt, medium plasticity clay, fill, no odors or stains.					85/15
		48"	X		0940	5							
4.7				SVL-501-SA5C-5D-5.0-6.0		6							
						7	SM	Silty Sand w/ clay (SM), yellowish brown (10YR 5/6), loose, dry, fine sand, ~~fine~~ low plasticity fines, no odors or stains, native soil	-	-	-	60	40
						8		@8.0 grades w/o clay	-	-	-	60	40
						9							

5-6

Boring ID: SCSV-DG-507 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SM						
7.1						11							
						12	Br	Sandstone, weathered.					
						13		TD = 11.5, refusal on bedrock. Install vapor probes at 5.0-6.0, 10.5-11.5. Collect Encores at 5.0-6.0 due to silt and potential for low flow conditions.					
						14							
						15							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

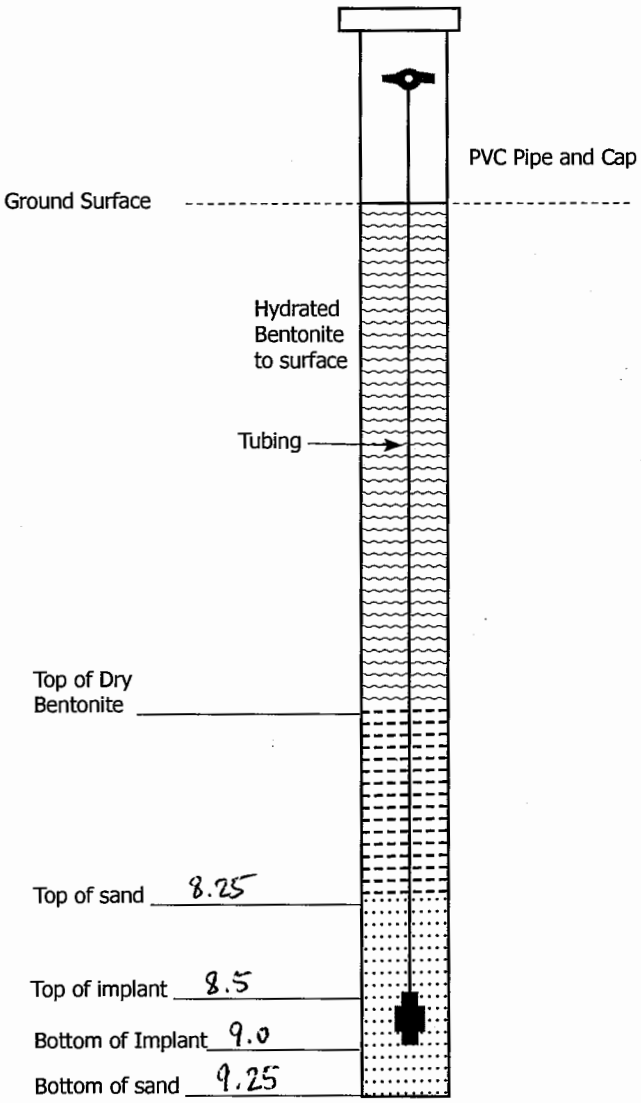
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-508 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA 5C | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 9.25 | Probe Completion Date/Time: | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

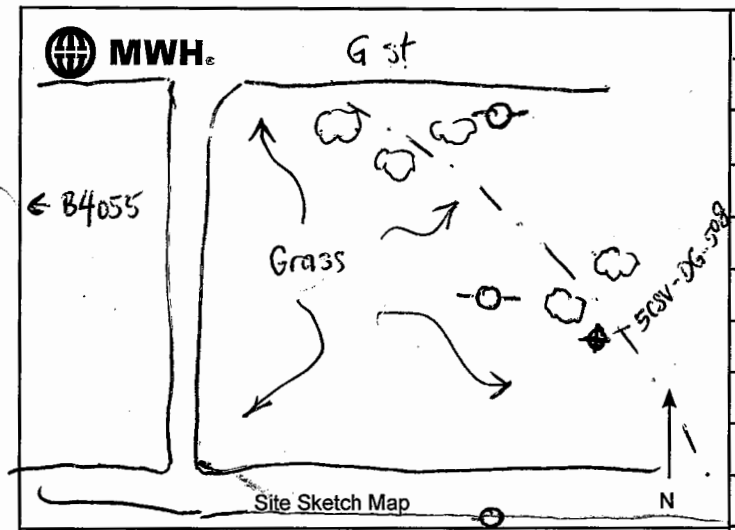
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5CSV-DG-508	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SASC
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP (V.V.)	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 9.25
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0754 / 5-28-14	Drill Finish Time/Date: 0820 / 5-28-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: 5CSV-DG-508	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: 0840 / 5-28-14	Surface Completion: Soil vapor probe
Soil Vapor Probe Depths (ft.bgs): 8.25 - 9.25	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Hummocky area, grass					
28.4		41"	NONE			1		Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, roots down to 3", fine angular gravel, no odors or stains. fill	<5	-	-	65	30
						2							
						3		@ 1.9" color changes to yellowish brown (10YR 5/4), no roots or gravel	-	-	-	65	35
						4	ML	Silt (ML), yellowish brown (10YR 5/6), stiff, dry, non-plastic silt, slightly layered, fill, no odors or staining.	-	-	-	-	100/
		48"	NONE			5							
						6	SM	Silty Sand (SM), yellowish brown (10YR 5/4), med. dense, dry, fine sand, non-plastic silt, ~~few~~ medium grained, sub angular sand, slight yellowish brown oxidation (10YR 5/8) (V.V.)	-	-	10	60	30/
						7							
						8							
15.1		15"	NONE			9							
							Br	@ 9.25 Sandstone, weathered. TD = 9.25', refusal on bedrock. Install probe at 8.25-9.25					

QA/QC

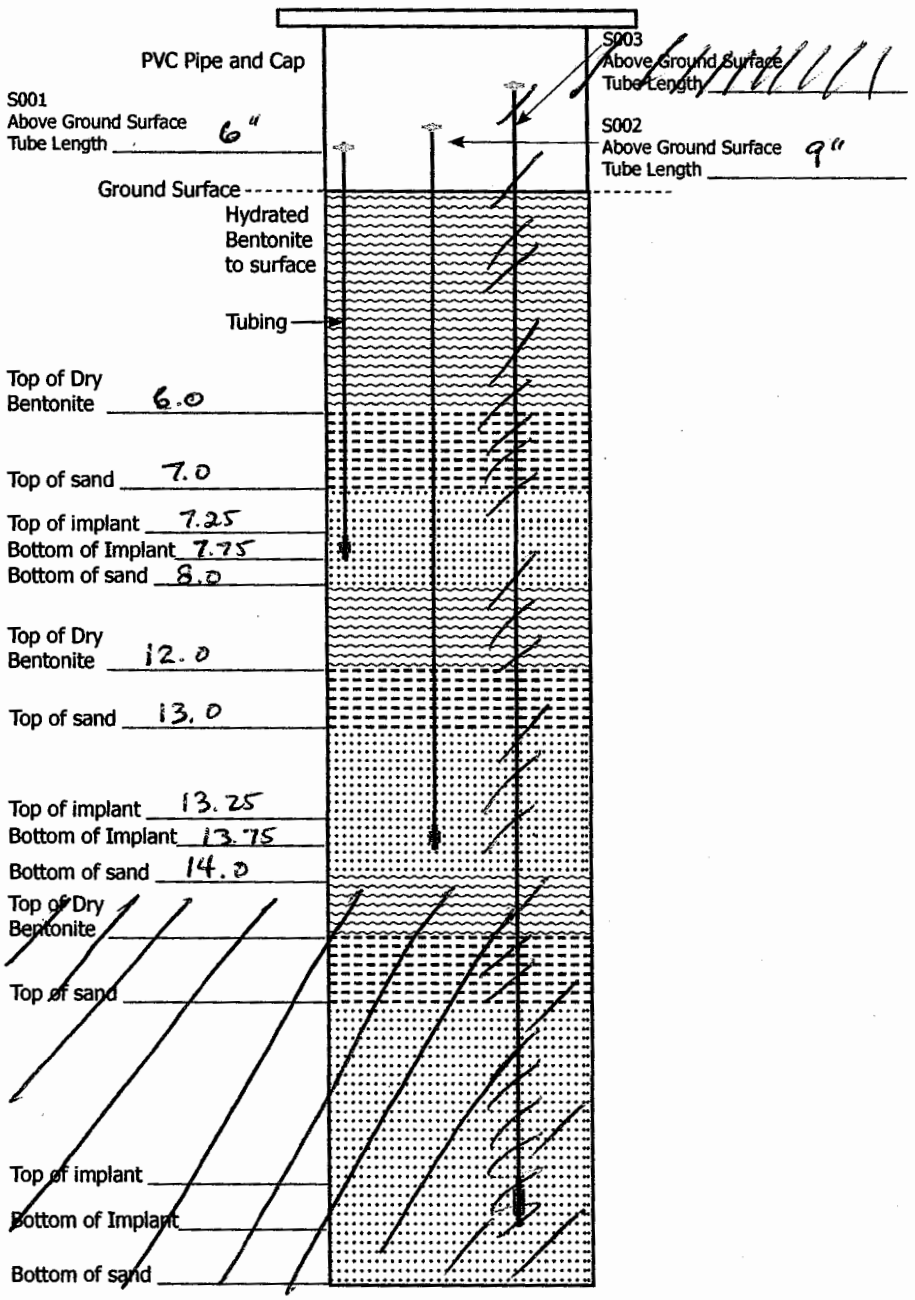
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SCSV-DG-511
Site: SC
Drilling Contractor: EST
Borehole TD: 14.0

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: V. Vathanasin
Driller: Marty D'Hillmullen
Borehole Diameter: 3.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Hand auger
Probe Completion Date/Time: 0905 / 6-12-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

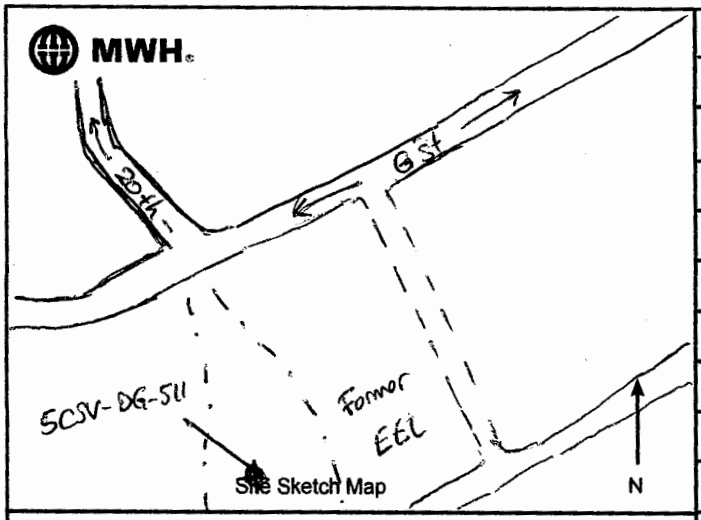
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Boring ID: 5CSV-DG-511	Sheet 1 of 2
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 5C
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Kilhullen
Drill Rig Type/Method: Hand auger	
Sampler Type: Grab	
Borehole Diam (inch): 3.25	Total Depth (ft bgs): 14.0
Drill Bit Type: Std. Hand auger bucket	
Drill Start Time/Date: 0740 / 6-12-14	Drill Finish Time/Date: 0845 / 6-12-14
Soil Vapor ID: 5CSV-DG-511	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 0905 / 6-12-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0, 13.0-14.0	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probes
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Mound of fill in bet. drainage

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, moist, fine sand, non-plastic silt, trace medium sand, fill, gravel debris (qtz)	-	-	TR	60	40/
						1							
						2	CL	Silty Clay (CL), dark yellowish brown (10YR 4/4), med. stiff to soft, slightly moist, low to med. plasticity clay, no stains or odors, possibly native soil	-	-	-	-	20/80
						3							
						4							
						5							
						6							
						7		@7' color changes to yellowish brown (~~10~~ 10YR 5/4)					
						8							
						9	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, ~~low~~ plastic silt, no odors, light iron staining (brownish yellow-10YR 6/8), native	-	-	-	65	35/

V.V.

Boring ID: SCSV-DG-511 Project: Phase 3 DOE SVDG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10							
						11							
						12							
						13	SP-SM	V.V. Graded Poorly Graded Sand w/ silt (SP-SM) light yellowish brown (10 YR 6/4), loose, dry, fine sand, silt, no odors or stains, native soil	-	-	-	90	10
						14	Br	Sandstone, weathered					
						15							
						16							
						17							
						18		TD = 14.0, refusal on bedrock, install vapor probes at 7.0-8.0 and 13.0-14.0. No soil samples collected.					
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

7-8, 13-14

MWH

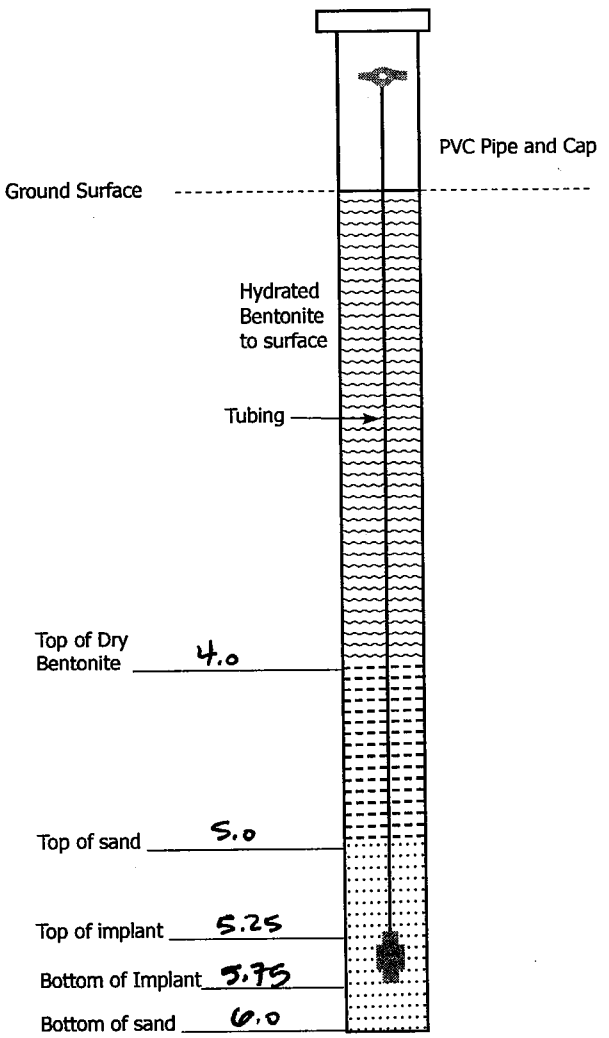
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV - DG - ~~513~~ 513 (AP)
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA SC
Reviewed by:
Logged by: ANDREW PAYNE

Drilling Contractor: EST
Rig Type/Method: HANDAUGER / GRAB
Driller: MATTIN KILHULLEN

Borehole TD: 6'
Probe Completion Date/Time: 6/11/14 1330
Borehole Diameter: 3.25"



Vapor Implant Specs

Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs

Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite

Type: #8
Manufacturer: CETCO

Hydrated Bentonite

Type: #8
Manufacturer: CETCO

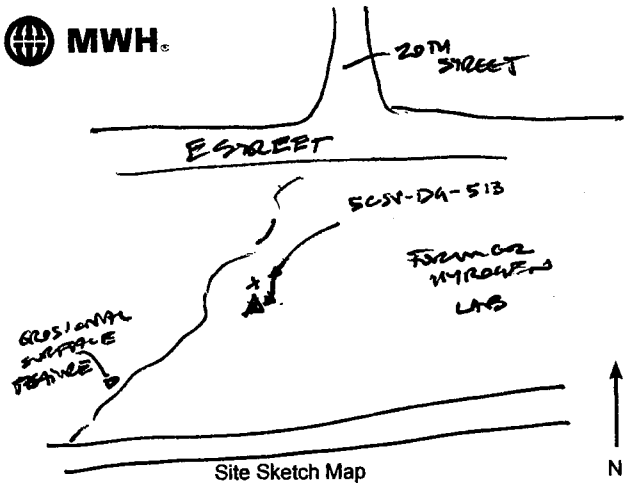
~~SC SV~~ (AP)

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



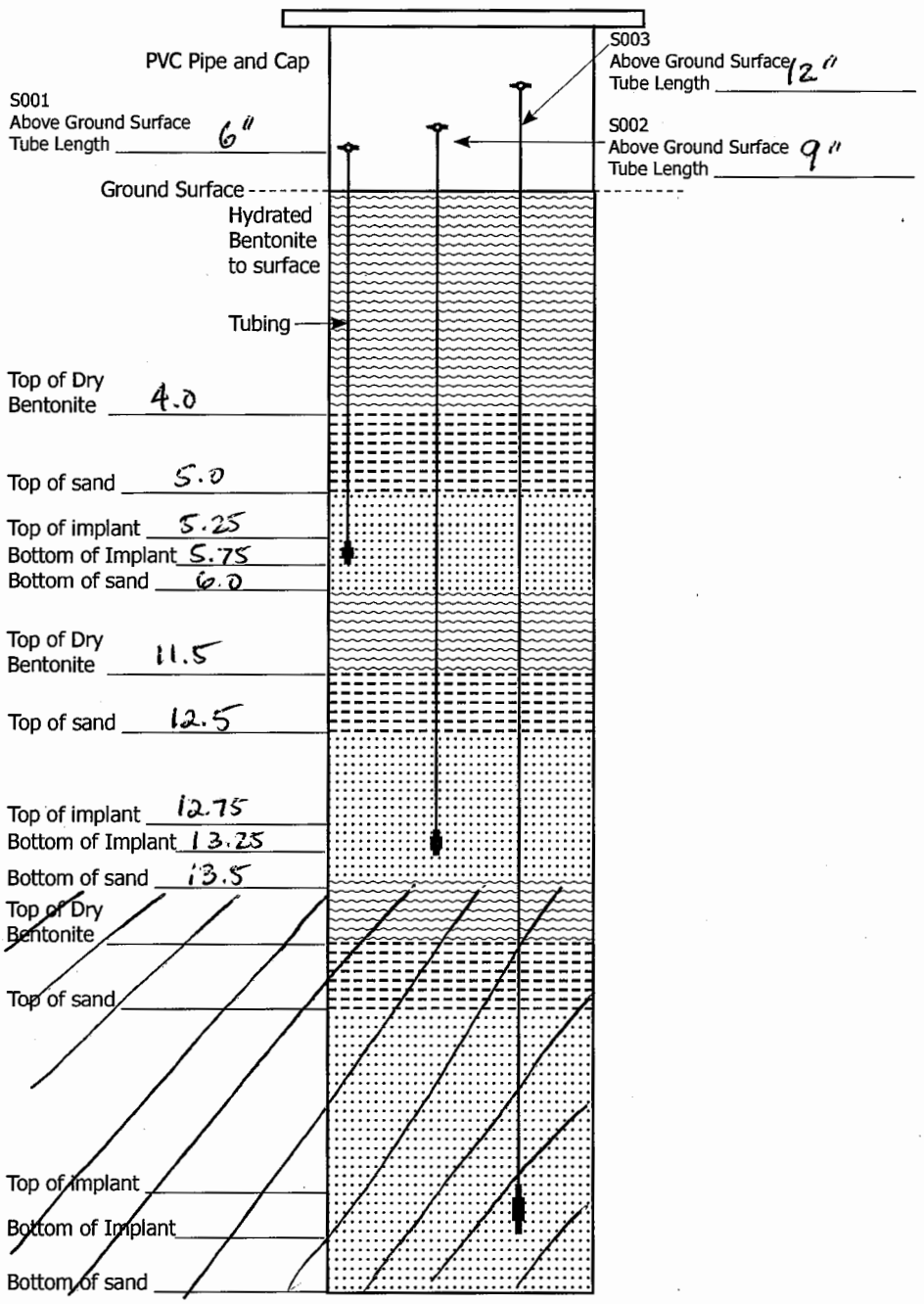
Site Sketch Map

Boring ID: SCSV-DG-513	Sheet 1	of 1	
Project: Phase 3 DOE Data Gap Sampling 2014			
Job #: 10503982.3050106 / 10503982.3060106	Site: SA SC		
Logged By: ANDREW OSTYNE	Reviewed By:		
Drilling Contractor: EST	Drillers Name: MARTIN KILHAMLON		
Drill Rig Type/Method: HANDAUGER			
Sampler Type: HANDAUGER / BRASS			
Borehole Diam (inch): 3.25"	Total Depth (ft.bgs): 6'		
Drill Bit Type: HANDAUGER BUCKET			
Drill Start Time/Date: 1253 6/11/14	Drill Finish Time/Date: 1320 6/11/14		
Soil Vapor ID: SCSV-DG-513	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 6/11/14 1330	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0'	Surface Completion: SOIL VAPOR PROBE		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations Surface Description: GRASSES, SMALL MUSTARD					
								SM & SILTY SAND, DRY, BROWN (10YR 4/3), LOOSE, FINE TO MED SAND, SUBANG TO SUBROUNDED, TRACE COARSE SAND, TRACE CLAY PIPE PIECES. FILL.	—	5	15	60	20
0.0						1							
						2		LOOSE TO MED DENSE @ 2.5 TO 4.75' BGS					
						3							
0.0						4							
						5	SP-SM	SAND W/ SILT (SP-SM), DRY, LOOSE, PALE BROWN (10YR 6/3) TO BROWN (10YR 5/3), FINE TO MEDIUM SAND, ANGULAR TO	—	5	25	55	15
9.0						6	SS	SUBROUNDED. TRACE COARSE SAND					
								TD = 6'; REFUSAL ON LIGHTCRETE SS					
						7		BEDROCK, WEAK, FRIABLE.					
								SEE VAPOR PROBE @ 5-6' @ 1330					
						8		- 1ST HOLE REFUSAL @ 6"					
								- 2ND HOLE REFUSAL @ 6' (SW PROBE MOVED 1' SOUTH					
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-515
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA SC
Logged by: Van Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 13.5
Borehole Diameter: 2.25"
Probe Completion Date/Time: 1030 / 6-2-14



Vapor Implant Specs

Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs

Grain Size: #3
Manufacturer: Cemex

Dry Bentonite

Type: #8
Manufacturer: Cetco

Hydrated Bentonite

Type: #8
Manufacturer: Cetco

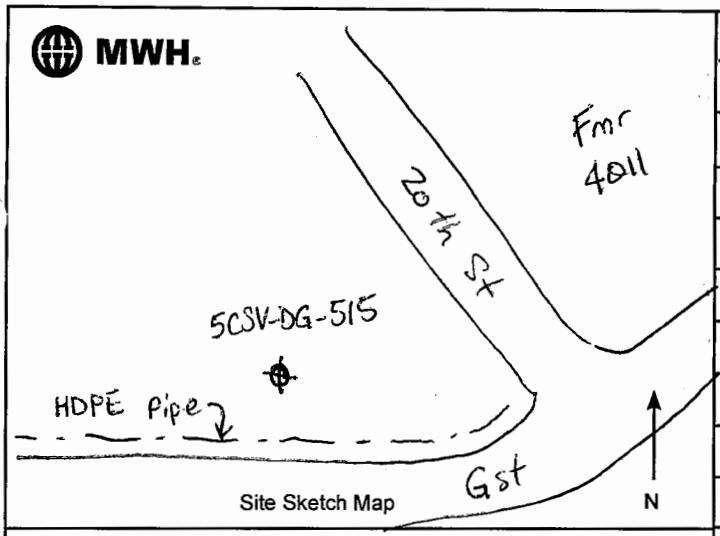
Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

515

MWH



Site Sketch Map

Boring ID: 5CSV-DG-~~561~~ 515	Sheet 1	of 2	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site:		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 13.5		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0942 / 6-2-14	Drill Finish Time/Date: 1007 / 6-2-14		
Soil Vapor ID: 5CSV-DG-515	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1030 / 6-2-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 12.5-13.5	Surface Completion: Soil Vapor Probes		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Soil and weeds, graded					
		48"	NONE			0	SM	Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, medium to fine sand, non-plastic silt, fill, no odors or stains	-	-	20	50	30/
						1							
						2							
						3		@ 3' color changes to dark yellowish brn (10YR 4/6)					
						4							
						5							
536		43"	NONE			6		Silty Sand w/ clay (SM), yellowish brown (10YR 5/4), med. dense, fine sand, low plasticity fines, light gray (10YR 7/2) weathering and yellow staining	-	-	-	65	30/5
						7							
						8	SP SM	(10YR 7/8), fill Poorly Graded Sand w/ silt (SP-SM),			10	80	10/
0.0						9		yellowish brown (10YR 5/6), loose, dry, fine to med. sand, fill, no stains or odors, {non-plastic silt}					

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Boring ID: SCSV-DG-515 Project: Phase 3 DOT SV DG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		NONE				0		~~Silt~~ Silt + Clay increases, med. stiff. (V.V.)	–	–	5	80	10/5
						1	SP	~~Silt~~ Poorly Graded Sand (SP), yellowish brown (10YR 5/4), loose, dry, fine sand,	–	–	–	100	TR
		NONE				2		trace silt, brownish yellow (10YR 6/6) stains (oxidation), native soil.					
0.0						3							
						14	Br	Sandstone, weathered					
						15							
						16		TD=13.5, refusal on bedrock. Install vapor probes at 5.0-6.0 & 12.5-13.5.					
						17		PID ~~reading~~ @ 53.6 ppm @ 5' bgs.					
						18							
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

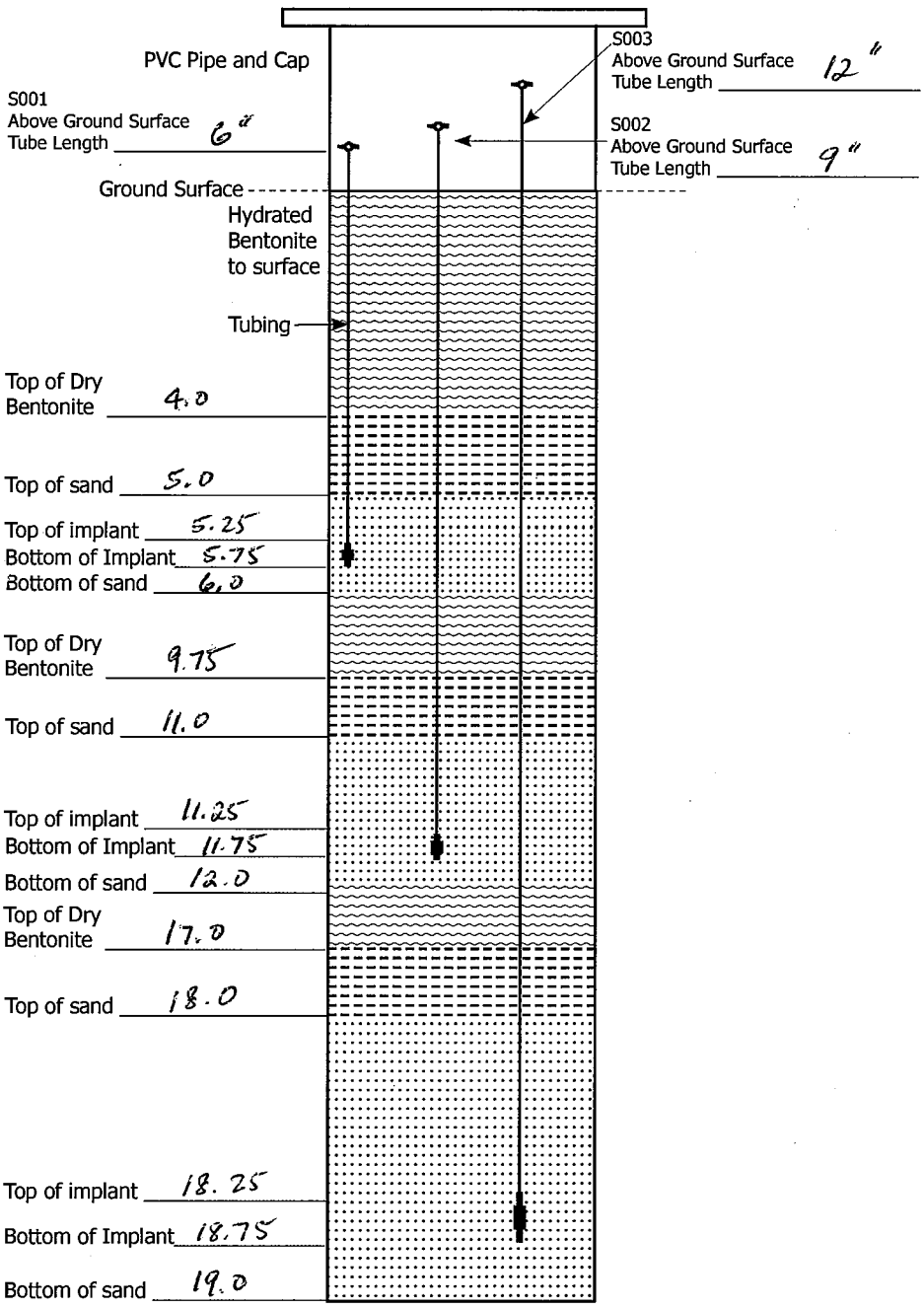
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture
6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-516
Site: SC
Drilling Contractor: EST
Borehole TD: 19.0

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 105039B2
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0935 / 5-30-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

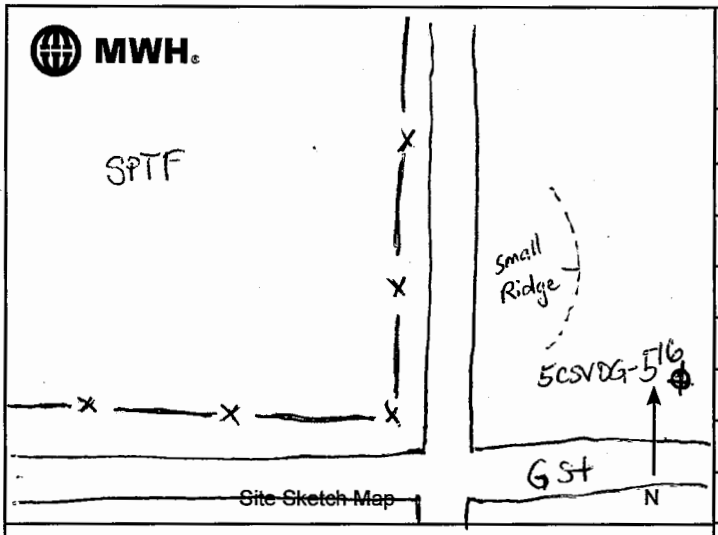
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Boring ID: 5CSV-DG-516	Sheet 1 of 2		
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 19.0		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0750 / 5-30-14	Drill Finish Time/Date: 0905 / 5-30-14		
Soil Vapor ID: 5CSV-DG-516	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 0935 / 5-30-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 18.0-19.0	Surface Completion: Soil Vapor probes		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Graded area w/ road base

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, silt, fine angular gravel, non-cemented, grass roots, asphalt debris, fill	TR	-	-	65	35
		46"	NONE			1		@0.5' grades w/o roots ~~& gravel~~ (V.V.)					
						2		@1.0' increasing fine gravel - Silty Sand w/ Gravel					
						3							
						4							
0.0						5		slightly clayey →	10	5	10	40	25/10
		36"	NONE			6		decomposed feldspars, fill					
						7							
						8							
		36"	NONE			9							

Cont next page

Boring ID: SCSV-DG-516 Project: Phase 3 SV DG Sampling 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10		1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
						11	SC	Clayey Sand (SC), yellowish brown (10YR 5/4), med. dense, fine sand, low plasticity clay, no odors or stains, possibly fill	—	—	—	75	25
0.2		18"	NONE			12	SM SP	~~Silty Sand (SM)~~ Poorly Graded Sand (SP), brown (10YR 5/3), loose, dry; fine sand, trace fine gravel, fill	TR	—	—	100	—
		30"				13							
			NONE			14							
						15							
0.7		12"					SM	Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, low-plasticity silt; fill	—	—	—	75	25
			NONE			16	VJ SM SP	Poorly Graded Sand, brownish yellow (10YR 6/6), loose, dry, fine sand; native soil	—	—	—	100	—
		0"				17							
			NONE			18							
2.3		12"				19	Br	Sandstone, weathered					
						20							
						1		TD = 19.0, refusal on bedrock, install vapor probes at 5.0-6.0, 11-12, 18.0-19.0					
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

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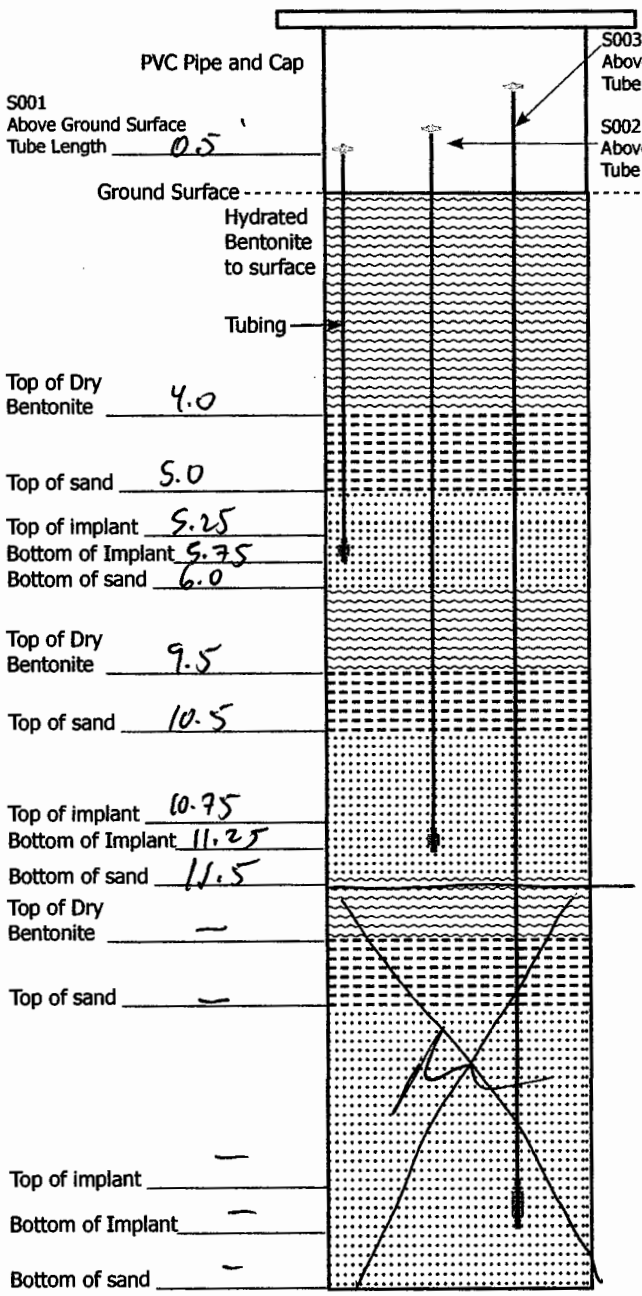
5-6, 11-12, 18-19

MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SC SV DG-518
Project: Phase 3 DOE Data Gap Sampling 2014
Job #: 10503982.3050105/10503982.3060105
Site: SC
Logged by: [illegible]
Reviewed by:
Drilling Contractor: EST
Driller: EST
Rig Type/Method: Geoprobe 5400
Borehole TD: 11.5'
Borehole Diameter: 2.25"
Probe Completion Date/Time: 02 JUN 14/1100



Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco.

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH

Boring ID: SCSV DG-518 Sheet 1 of 2

Project: Phase 3 DOE SVDG 2014

Job #: 10503982.3056106 Site: SC

Logged By: RWS ELLIS Reviewed By:

Drilling Contractor: EST Drillers Name: MARTY KILPATRICK

Drill Rig Type/Method: GEOPROBE 5400

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25" Total Depth (ft bgs): 11.5'

Drill Bit Type: MACROCORE

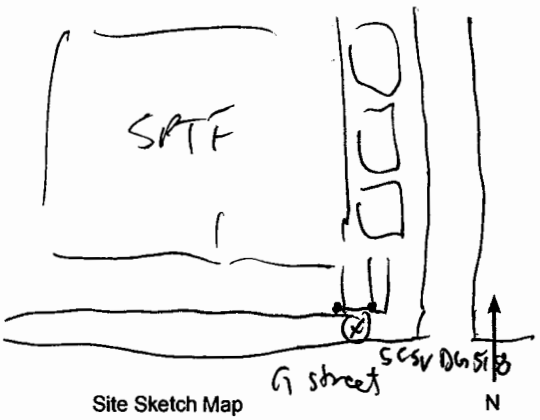
Drill Start Time/Date: 02JUN14, 09:35 Drill Finish Time/Date: 02JUN14, 10:45

Soil Boring Backfill Time/Date: N/A Backfill Material: NA

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Surface Completion: SOIL VAPOR PROBE

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None



Site Sketch Map

Soil Vapor ID: SCSV DG-518

Soil Vapor Well Completion Time/Date: 02JUN14 / 11:00

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0', 10.5-11.5'

Soil Vapor Well Detail Completed (yes/no)

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: ASPHALT	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		48"				0		4" asphalt					
							SP	0.4 - 0.8 graded		M	45		
						1		Poorly ~~sorted~~ graded sand (SP) very	-	15	~~45~~	35	5
							CH	dark grey (10YR 3/1) mixed,					
						2		transition to light brown grey					
								(10YR 6/2), predominant medium					
						3		sand (45), some fine sand (35)					
								little coarse sand (15), few silt					
		48				4		(5), loose, dry, no stain,					
							SP	no odor, fill.					
						5		0.8 - 4.5	-	-	-	20	80
							CL	Clay (CH), very dark brown					
		SVL-518-SASC-5.5-6.0				6		(10YR 2/2), hard, very dense,					
		@10:40						very high dry strength, slow					
0.0		10 min long 18 gauge				7		dilatency, high toughness,					
								no stain, no odor. fill					
						8							
		36"						4.5-5.0					
						9		Transition lens of poorly					
								graded sand (SP), gray (10YR 6/1)	-	30	50	25	5
								~~30~~ Mixed coarse med fine sand (SP)					

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Boring ID: 5CSV DG-518 Project: Phase 3 DOE SVDG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						10	CL	Some coarse sand (30), little fine sand (25) and few silt (5)					
						11	SM	No stain, no odor, fill.					
	SVL-518-SASC-SB-11.0-11.5 @ 10:45				TD			5.0-11.0					
0.0	12 ft/min, 31 rpm					2		Clay (CL) yellowish brown (10YR 5/4) rapid dilatancy, medium dry strength medium tough, no stain, no odor, fill.	-	-	-	35	65
						3							
						4		11.0-11.5					
						5		Silty sand (SM) yellowish brown, (10YR 5/6), loose, moist, Predominant medium sand (40%), some fine sand (30), little silt (25), few coarse (5)	-	5	40	30	25
						6							
						7		No stain, no odor native					
						8		TD @ 11.5' bgs					
						9		Refusal on sandstone bedrock					
						0		Samples taken @					
								10:40 5.5' SVL-518-SASC-SB-5.5					
						1		10:45 11.0' SVL-518-SASC-SB-11.0					
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

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Multiple Soil Vapor Probe Construction Diagram

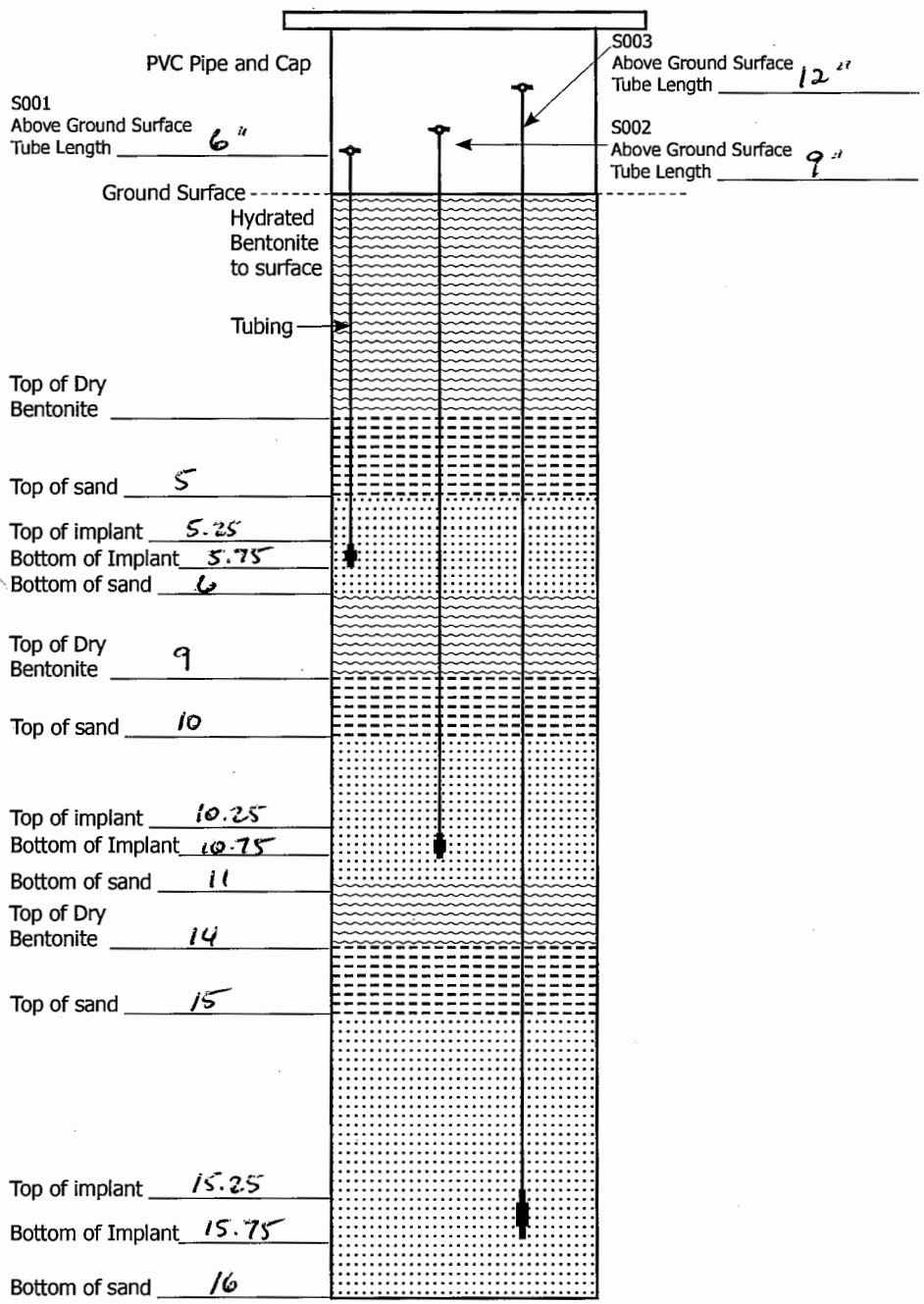
MWH

Probe ID/Soil ID: 5CSV-DG-525 | Project: DoE Phase 3 SV DG | Job #: 10504332 3982 (V.V.)

Site: 5C | Logged by: V. Vathanasin | Reviewed by:

Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400 / DP

Borehole TD: 21.0 | Borehole Diameter: 2.25" | Probe Completion Date/Time: 1245 / 5-30-14



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: # 3

Manufacturer: Carnes

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: # 3

Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-525 | Project: Phase 3 DOE SVDG | Job #: 10503982

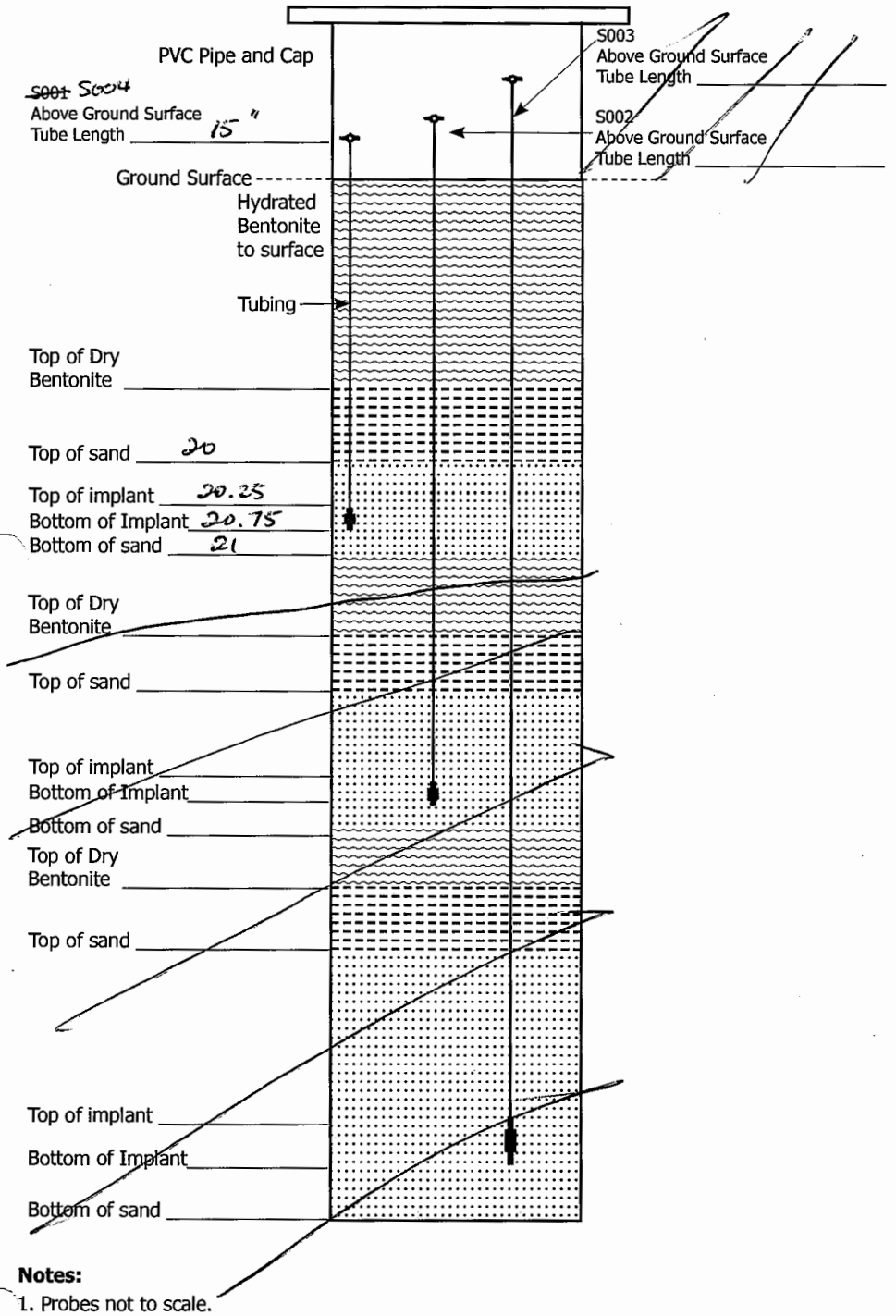
Site: SC | Logged by: V. Vathanasin | Reviewed by: _____

Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400/DP

Borehole TD: N.D | Borehole Diameter: 2.25" | Probe Completion Date/Time: 12:15/5-20-14

Continued from P. 1 of 2.

Deepest probe



Vapor Implant Specs

Material: _____

Length: _____

Diameter: _____

Tubing Specs

Material: _____

Diameter: _____

Color: _____

Sand Pack Specs

Grain Size: _____

Manufacturer: _____

Dry Bentonite

Type: _____

Manufacturer: _____

Hydrated Bentonite

Type: _____

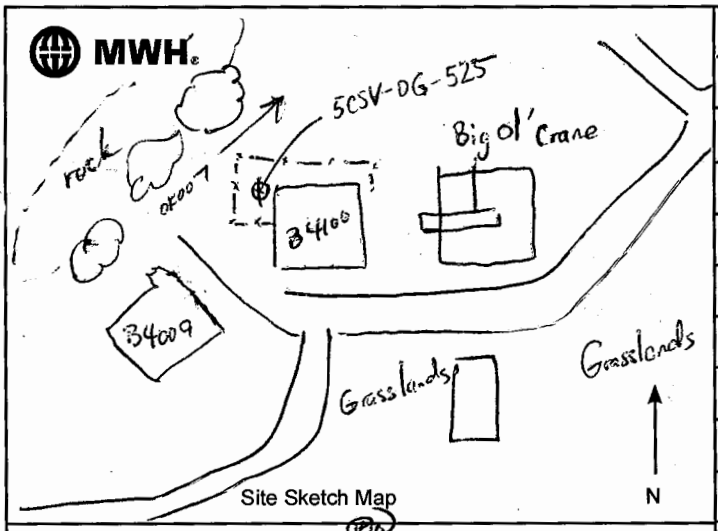
Manufacturer: _____

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5CSV-DG-525 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5C

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 21.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1025 / 5-20-14 Drill Finish Time/Date: 11:30 / 5-20-14

Soil Vapor ID: 5CSV-~~525~~ (P.V.) DG-525

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 12:15 / 5-20-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None (V.V.)

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Concrete

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		7" Concrete					
						1	SW-SM	Well Graded Sand w/ Silt (SW-SM), brownish yellow (10YR 6/6), med. dense, moist, fine to coarse sand, weathered mica, low plasticity silt, no odors or stains, fill	-	10	30	50	10/
		48"				2	ML		-	-	-	15	85/
						3		@ 1' Silt w/ Sand (ML), brown (10YR 5/3), med. stiff, moist, low plasticity silt, fine sand, fill					
						4	CL	@ 2' color changes to dark brown (10YR 3/3).	-	-	-	-	100
					11:44	5							
		48"				6	ML	@ 4'-4.25' Clay (CL), very dark brown (10YR 2/2), med. stiff, moist, med- to high plasticity clay, native soil					
				SVL-525-SA5C-SS	5.0-6.0	7		@ 4.25 Silt w/ Sand (~~SM~~ ML), very dark grayish brown (10YR 3/2), med.	-	-	-	-	100
						8	CL	stiff, dry, low plasticity silt, fine sand, native.					
		48"				9		Fat Clay (CL), very dark gray (10YR 3/1), med. stiff, moist, medium plasticity clay.					

Adjusted intervals down 1"

cont next page

Boring ID: 5CSV-DG-525 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		48"	X		11:49	10		@ 10' Color changes to brown (10 YR 5/3)	-				
		SVL-525-SA5C-SB-10.0-11.0				11							
						12							
		24" ~~100~~				13	SC	Sandy Clay (SC), yellowish brown (10YR 5/4), stiff, moist, med. plasticity clay, fine sand	-	-	-	20	80
		24"				14							
			X	11:54		15	SC	Grades to clayey sand (SC) →	-	-	-	60	40
		SVL-525-SA5C-SB-15.0-16.0				16							
						17	SM	Silty Sand (SM), yellowish brown (10YR 5/8), med. dense, dry, fine sand, non-plastic silt, no odors, no stains.	-	-	-	60	40
		45"				18	SP	Poorly Graded Sand (SP), brownish yellow (10YR 6/6), w/ mottled light gray (10YR 7/2), med. dense, dry, fine sand, friable, native, close to weathered bedrock.	-	-	-	100	-
						19							
						20							
		6"				21	B.	@ 21' Sandstone, weathered.					
						2		TD = 21.0' from ~~ground~~ ground surface (i.e. top of concrete) Refusal on bedrock. Install vapor probes at 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0. Collect encores and place on hold at 5.0-6.0, 10.0-11.0, and 15.0-16.0 due to possible low-flow conditions.					
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1140
1140
~~1150~~
1150

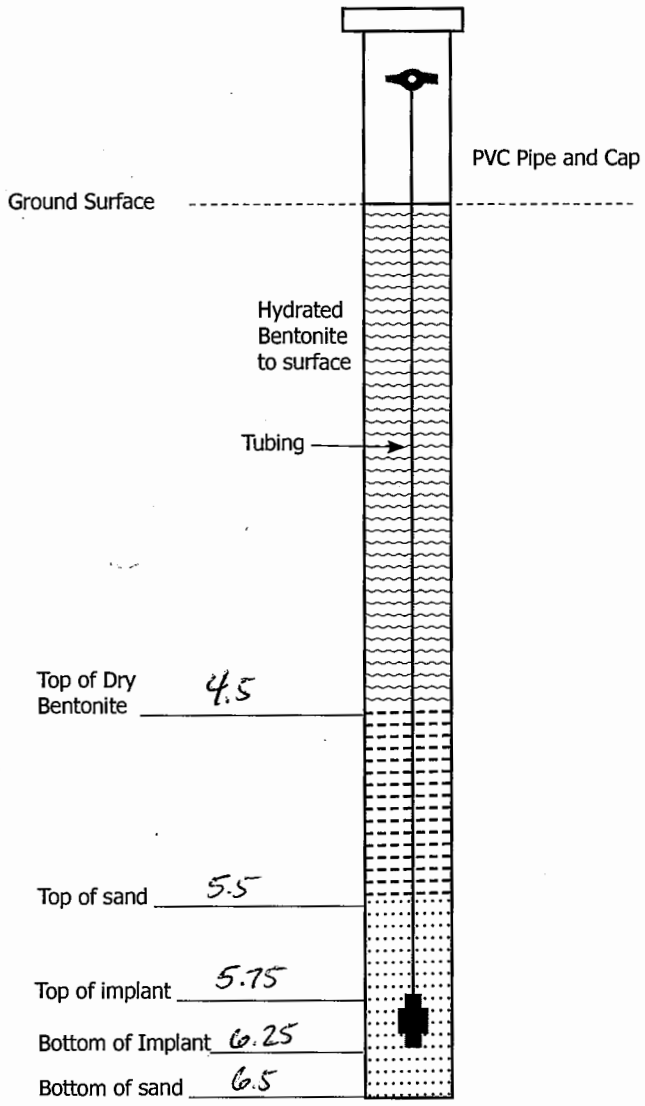
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-528 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA SC | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes.

Borehole TD: 6.5 | Probe Completion Date/Time: 1334 / 5-28-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: (V.V.) ~~Cetco~~ Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

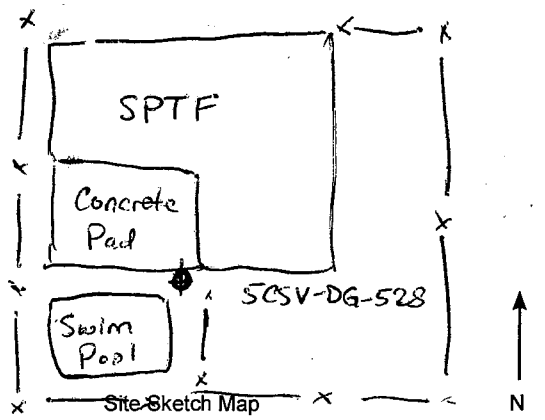
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

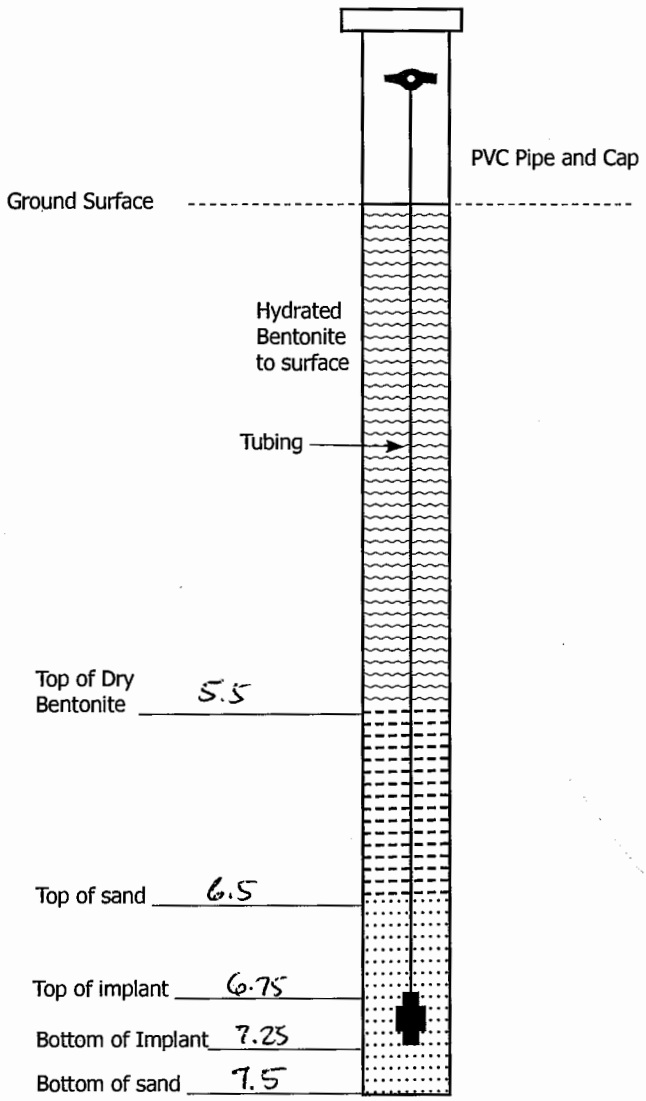
Boring ID: SCSV-DG-528	Sheet 1	of 1	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: SC		
Logged By: V. Vatharasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.5		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 1300 / 5-28-14	Drill Finish Time/Date: 1309 / 5-28-14		
Soil Vapor ID: SCSV-DG-528	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1334 / 5-28-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.5-6.5	Surface Completion: Install vapor probe		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: Asphalt	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		3" Asphalt	50	10	15	20	5
						1	GW SW	Sandy Gravel (GW), brown (10YR 4/3) with pale brown (10YR 6/3) gravel, loose, dry, fine gravel, fine to coarse sand, fill, road base, dark stains (very dark brown (10YR 2/2))					
		40"				2	SM		-	-	-	70	30
									10	-	-	60	30
						3			-	-	-	65	35
								@ 1.3' Silty Sand (SM), dark grayish brown (10YR 4/2), med. dense, moist, fine sand, dark yellowish brown (10YR 4/6) oxidation, fill					
		30"				4							
						5		@2' grades with weathered gravel					
						6		@2.5' color changes to yellowish brown (10YR 5/4), no gravel, fill					
						7	Br						
						8		@6.5 Strong oxidation and highly weathered Sandstone, weathered					
						9		TD = 6.5', refusal on bedrock, install probe at 5.5-6.5					

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SCSV-DG-530
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SC
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 7.5
Probe Completion Date/Time: 1504/5-20-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

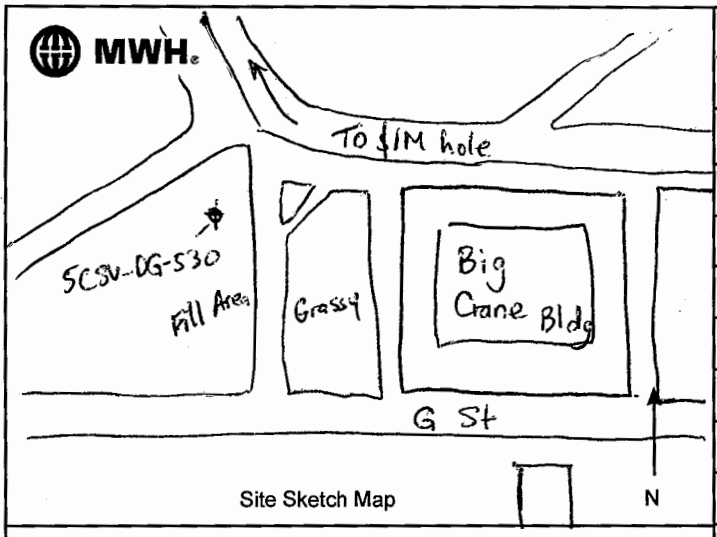
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SCSV-DG-530 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA 5C

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 7.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1430 / 5-20-14 Drill Finish Time/Date: 1445 / 5-20-14

Soil Vapor ID: SCSV-DG-530

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1504 / 5-20-2014

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 6.5-7.5'

Surface Completion: Soil Vapor Probe

Soil Vapor Well Detail Completed (yes/no)

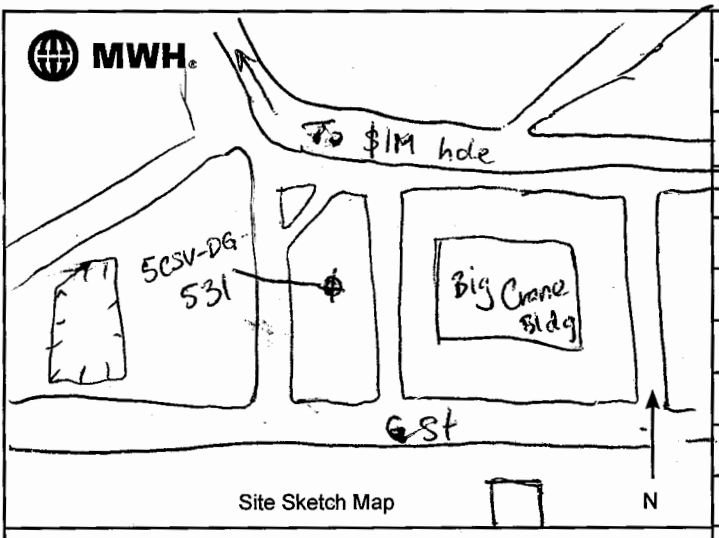
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: Gentle Slope, gravel, grass Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, non-cemented, no odors or stains, fill	-	-	-	60	40
		42"	NONE			1							
						2	ML	@1' asphalt staining, very dark gray (10YR 3/1).	-	-	-	10	90 V.E
								@2' staining disappears. Silt w/ Sand (ML), light yellowish brown (10YR 6/4), med. stiff, dry, non-plastic silt, fine sand, fill, layer apperance -					
						3							
						4							
						5							
		36"	NONE			6	SP	V.E SP Poorly Graded Sand (SP), very pale brown (10YR 7/4), loose, dry, fine sand, fill.	—	-	-	100	-
						7		color changes to brownish yellow (10YR 6/6), native.					
						8		@ 7.5 Sandstone. TD = 7.5', refusal on bedrock, install vapor probe 6.5'-7.5' bgs.					
						9							

QA/QC

Surficial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: 5CSV-DG-531 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5C

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 2.9

Drill Bit Type: Macrocore

Drill Start Time/Date: 1340 / 5-30-14 Drill Finish Time/Date: 1401 / 5-30-14

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: ~~30~~ (V.V) Backfill Material: Soil cuttings.

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

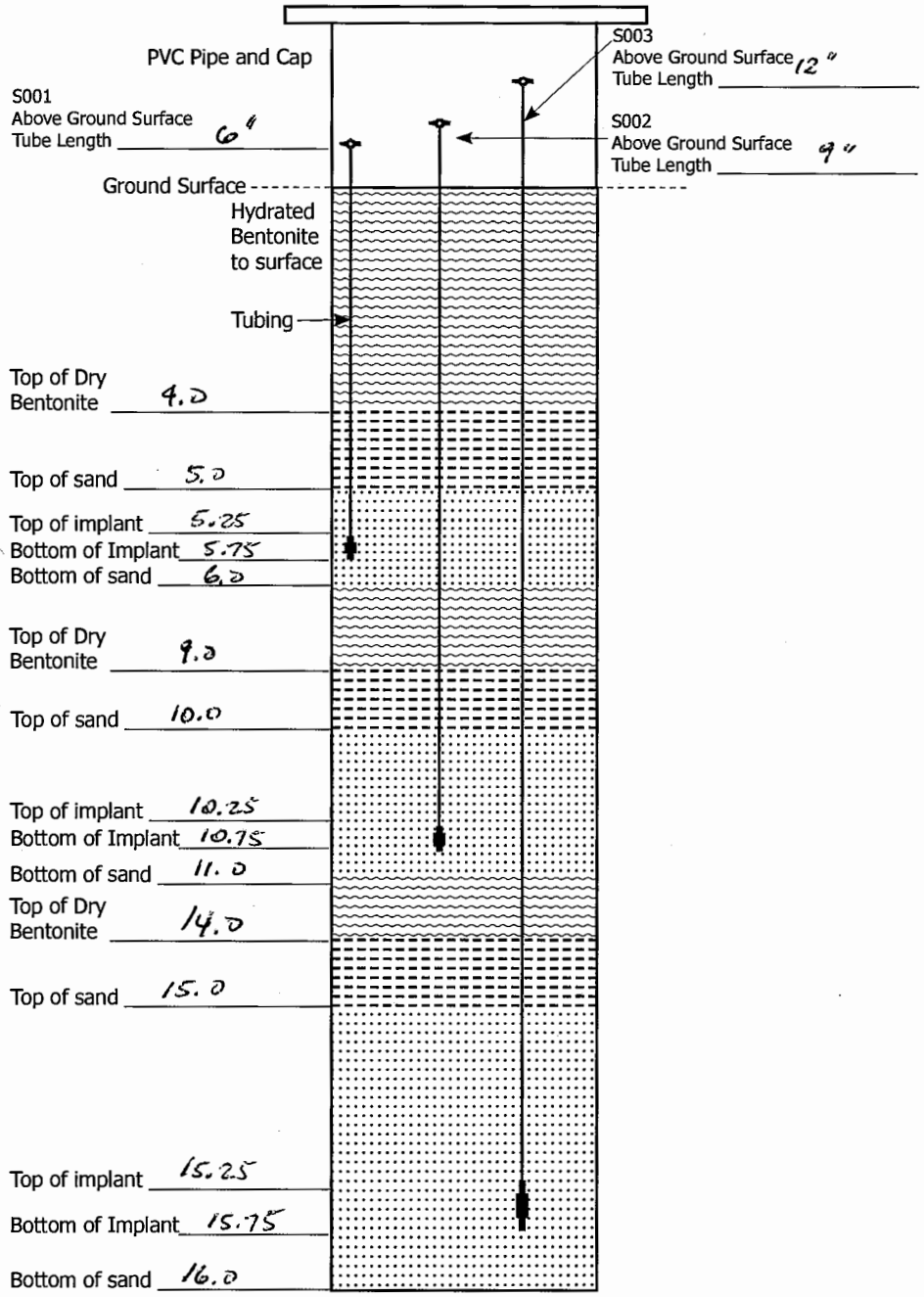
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Grass

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X	30"				0	SM	Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, silt, roots.	-	-	-	60	40
						1							
						2		grades with slightly coarser ~~fragm~~ grains (still fine sand)	-	-	-	70	30
0.0			X		1405	3							
SVE-531-SASC-SB-2.5-2.9							Br	~~Sandstone~~ Shale, weathered. (V.V.)					
						4		TD = 2.9 ft bgs., refusal on bedrock. Collect encored at 2.5-2.9 ft for voc analyses. Stepped out twice to confirm refusal w/ similar results.					
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-535
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA 5C
Logged by: V. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 16.0
Borehole Diameter: 2.25"
Probe Completion Date/Time: 1145 / 5-28-14



Vapor Implant Specs

Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs

Grain Size: #3
Manufacturer: Cemex

Dry Bentonite

Type: #8
Manufacturer: Cetco

Hydrated Bentonite

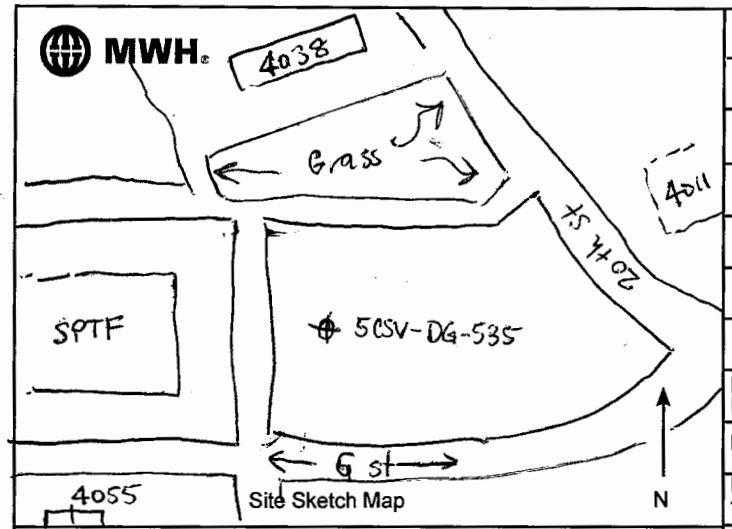
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5CSV-DG-535	Sheet 1	of 2	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs):	16.0	
Drill Bit Type: Macrocore			
Drill Start Time/Date: 1035 / 5-28-14	Drill Finish Time/Date: 1120 / 5-28-14		
Soil Vapor ID: 5CSV-DG-535	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1145 / 5-28-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0	Surface Completion: Soil vapor probes		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Dry grass, E of SPTF					
								Silty Sand (SM), brown (10YR 4/3), med. dense, dry, fine sand, non-plastic	-	-	-	55	45/
			NONE			1		silt, no stains or odors, well compacted,					
		48"						non-cemented, fill	-	-	-	55	35/10
						2		@1.5' grades w/ pale yellow (2.5Y 8/4) weathered					
								sand nodules, ~~very~~ low to med plasticity					
						3		clay, fill					
0.0			NONE			4							
		24"						@ 3.5' grades to very dense.					
						5		@ 5.0 grades w/o clay, color changes	-	-	-	60	40/
			NONE			6		to brownish yellow (10YR 6/6), fill					
		24"				7							
0.0						8							
		24"	NONE			9							

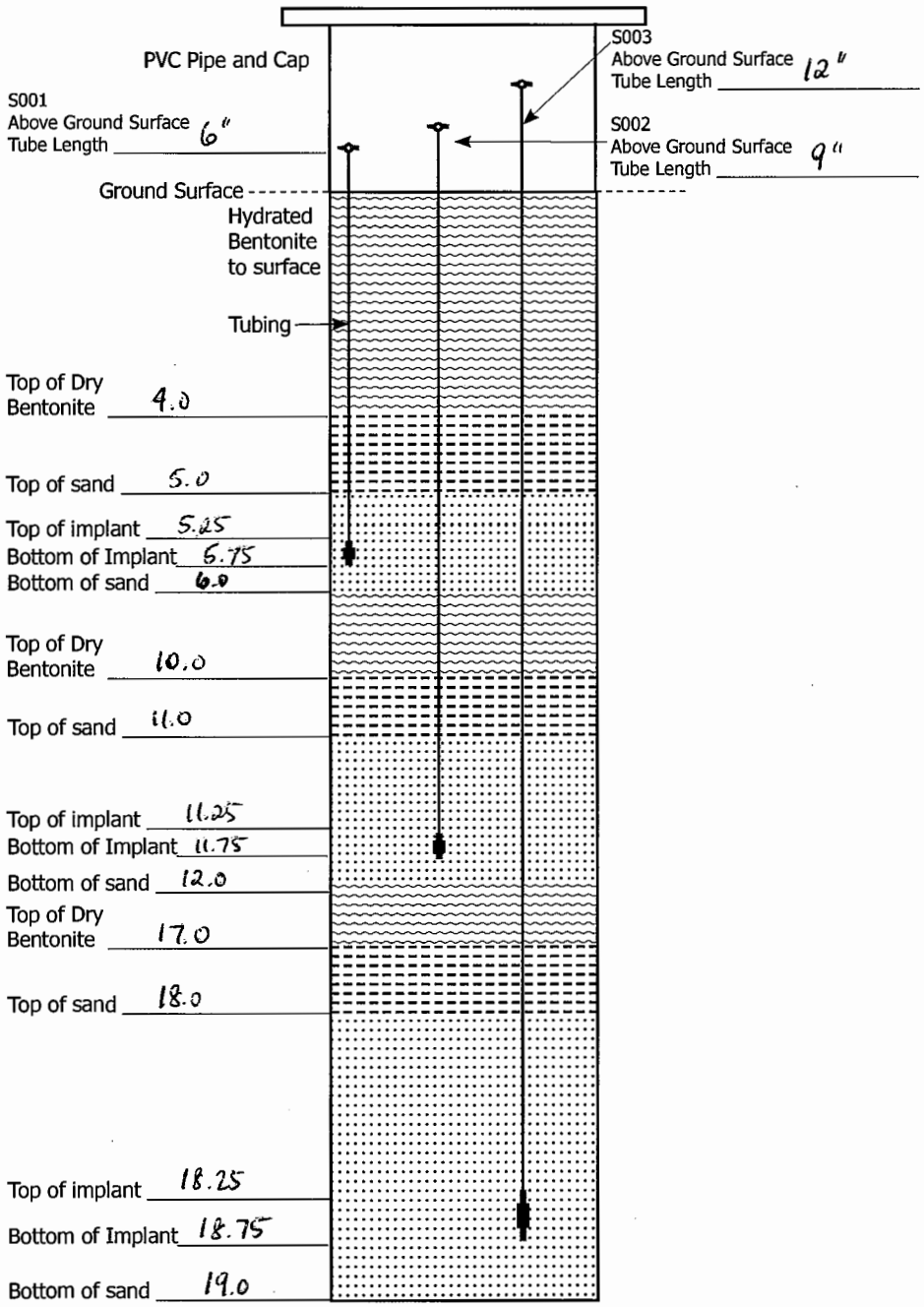
Boring ID: SOSV-DG-535 Project: Phase 3 DOE SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		24"				10	SM	Same as above - chomogenous fill material.					
1.4						11							
						12							
		36"				13		Grades w/ fine angular gravel and low plasticity clay	10	5	5	35	35/10
			None			14		@14' grades w/o gravel (Silty Sand w/ clay)	—	-	—	50	30/20
						15	SP	Poorly Graded Sand w/ Silt (SP-SM), very	-	-	-	90	10/
1.8		12"				16		pale brown (10YR 7/4), loose, dry fine					
							Br	sand; silt, mottles, brownish yellow (10YR 6/8) oxidation, native soil					
						17							
								Sandstone, weathered					
						18							
						19		TD = 16.0 ft; refusal on bedrock - install					
						20		vapor probes at 5.0-6.0, 10.0-11.0					
								and 15.0-16.0					
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SCSV-DG-543
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA 5C
Logged by: V. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 19.0 ft
Borehole Diameter: 2.25"
Probe Completion Date/Time: 1230 / 5-30-14



Vapor Implant Specs

Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs

Grain Size: # 3
Manufacturer: Cemex

Dry Bentonite

Type: #8
Manufacturer: Cetco

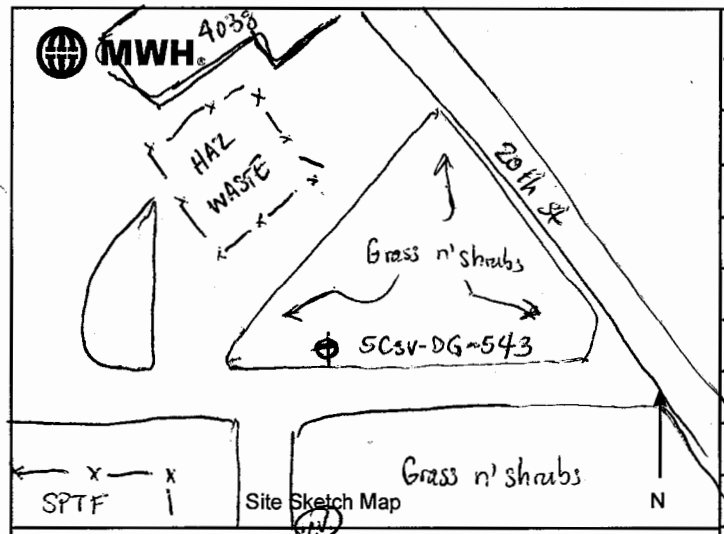
Hydrated Bentonite

Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2



Site Sketch Map

Boring ID: SCSV-DG-543	Sheet 1	of 2	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: SASC		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 19.0		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 1010 / 5-30-14	Drill Finish Time/Date: 1100 / 5-30-14		
Soil Vapor ID: SCSV-~~DG~~ DG-543	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 1230 / 5-30-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 18.0-19.0	Surface Completion: Soil Vapor probes		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Graded backfill					
								Silty Sand (sm), dark yellowish brown (10YR 4/6), loose, dry, fine sand, non plastic silt, no odors or stains, fill.	–	–	–	60	40
						1							
						2							
		46"						@ 1.4' becomes slightly stratified with very pale brown (10YR 8/3) nodules (weathered sand?).					
						3							
						4							
						5							
0.0													
		48"				6							
						7							
								grades to medium dense, less silt content faint oxidation (brownish yellow (10YR 6/6)), no longer stratified.	–	–	–	70	30
						8							
						9							

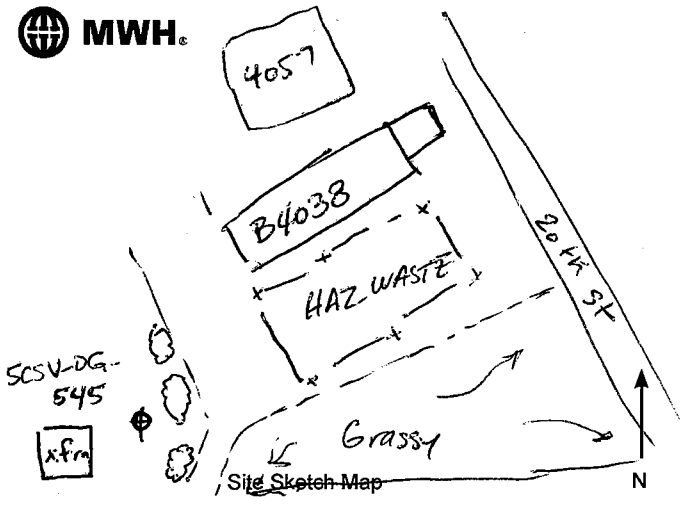
Boring ID: 5CSV-DG-543 Project: Phase 3 DOE SV DG Sampling 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
V.V. 0						10	SP	Poorly Graded sand (SP), light yellowish brown (10YR6/4), loose, dry, fine sand, no odors	-	-	-	100	-
0.0		36"				11	V.V.	~~no stains~~, yellowish brown (10YR 5/6) of dilation, fill					
						12	SW	11.75 - 12.1 = well Graded Sand (SW) medium to fine sand,					
							SM						
						13		@13' very dark grayish brown (10YR 3/2) staining, ~~light yellowish brown~~ (V.V.) Silty Sand (SM)	-	-	30	45	25
						14		dark yellowish brown (10YR 4/6), ~~loose~~ med. dense, dry,	V.V.				
		30"				15	SP	fine sand, non-plastic silt, few dark stains, no odors,	-	-	-	100	-
									-	-	-	80	20
						16	SM	@14.5' - 15.1 Poorly Graded Sand (SP) yellowish brown (10YR 5/6), loose, dry,	-	-	-	100	- V.V.
		30"				17		fine sand, native (?), no stains or odors.					
						18		Silty Sand (SM), yellowish brown (10YR 5/4), loose, slightly moist, fine sand, non-plastic silt, very weak silt cement, native soil					
0.0						19	B						
						20		@18.5 color changes to yellowish brown (10YR 5/8					
						1		@19 Sandstone, weathered.					
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

5-6 11-12 18-19

MWH



Site Sketch Map

Boring ID: SCSV-DG-545	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SASC
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1352 / 5-28-14	Drill Finish Time/Date: 1403 / 5-28-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1410 / 5-28-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: Graded, grass and shrubs					
0.0		40"				1		Silty Sand (SM), light yellowish brown (10YR 6/4), med. dense, dry, no stains or odors, fill, roots	-	-	-	60	40
						2		@ 1.6' color changes to brownish yellow (10YR 6/6) - native soil					
						3		@ 2.9 Ft - large root from shrub - root was moist and possibly alive.					
0.0			X		1410								
SVL-S45-SASC-SB-3.0-3.5							Br	Sandstone, weathered					
						4							
						5		TD = 3.5 ft; collect encores for VOC analyses. No probes installed.					
						6							
						7							
						8							
						9							

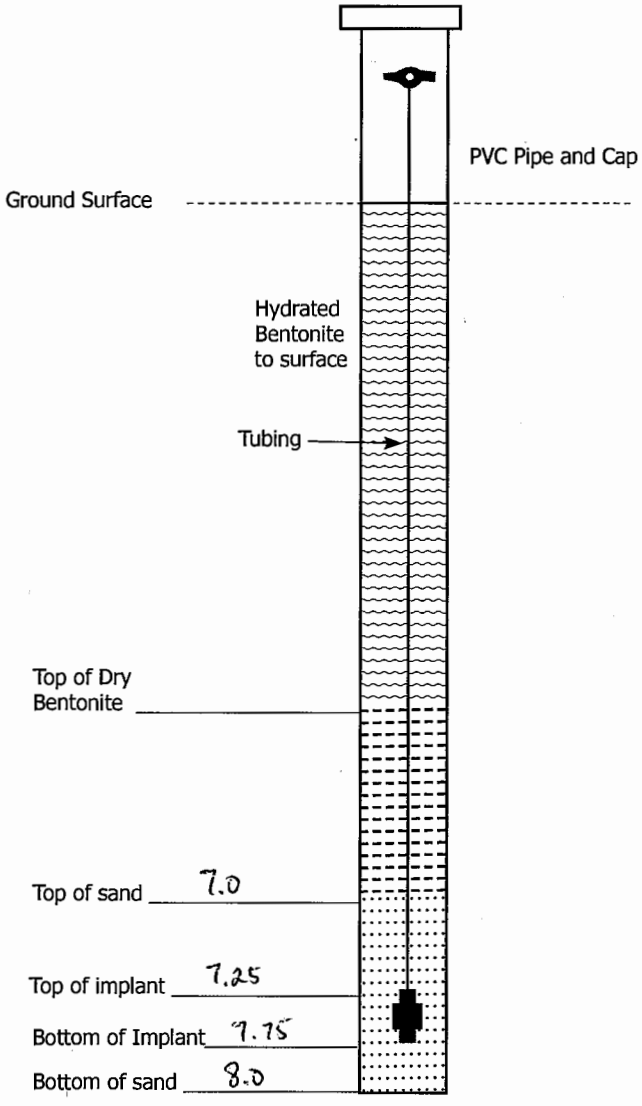
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-549 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SC | Reviewed by: | Logged by: V. Vathanasen

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 8.0 | Probe Completion Date/Time: 1335 / 5-30-14 | Borehole Diameter: 2.25



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

Single Soil Vapor Probe Construction Diagram

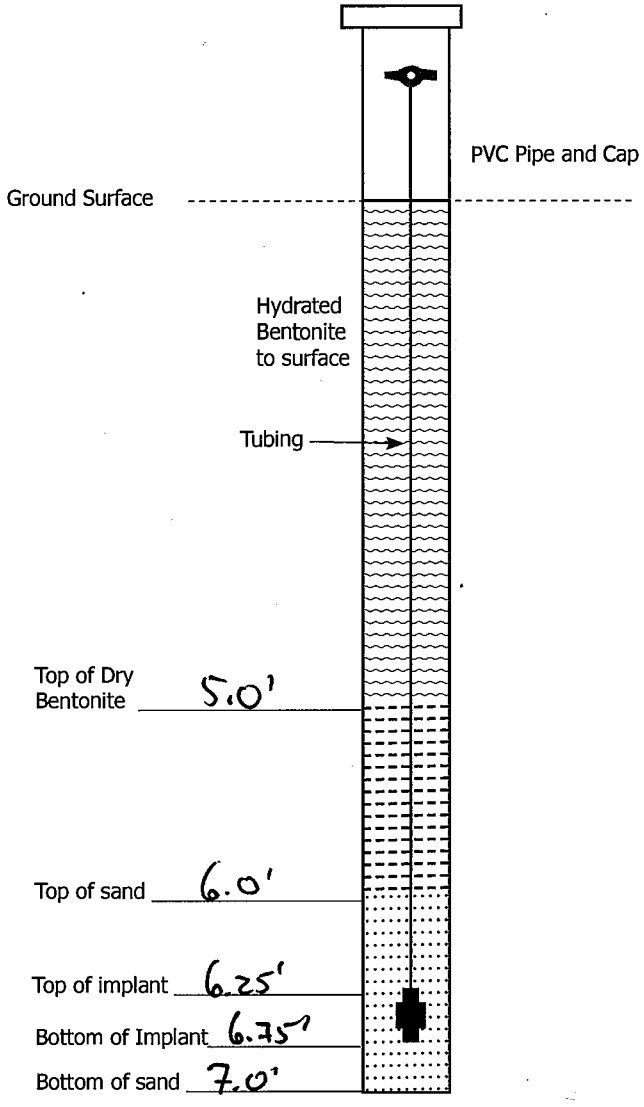
MWH

Probe ID/Soil ID: SCSV_DH-549 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 20

Site: SC Reviewed by: Logged by: Mark Sellers

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: Morgan Hughes

Borehole TD: 8.85' bgs Probe Completion Date/Time: 10 JUN 14, 1450 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Comex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

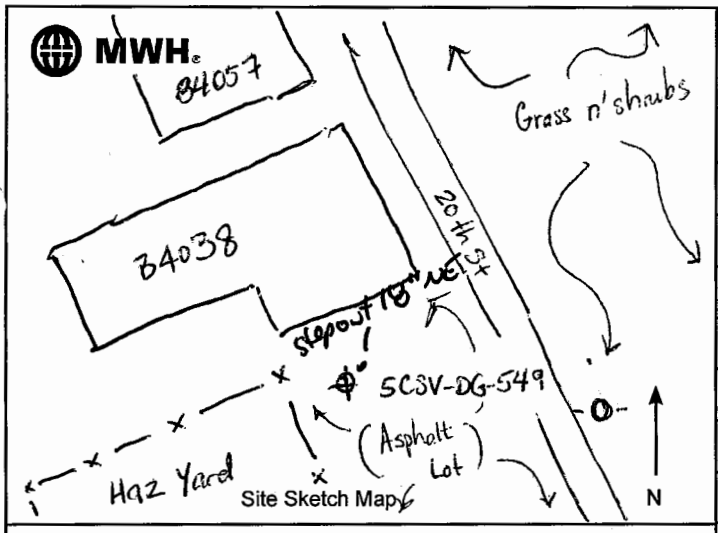
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5CSV-DG-549	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 5C
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1257 / 5-30-14	Drill Finish Time/Date: 1314 / 5-30-14
Soil Vapor ID: 5CSV-DG-549	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1335 / 5-30-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	Surface Completion: Soil vapor probes
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

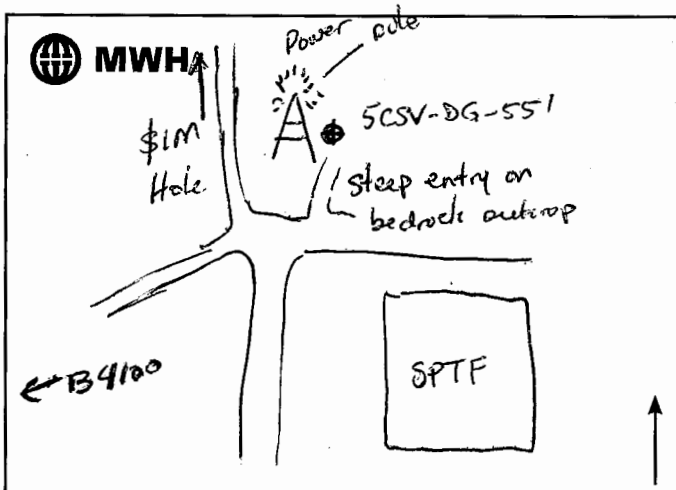
Surface Description: Asphalt lot S. of 4038

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	AF	3" Asphalt.	–	–	–	75	25
							SM	Silty Sand w/ gravel (SM), dark yellowish brown (10YR 3/4), loose, moist, fine sand, non-plastic silt, dark asphalt stains, road base (gravel) at the surface, no odors fill					
		40"	NONE			1							
						2							
						3	ML	Silt (ML), dark yellowish brown (10YR 4/6), med. stiff, moist, low-plasticity silt, no odors or stains, weak silt cement, fill	–	–	–	~~–~~	~~100~~
						4					5	20	75
								• stepout 18" NE of previous					
		36"	NONE			5	~~ML~~ V.V.	• Sample SVL-549-SA5C-SB-6.3-6.8 6.3-6.8' bgs @ 14:23	Begin hole 14:02				
						6		• Set probe 6.0-7.0' bgs; 14:50 TD = 8.85' bgs	End hole 14:22				
		18"	NONE			7		@7' Asphalt debris					
						8	SM	10 μRem, 42 cpm, 0.0 ppm					
							Br						
*TD = 8.0; refusal on bedrock						9	~~SM~~ V.V.	Silty Sand (SM), yellowish brown (10YR 5/6), dense, dry, fine sand, non-plastic silt, moderate silt cement, no odors or stains, native soil					

@ 8.0 Weathered Bedrock

QA/QC
Surficial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: SCSV-DG-551	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SC
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 2.8'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1500 / 5-28-14	Drill Finish Time/Date: 1509 / 5-28-14
Soil Boring Backfill Time/Date: 15:20 / 5-28-14	Backfill Material: Soil cuttings.
Soil Vapor ID: N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: N/A	Surface Completion: None
Soil Vapor Probe Depths (ft.bgs): N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

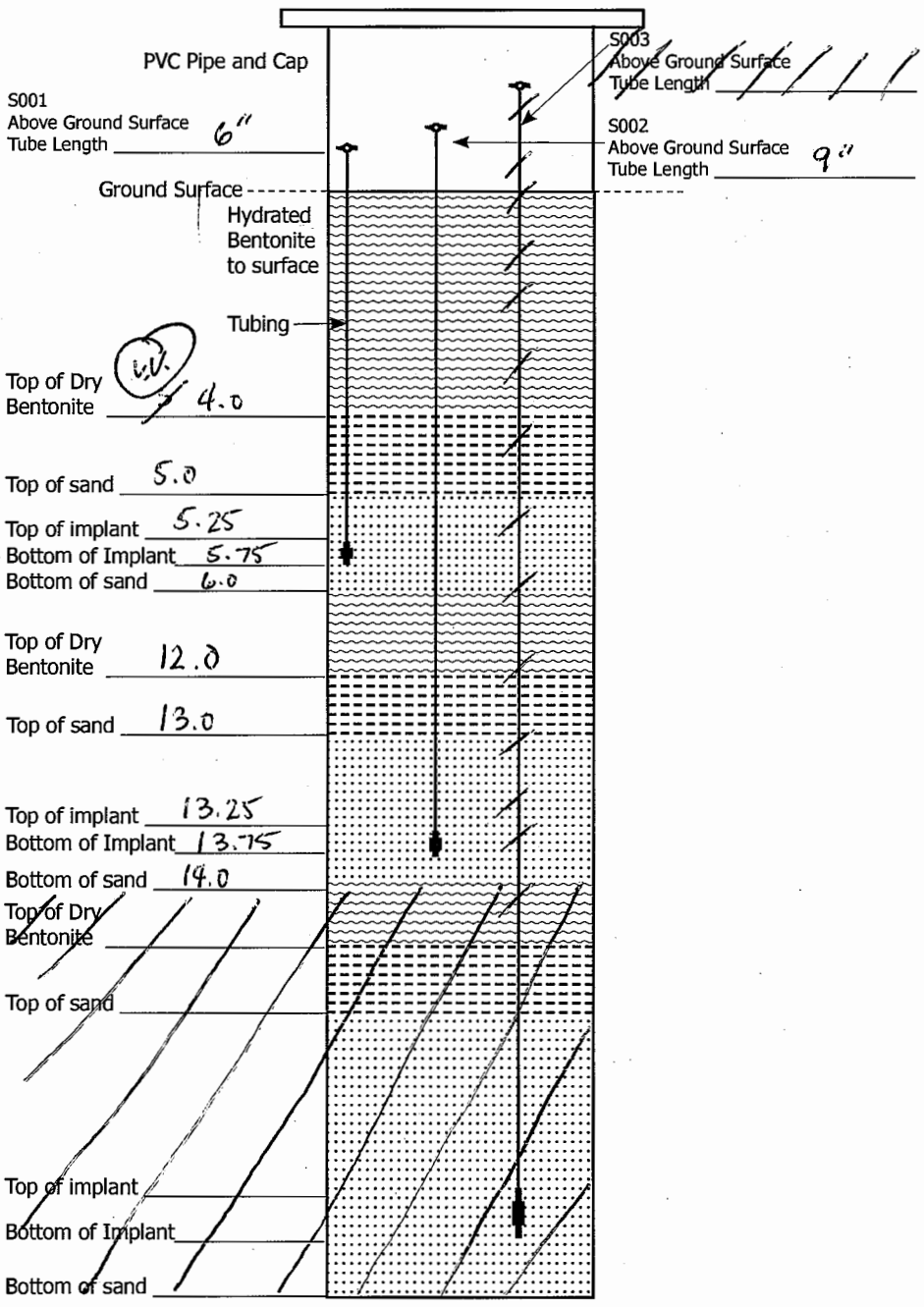
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	SM	Surface Description: @ Base of power pole, bedrock nearby. Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand,	-	-	-	65	35
		24"				1	SP-SM	non-plastic silt, roots, fill, minor dark stains (dark yellowish brown (10YR 4/4))	-	-	-	65	35
0.0			X		15:15	2		Poorly Graded Sand with silt (SP-SM), very pale brown (10YR 7/4), loose, dry, predominantly fine sand, non-plastic silt, fill (native soil that has been disturbed), no odors or stains					
SVL-551-5.0-SC-SB-2.0-2.8						3							
						4							
						5							
						6		TD = 2.8 ft; refusal on bedrock. Collect encores 2.0-2.8 ft. No vapor probe installed.					
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-554
Site: 3A 5C
Drilling Contractor: EST
Borehole TD: 14.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanazin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0905 / 5-29-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: # 3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

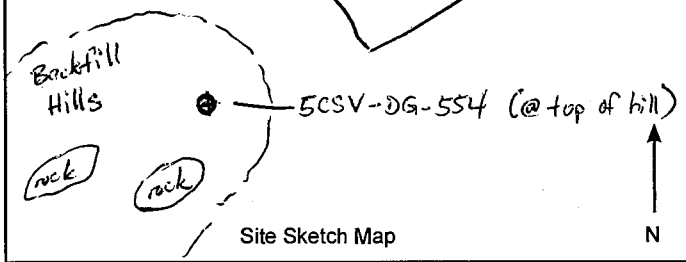
FIGURE 4-2

MWH

4057

$1M Hole

4038



Site Sketch Map

Boring ID: 5CSV-DG-554	Sheet 1	of 2	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C		
Logged By: V. Vatharasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs):	14.0	
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0745 / 5-29-14	Drill Finish Time/Date: 0830 / 5-29-14		
Soil Vapor ID: 5CSV-DG-554	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 0905 5-29-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0 ; 13.0 - 14.0	Surface Completion: Soil vapor probes		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: On bedrock outcrop Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, grass roots, sandstone cobbles (sheared by Macrocore), non compacted, fill, no staining or odors.	TR	-	-	70	30/
		NONE				1							
						2							
						3							
0.0						4		Grades c/o cobbles, color changes to brownish yellow (10YR 6/6)					
		NONE				5							
						6							
						7	ML	Silt (ML), dark yellowish brown (10YR 4/6), med. stiff, dry, non-plastic silt, fill	-	-	-	-	100/
0.0						8	SM	Silty Sand (SM) brownish yellow (10YR 6/6), loose, dry, backfill, no stains or odors, backfill.					
		NONE				9							

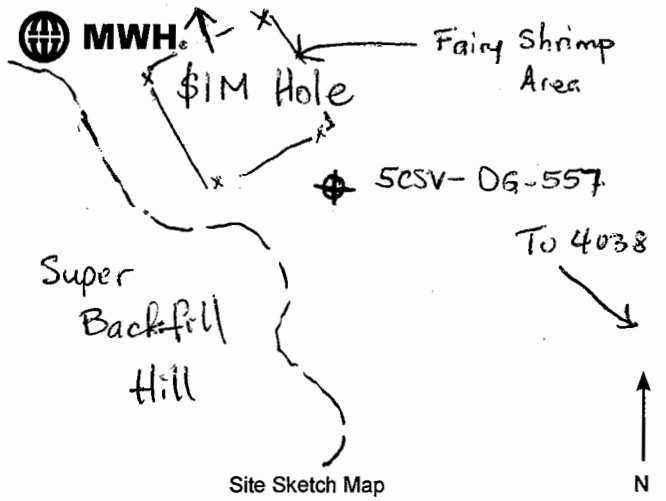
Cont page 2

5-6 12-14

Boring ID: SCSV-DG-554 Project: DOE SV DG Phase III 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SM	Same as above					
		NONE				11							
						12		@12' few chunks of asphalt					
		NONE				13							
0.0						14							
							BS	Weathered Sandstone.					
						15							
						6		TD = 14.0, refusal on weathered bedrock. install probes at 5.0-6.0, 13.0-14.0					
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

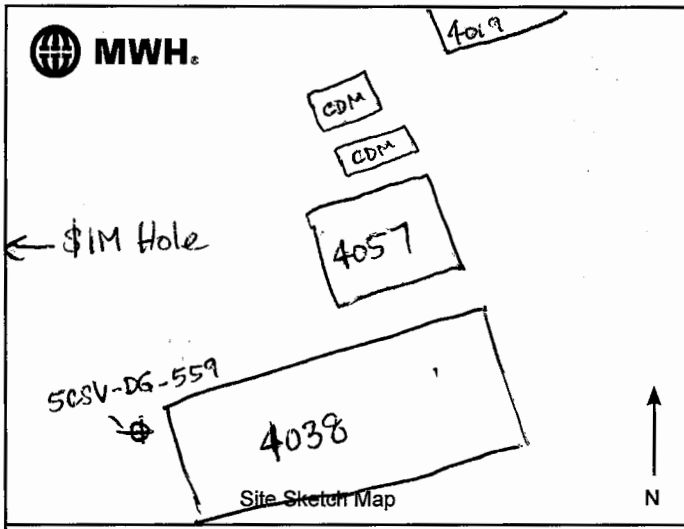


Site Sketch Map

Boring ID: SCSV-DG-557	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SC
Logged By: V. Vatharasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0940 / 5-29-14	Drill Finish Time/Date: 0949 / 5-29-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1005 / 5-29-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: NONE
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	SM	Surface Description: Gravelly w/ Gravel (V-U)					
	X	38"				1	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose to med. dense, fine sand and low plasticity silt, dry, backfill, no odors or stains. fine gravel	5	–	–	60	25/10
	X					2	SM						
	X		X		10:00	3	SM						
SVL-5557-SA5C+SB-3.0-3.5						4	Br	thin Weathered Bedrock - Sandstone over Shale					
						5		TD = 3.5', refusal on bedrock. Stepped out twice to confirm refusal; 2nd attempt 2.5', 3rd attempt 2.0					
						6							
						7		Collect encores for voc analyses at 3.0 - 3.5'					
						8							
						9							

MWH



Boring ID: SCSV-DG-559	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SC
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 3.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1015 / 5-29-14	Drill Finish Time/Date: 1025 / 5-29-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1038 5-29-14
Soil Vapor Well Completion Time/Date: N/A	Backfill Material: Soil cuttings.
Soil Vapor Probe Depths (ft.bgs): N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion:
	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
				3" asphalt		0	SM	Surface Description: Asphalt					
	X					1		Silty Sand (SM), dark yellowish brown (10 YR 4/6), loose, moist, fine sand, non-plastic silt, asphalt stains, fill	-	-	-	75	25
		36"						*1" layer of road base ~~at~~ beneath asphalt,					
						2		@ 2' mild oxidation, yellowish brown (10 YR 6/8)					
			X		10:35								
						3							
SVL-559-SASC-SB					2.5-3.0		Br	Sandstone, weathered.					
						4							
								TD = 3.0 ft, refusal on bedrock. Collect					
						5		encores at 2.5-3.0 for VOC analyses.					
								~~yellowish brown (10YR 6/8)~~					
						6							
						7							
						8							
						9							

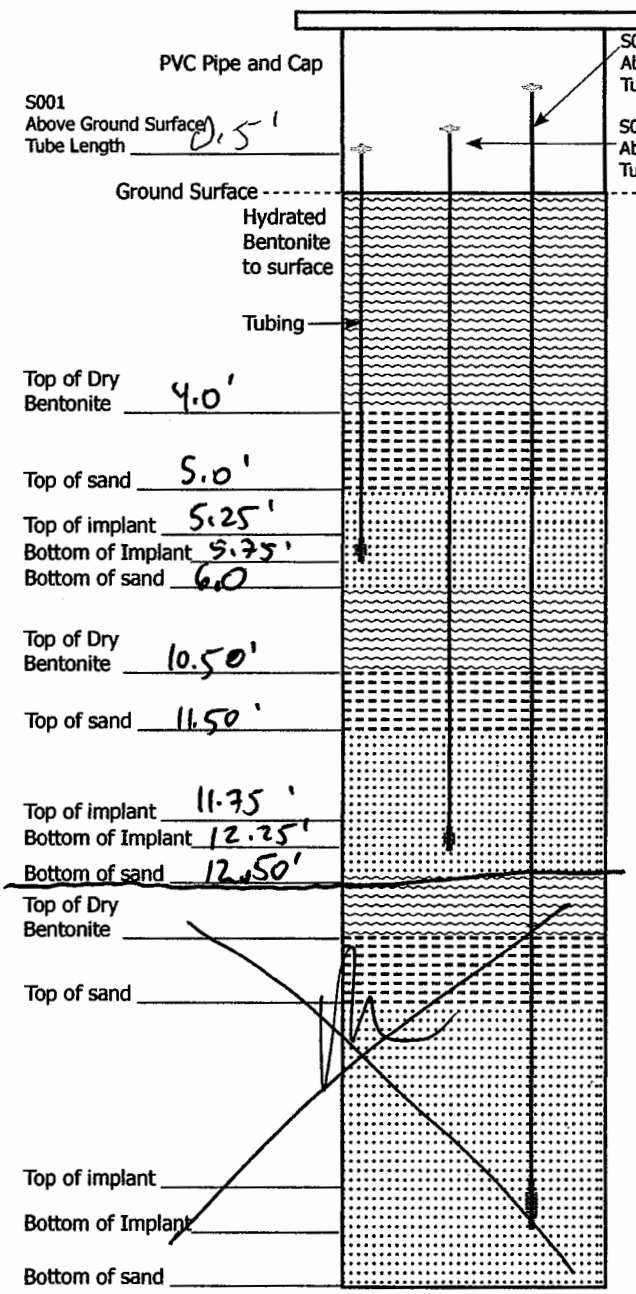
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SC SV DG-SG1
Site: SC
Drilling Contractor: EST
Borehole TD: 12.5'

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: RWELLS
Driller: EST
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: Geoprobe 5400
Probe Completion Date/Time: 02JUN14/ 0915



Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8 crumbles
Manufacturer: cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

Single Soil Vapor Probe Construction Diagram

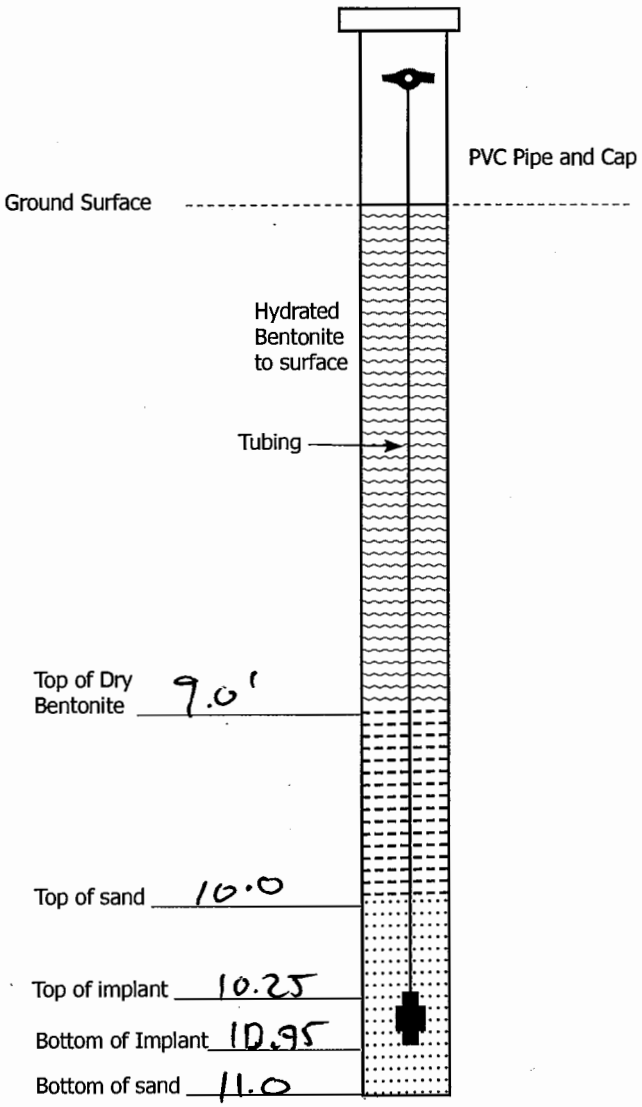
MWH

Probe ID/Soil ID: SCSV_DG-561 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SC | Reviewed by: | Logged by: CWS Ellis

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 | Driller: Morgan Mundy

Borehole TD: 11'0" bgs | Probe Completion Date/Time: 10 Jan 14, 13:24 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

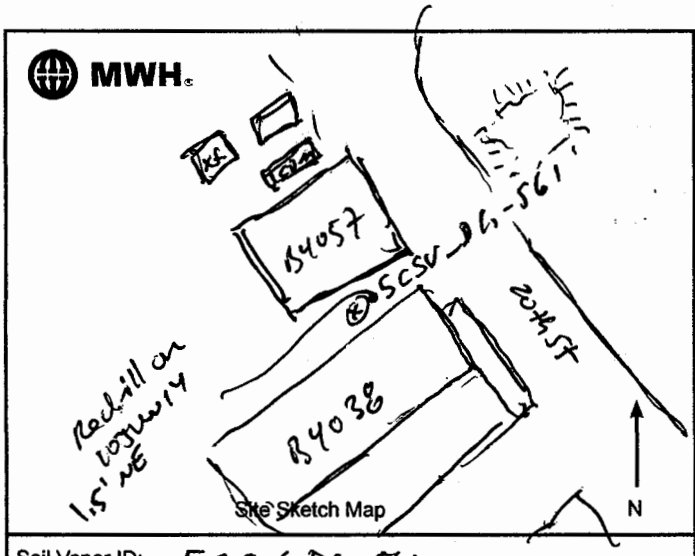
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5CSV DG-561	Sheet 1 of 2
Project: Phase 3 DOE SVDG 2014	
Job #: 10503982.3050106	Site: 5C
Logged By: Rob Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTY KILHULLEN
Drill Rig Type/Method: GEOPROBE 5400	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25 OD	Total Depth (ft.bgs): 12.5'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 02JUN14, 07:49	Drill Finish Time/Date: 02JUN14, 0845
Soil Vapor ID: 5CSV DG-561	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 02JUN 2014	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 5.0-~~5.5~~ ÷ 6.0, 11.5-~~12.0~~ 12.5	Surface Completion: SV Probe
Soil Vapor Well Detail Completed (yes/no): attached	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: ASPHALT DRIVEWAY

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		26"				0		4" asphalt					
0.0						1	SM	Silty sand (SM) black (10YR 2/1) ~~dry~~ slightly moist, medium dense, Predominant fine sand (55%), some silt (30%), and little medium sand (15). No odor, no stain. Fill material	-	~~15~~ 0	15	55	30
						2							
						3							
						4		4.0-5.5					
0.0		40"				5	SP	Poorly graded sand (SP), dark yellowish brown (10YR 3/4) dry, loose. Predominant medium sand (45), some fine sand (30), little loose (15) with few silt (10). No odor, no stain. Fill material.	-	15	45	30	10
						6	SM						
						7		5.5-12.0	-	-	~~60~~ -	~~40~~ 60	- 40
0.0		48"				8		Silty sand (SM), very dark greyish brown (10YR 3/2), moist, dense Predominant fine sand (60%), with some (40%) silt. medium stiff. non plastic, no odor, no					
						9	CH						
						CH							

QA/QC
Surficial media boring log rev 2-25-2014

Boring ID: 5CSV DG-561 Project: Phase 3 DOE SVDG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						10		strain, Fill material.					
						11		- color change at 7.0' bgs to black (10YR 2/1) - with silt fraction increasing to ~~40%~~ 60%					
	X	6"				12	SM	- color change at 8.0 to very dark grayish brown (10YR 3/2)		-	-	40	60
						3		12.0-12.5					
0.0						4		Silty sand (SM) light olive brown (2.5Y5/4). dry loose, predominant ~~medium~~ fine sand (75), with little silt (25%) and trace medium sand. No stain, no odor, native soil.	-	-	TR	75	25
						5							
						6							
						7							
						8		• Refusal on sandstone at 12.5' bgs bedrock					
						9		• Soil vapor probes installed at 5.0 - 6.0 and 11.5 - 12.5 bgs					
						0							
						1		• TD = 12.5' bgs					
						2		• moved sample location ~2.0' feet SW to avoid water line.					
						3							
		10JUN14											
						4		(D) 8.0-11.0 on boring 10JUN14 Clay (CH) no dilatancy, v high dry strength, high toughness					
						5							
						6		• Took Samples at 10.5-11.0' interval					
						7		• SVL-561-5A5C-SB-10.5-11.0 @ 13:24h. 13 uRem, 32 cpm, 0.0 ppm					
						8		Set probe 5CSV-DG-561 @ 10.0 - 11.0' bgs					
						9		10JUN14 13:2					

Begin hole 12:57
End hole 13:09

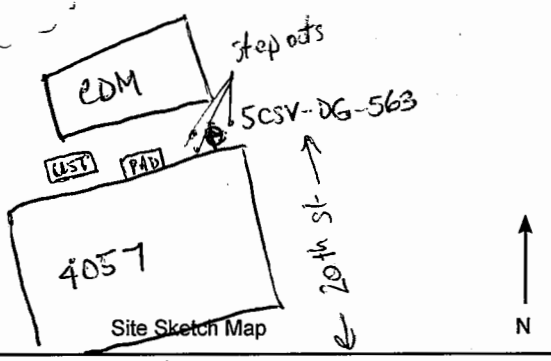
Moved location to 1.5' NE of previous.

QA/QC
Surficial media boring log rev 2-25-2014

MWH

4019

Fmr 4059



Site Sketch Map

Boring ID: SCSV-DG-563	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SC
Logged By: V. Vatherasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 1.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0750 / 6-2-14	Drill Finish Time/Date: 0830 / 6-2-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 0845 / 6-2-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None; backfill with cutting and asphalt patch
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

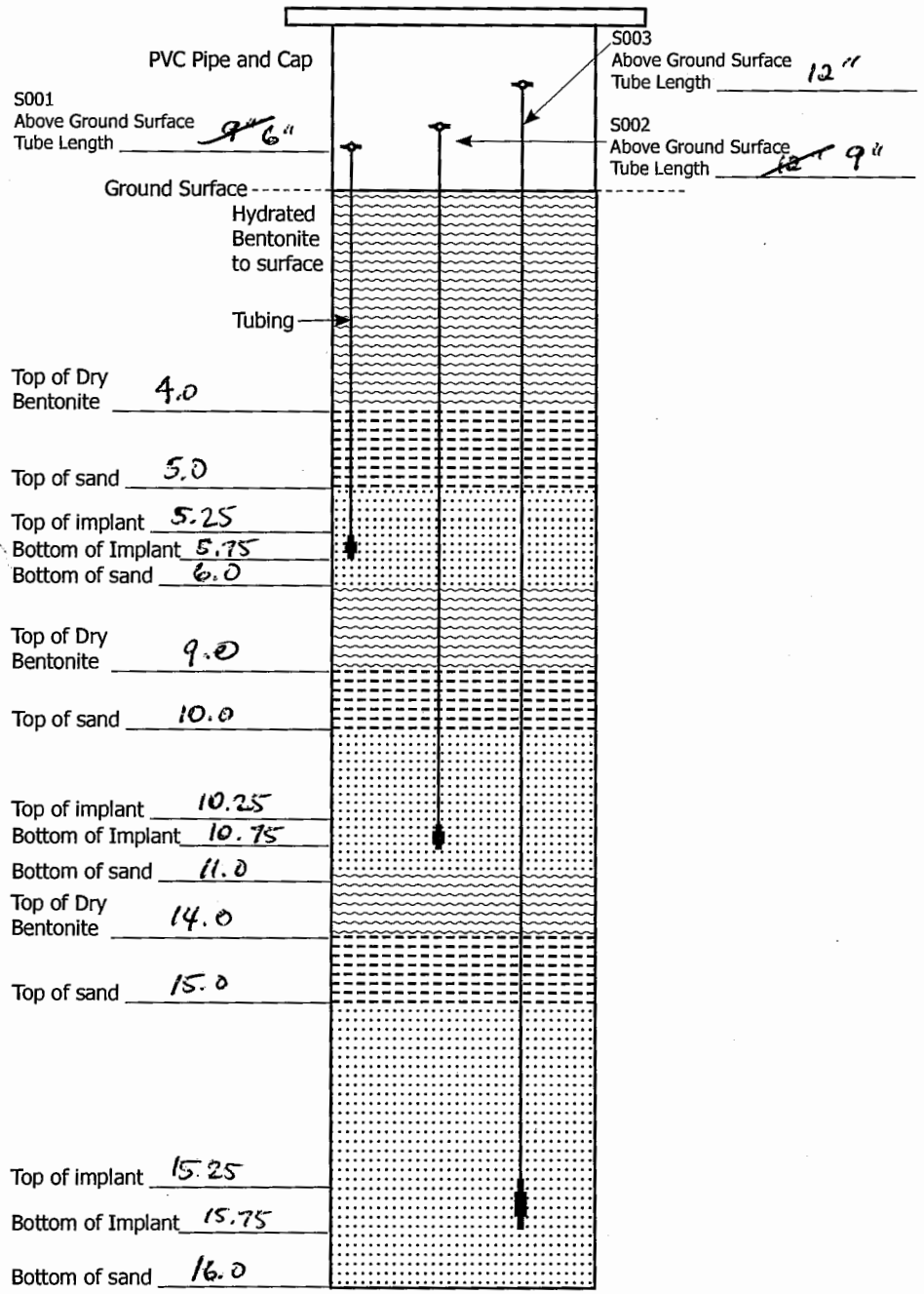
Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Asphalt 3"

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, trace angular gravel (road base?), non-cohesive, ~~asphalt~~ asphalt stains,	TR	—	—	70	30/
0.0			X		0840	1							
SVL-563-SA5C-SB-1.0-1.5						2	Br	Sandstone, weathered.					
						3							
						4		TD = 1.5', refusal on bedrock. Drilled 3 borings to confirm shallow refusal. 1st 2 borings were 1". Final boring 1.5'. Collect soil cores from final boring.					
						5							
						6		Returned @ 1521 hrs to drill 4th step out approx. 5' NE of original location - refusal at 1.0 ft.					
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-570 | Project: Phase 3 DoE Sv DG | Job #: 10503982
Site: SASC | Logged by: V. Vathanasin | Reviewed by:
Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 45.0 | Borehole Diameter: 2.25 | Probe Completion Date/Time: 1630/5-29-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

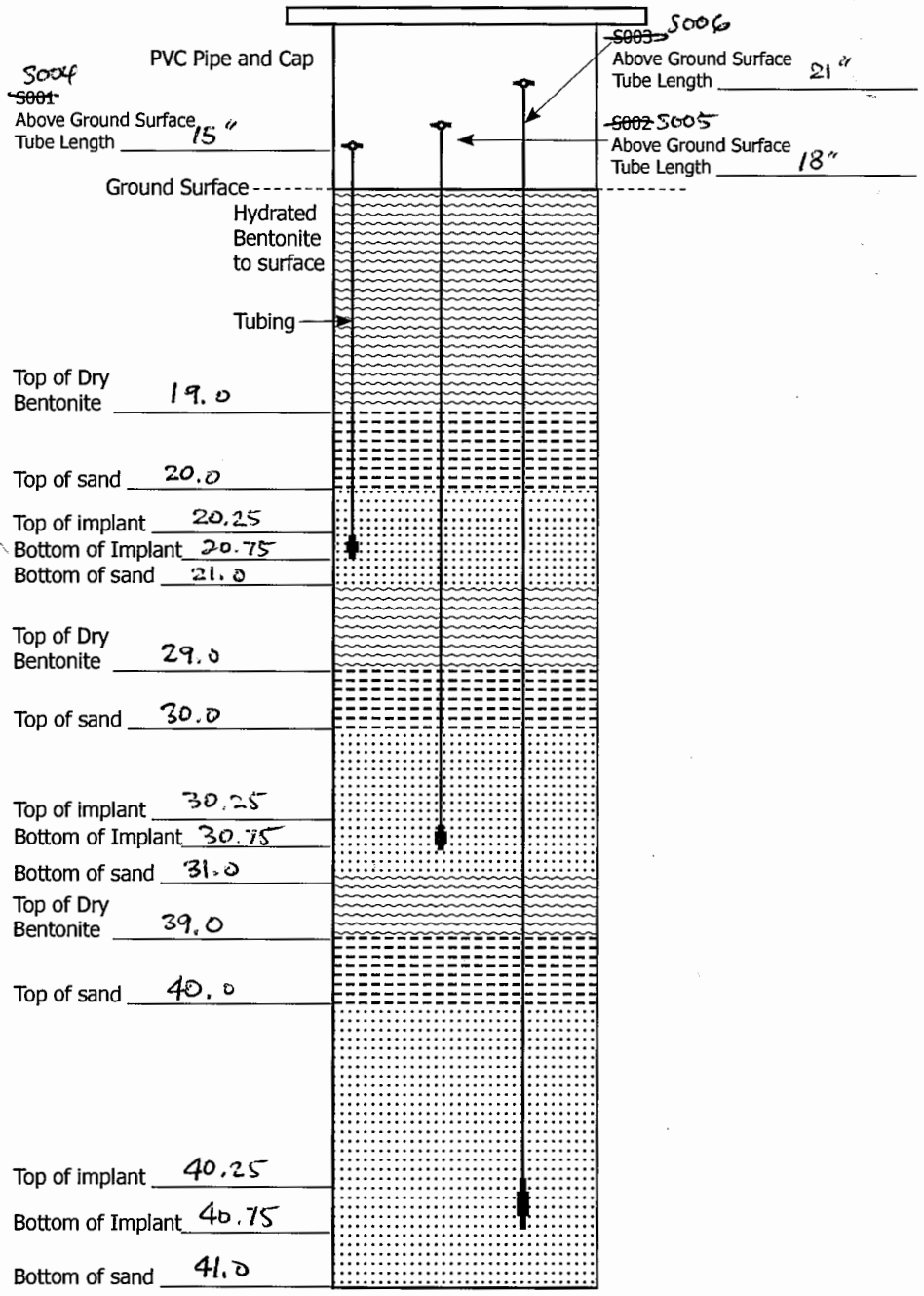
FIGURE 4-2

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-570
Site: SASC
Drilling Contractor: EST
Borehole TD: 45.0

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe
Probe Completion Date/Time: 1630/5-29-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: ~~6mm~~ (V.V.) 1/4"
Color: ~~3/8~~ (V.V.) clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH

Boring ID: 5CSV-DG-570 | Sheet 1 of 3

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 5C

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

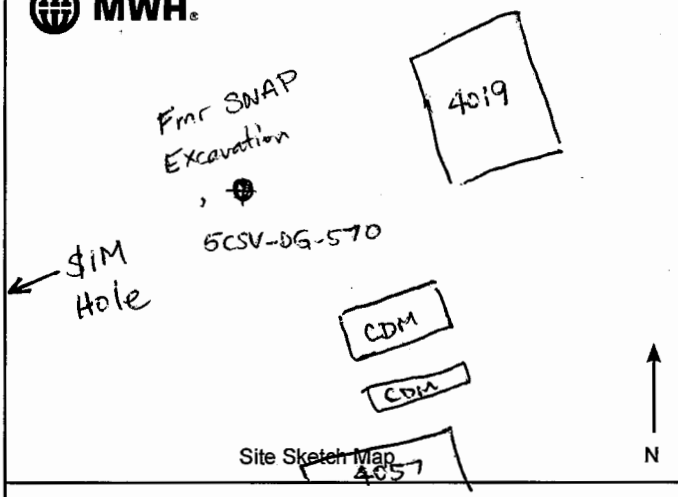
Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 45.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1115 / 5-29-14 | Drill Finish Time/Date: 1500 / 5-29-14

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Site Sketch Map



Soil Vapor ID: 5CSV-DG-570

Soil Vapor Well Completion Time/Date: 1630 / 5-29-14

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0, 30.0-31.0, 40.0-41.0

Soil Vapor Well Detail Completed (yes/no)

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Surface Completion: Soil vapor probes.

Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Surface Description:	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, slightly layered, no stains or odors, fill	—	—	—	55	45/
		43"	NONE			1							
						2	ML	@ 1.7' Silt (ML), dark yellowish brown (10YR 4/4), stiff dry, low plasticity silt, moderate cementation, no stains or odors, fill	-	-	-	-	100/
						3							
						4	SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, silt, fill	-	-	-	80	20/
0.0		48"	NONE			5							
						6		Grades to → Color changes to yellowish brown (10YR 5/4), Trace subrounded quartz gravel	TR	10	5	55	30/
			NONE			7							
		36"				8							
						9							

Cont next page

Boring ID: SCSV-DG-570 Project: Phase 3 DOE Soil Vapor Data Gaps Sheet 2 of 3

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
0.0						10	SM	color changes to dark yellowish brown (10YR 4/4)					
						11							
						12		@12.3 - 12.8 dark brown (10YR 3/3).					
		40"	NONE			13		@12.8 - 13.1 brownish yellow (10YR 6/8)					
								@13.1 dark brown (10YR 3/3), grades to Silty Sand w Clay	TR	-	10	55	25/10
						14							
0.0						15		@15 light brownish gray (10YR 6/2) staining					
		36"	NONE			16							
						17		@16.5 - large block of coarse gravel (10YR 6/2) ~~staining~~ (V.D.)					
						18		@18' 20 mm granitic gravel					
		24"	NONE			19		18.8' - 19' = thin band of yellow (10YR 7/6) Silty Sand.					
0.0						20		@19' ~~cool~~ (V.D.) color changes back to dark yellowish ~~brown~~ (V.D.) brown (10YR 4/4)					
		36"	NONE			21							
						22							
						23							
		36"	NONE			24							
						25		@24.5 fine angular gravel (road base??)					
0.0						26							
						27							
		36"	NONE			28	SP/SM	@ Poorly Graded Sand (SP), very pale brown (10YR 8/4), loose, dry, fine sand, medium sand, no stains or odors, fill	TR	-	-	20	80
						29		@28.5 Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, silt, fill trace fine gravel (V.D.)	-	-	-	70	30/
						30							

Cont next page

Boring ID: SCSV-DG-570 Project: Phase 3 DOT Soil Vapor DG Sheet 3 of 3

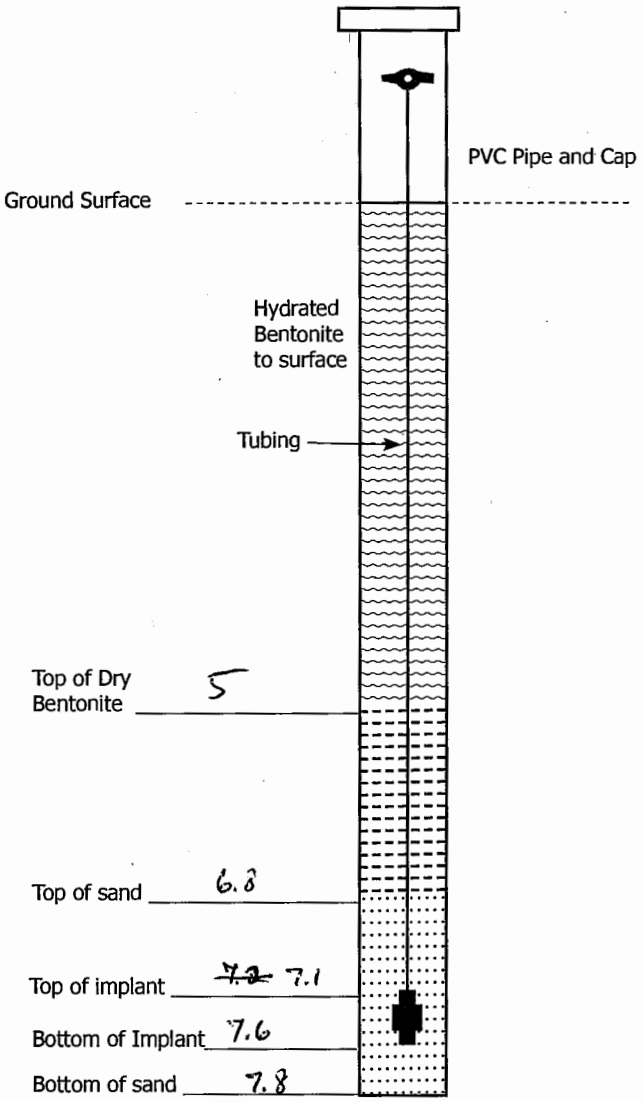
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
0.0		36"	NONE			30		@30' yellow (10YR 7/6) oxidation					
						31							
						32							
						33						40 60	
		36"	NONE			34		Grades to Silty Sand w/ gravel →	10	-	10	70	20/
						35							
						36							
		36"	NONE			37							
						38	SP	Poorly graded sand (SM), light yellowish	-	-	-	100	-
							SM	brown (10YR 6/4), loose, dry, fine sand, fill	-	-	-	75	25/
						39		@38' Silty Sand (SM), brown (10YR 5/3),					
						40		med. dense, dry, fine sand, non-plastic silt, no odors, yellow stains (5Y 7/8), fill					
		36"	NONE										
						41							
						42							
						43							
		36"	NONE			44							
						45		No refusal! Drilling halted due to lack of drilling rods and time of day					
						6		TD= 45.0'; borehole collapsed to 44.5 during trip out. Install vapor probes at 5.0-6.0, 10.0-11.0, 15.0-16.0, 20.0-21.0, 30.0-31.0, 40-41.0. Backfill 41.0 to 44.0 w/ med. chips					
						7							
						8							
						9							

QA/QC
Surficial media boring log rev 2-25-2014

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SCSV-DG-572
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SC
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 7.8
Probe Completion Date/Time: 1326/5-20-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Comery

Dry Bentonite
Type: #8
Manufacturer: Cetco

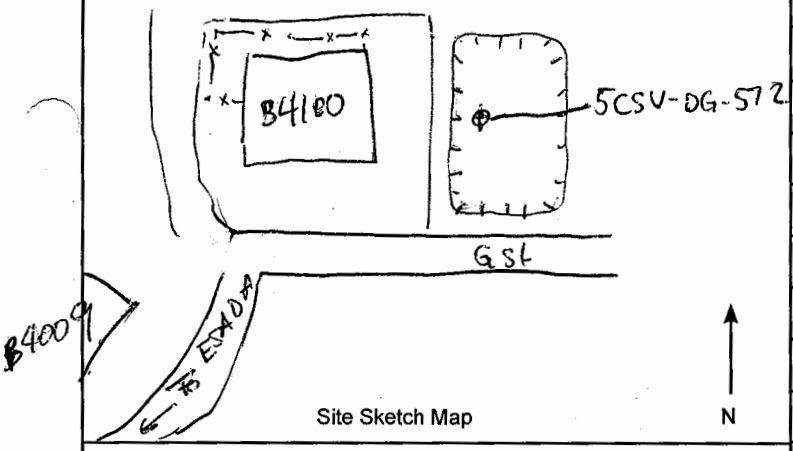
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5CSV-DG-572	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5C
Logged By: V. Vathanaja	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.8'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1255 / 5-20-14	Drill Finish Time/Date: 1315 / 5-20-14
Soil Vapor ID: 5CSV-DG-572	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 1326 / 5-20-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 6.8-7.8	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Grass, in a depression E of B100					
							SM	Silty Sand (SM), brown (10YR 5/3), loose, dry, fine sand, non-plastic silt, friable, fill, few roots	-	-	-	60	40
		48"	NONE			1							
						2	ML	Silt (ML), brown (10YR 5/3), med. stiff, dry, low plasticity silt, fine sand	-	-	-	-	100
						3							
0.0						4		grades with clay (low plasticity)	-	-	-	-	80/20
						5							
		36"				6	SM	@5.5 Silty Sand (SM) very pale brown (10YR 7/4) with yellow (10YR 7/8) iron staining.					
			NONE										
						7							
0.0						8		@7.8' Sandstone, weathered.					
								TD = 7.8', refusal on bedrock. Install vapor probe at 6.8-7.8 ft bgs.					
						9							

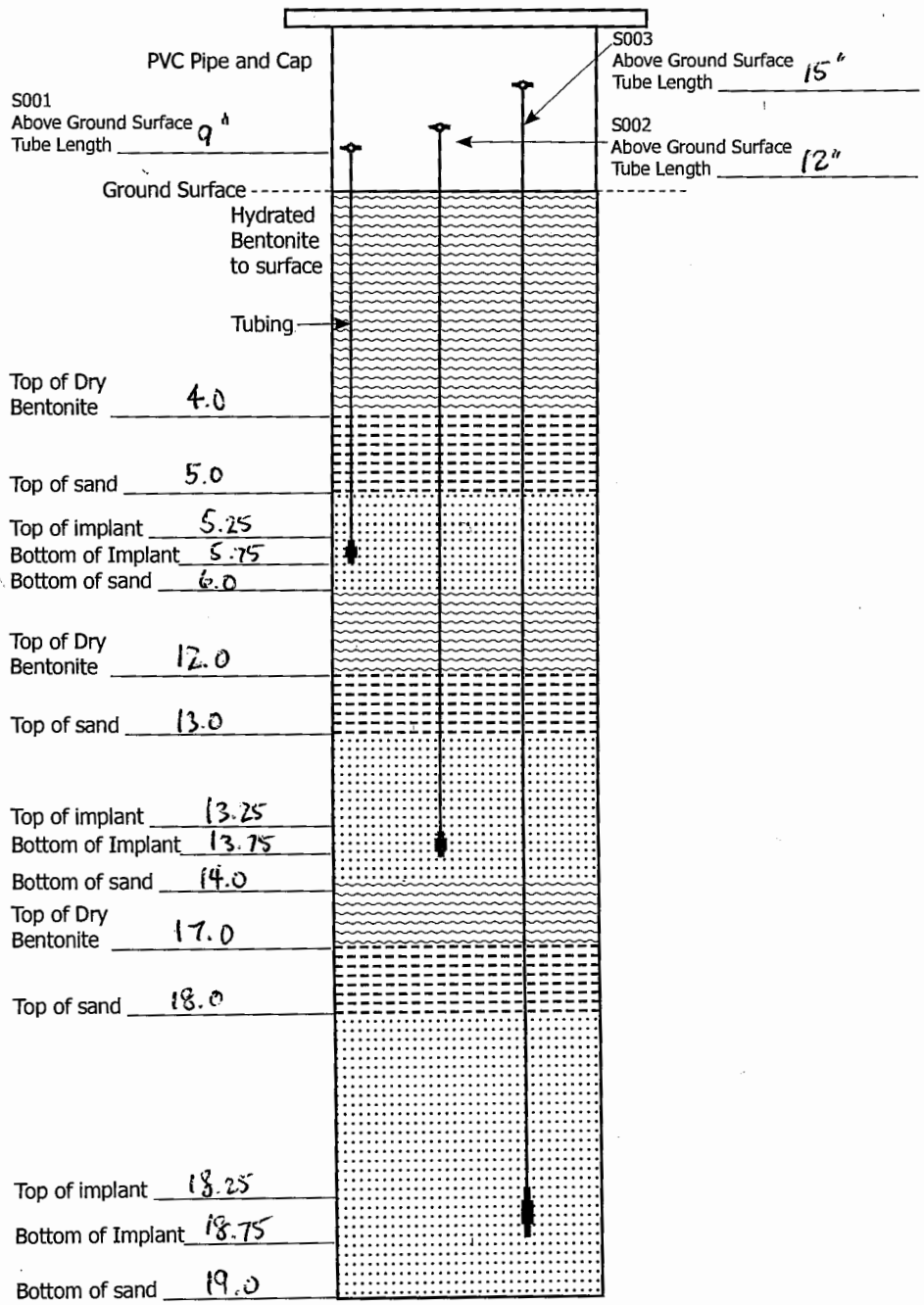
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-502 | Project: Phase 3 DOE SVDG | Job #: 105093982 (V.V.)

Site: SA SD | Logged by: V. Vathanasin | Reviewed by:

Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400 / DP

Borehole TD: 19.0 | Borehole Diameter: 2.25" | Probe Completion Date/Time: 0935 / 5-21-14



Vapor Implant Specs (V.V.)

Material: Stainless ~~Steel~~ Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

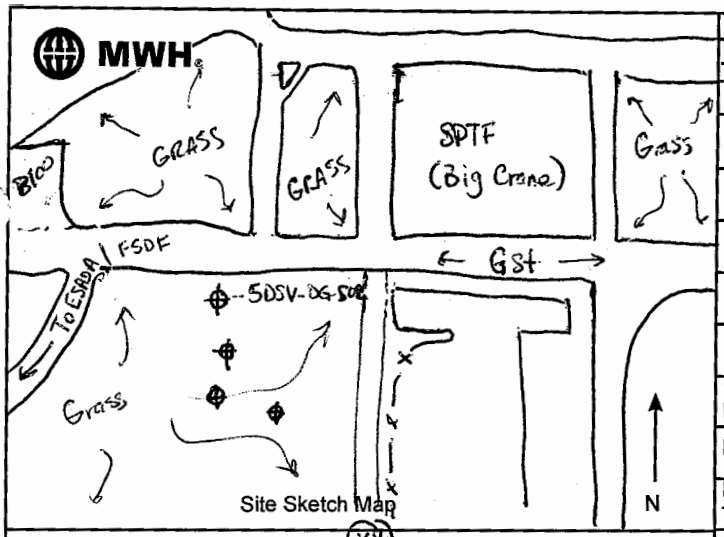
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5DSV-DG-502 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vatharasu Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 19

Drill Bit Type: Macrocore

Drill Start Time/Date: 0750 / 5-21-14 Drill Finish Time/Date: 0845 / 5-21-14

Soil Vapor ID: 5DSV-DG-~~503~~ 502

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 0935 / 5-21-14

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 13.0-14.0, 18.0-19.0

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	GW/ML	Surface Description: Grass, gravel debris					
								Gravel (Road Base) (GW), light gray (10YR 7/2), loose, dry, fine to coarse gravel, fill, no stains or odors,	100	—	—	—	—
						1			—	—	—	10	90/
		42"	NONE			2		at 2" Silt w/ sand (ML), brown (10YR 5/3), very stiff, dry, non-plastic silt, fine sand, moderate cementation,					
						3							
0.1						4							
								Sandy Silt (ML), pale brown (10YR 6/3),	—	—	—	25	75/
		24"	NONE			5		stiff, dry, non-plastic silt, fine sand,					
						6							
						7							
						8		color changes to brownish yellow (10YR 6/6),					
						9	SM	Silty Sand (SM), brownish yellow (10YR 6/6 to very pale brown (10YR 7/4), loose, dry	—	—	—	70	30

cont' next page

cont' next page

Boring ID: SDSV-DG-502 Project: Phase 3 DOE SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		30"	NONE			10		fine sand, non-plastic silt, interlayered color changes, native soil					
0.0						11							
						12							
						13							
		36"	NONE			14							
0.0						15		Grades w/ clay fraction, low plasticity	-	-	-	70	20/10
						16		Grades w/o clay	-	-	-	70	30
		34"	NONE			17		Grades w/ clay	-	-	-	70	20/10
0.3						18							
						19		Sandstone, heavy weathering					
						20		TD = 19. Refusal on bedrock, install vapor probes at 5.0 - 6.0, 13.0 - 14.0, and 18.0 - 19.0					
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Single Soil Vapor Probe Construction Diagram

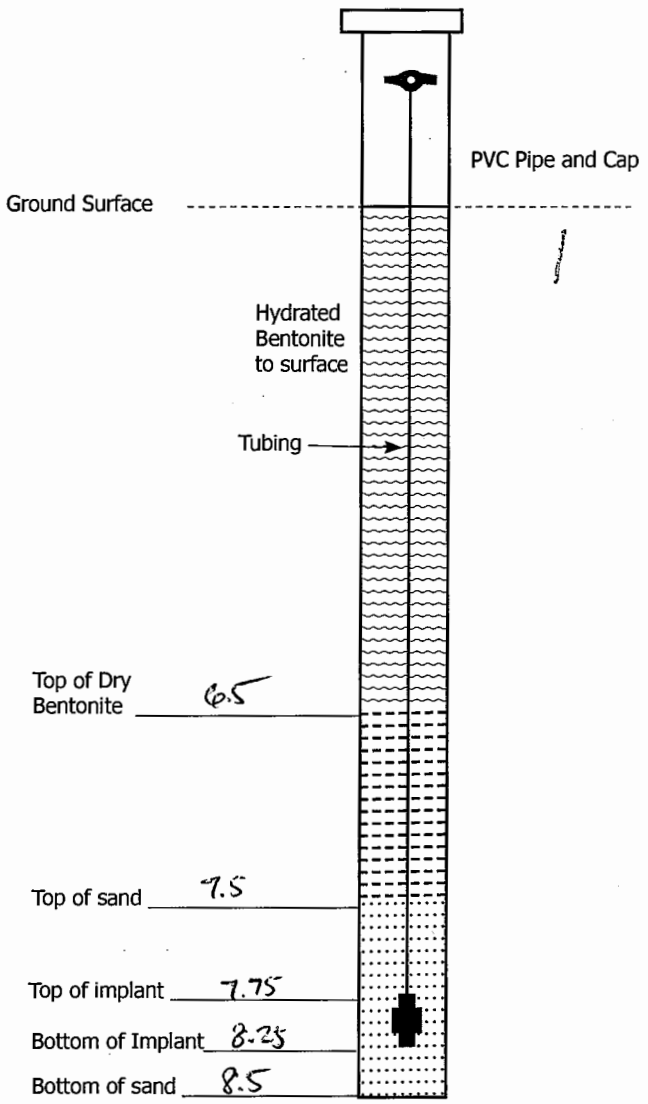
MWH

Probe ID/Soil ID: SDSV-DG-S10 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SASD | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8.5 | Probe Completion Date/Time: 1059/5-22-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

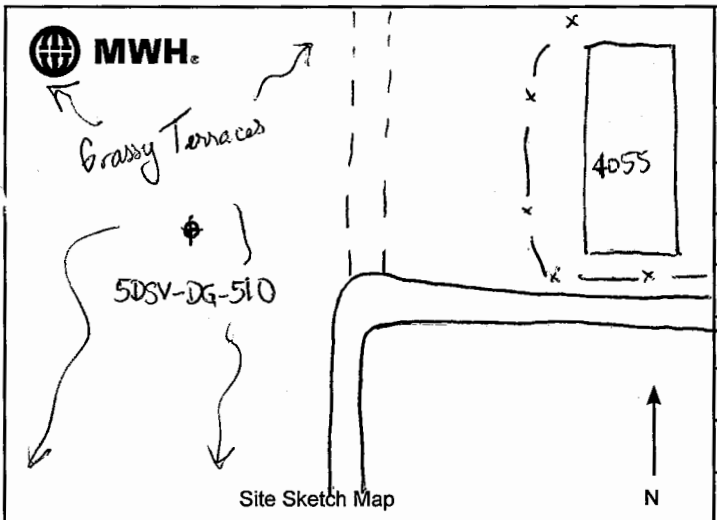
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5DSV-DG-510 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: 3A 5D

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 8.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1030 / 5-22-14 | Drill Finish Time/Date: 1050 / 5-22-14

Soil Vapor ID: 5DSV-DG-510 | Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1059 / 5-22-14 | Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 7.5-8.5 | Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no) | Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

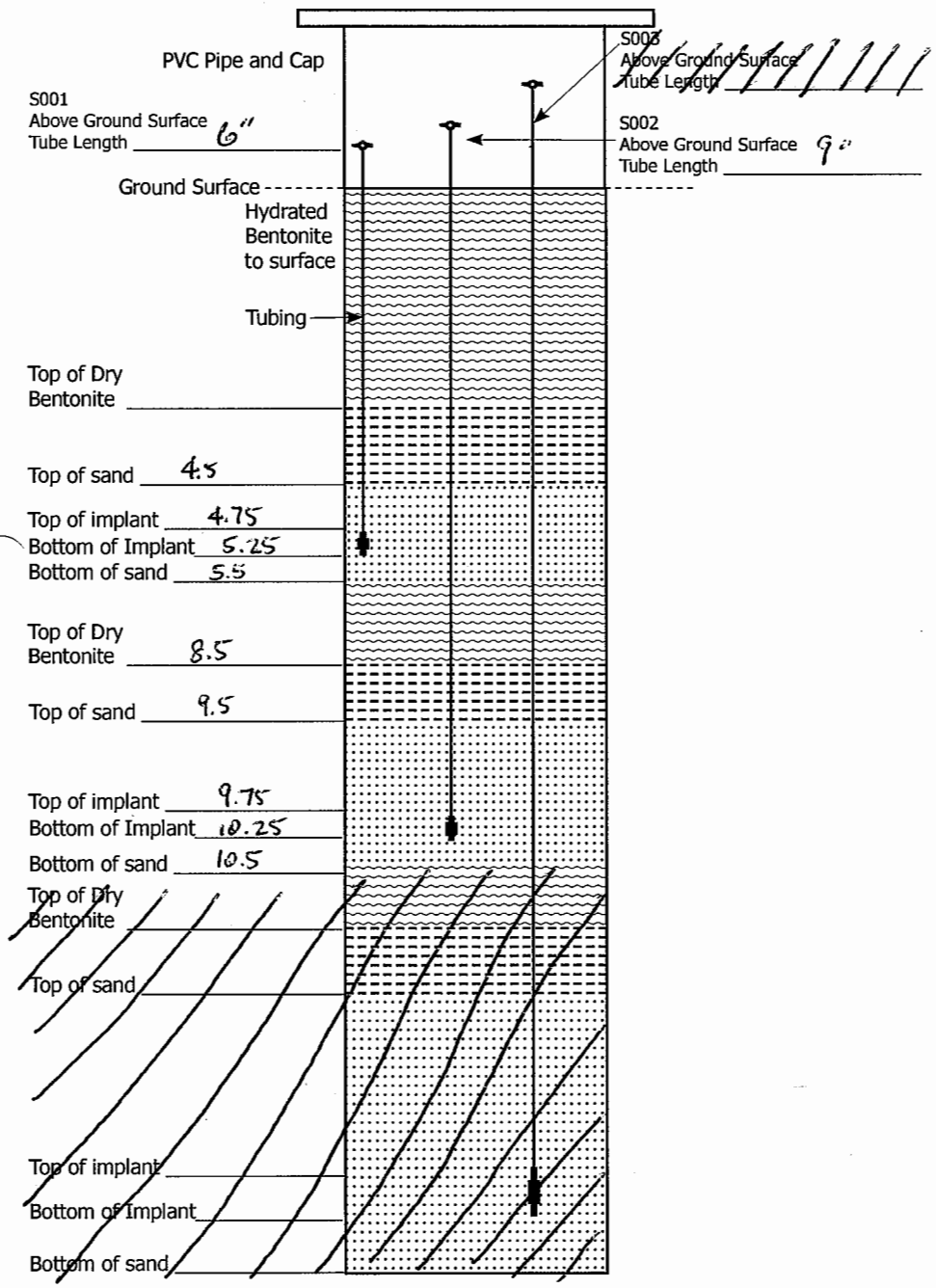
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: In depression, grassy Silty Sand (SM), pale brown (10YR 6/3), loose, dry, fine to coarse sand, non-plastic silt, no stains or odors, fill	—	20	30	20	30
		30"				1			10	10	30	20	30
						2	CL	@ 1.5' grades w/ fine angular gravel Clay (CL), brown (10YR 5/3), stiff, moist, medium plasticity clay (lean), weathered grit and clay grains, no stains or odors, fill	—	-	10	-	100
0.0						3							
						4		@ 4.5' Silt w/ clay (ML), brownish yellow (10YR 5/6), stiff, dry to very slightly moist, low to non-plastic fines, white (10YR 8/1) streaks (weathered grit); fill					
		48"				5							
						6							
						7	SM	Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt and clay, weak clay cement, no odors or stains, native soil					
0.2		6"				8							
						9		@ 8.5' Sandstone TD = 8.5'. Refusal on bedrock. Install vapor probes at 7.5-8.5'					

QA/QC

7.5-8.5

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-S11
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SASD
Logged by: V. Vathanaam
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 10.5
Borehole Diameter: 2.25"
Probe Completion Date/Time: 0830 / 5-22-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

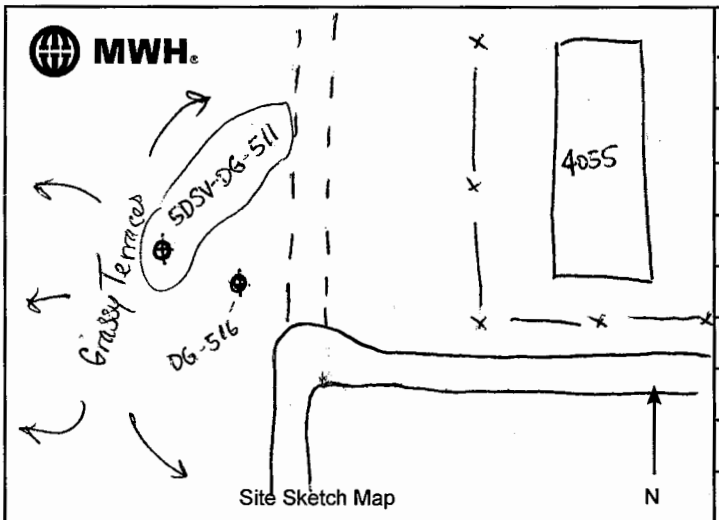
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SDSV-DG-511	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 5D
Logged By: V. Vathanavin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 10.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0740 / 5-22-14	Drill Finish Time/Date: 0800 / 5-22-14
Soil Vapor ID: SDSV-DG-511	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 0830 / 5-22-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 9.5-10.5	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probes
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Grassy, branches and limbs					
			NONE			0	ML	Silt (ML), dark yellowish brown (10YR 4/4), med. stiff, slightly moist, non-plastic silt, trace sand, grass roots, wood fragments, fill	-	-	-	TR	100/
		38"				1			-	5	-	TR	95/
						2		@ 1' graded w/ coarse sand ~~fragments~~					
						3		(V.O.)					V.O.
							CL	~~sl~~ Silty clay (CL), brownish yellow (10YR 5/6), stiff, dry, non-plastic clay and silt, weathered qtz(?) or plag (?) grains, fill, no odors or staining.	-	-	ER	-	40/60
0.1						4							
						5		@ 4½-2" gravel					
		48"		SDSV-511-SA5D-SS	45-5.5	6		color changes to light yellowish brown (10YR 6/4)					
				SDSV-511-SA5D-SS	45-5.5	7							
						8	ML	Silt (ML), yellowish brown (10YR 5/4), stiff, dry, non-plastic silt, fill	-	-	-	-	100/
		24"	NONE			9							
							SM	Silty Sand (SM), yellow (10YR 7/6), loose, dry, fine sand, non cemented, native soil	-	-	-	70	30/
0.3						10							

con't next page

(V.V.)

Boring ID: SDSV-~~01~~ DG-511 Project: Phase 3 DOE SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10		@10.5' Sandstone, weathered.					
						11		TD=10.5', refusal on bedrock. Install vapor probes at 4.5-5.5' and 9.5-10.5'. Collect encores at 4.5-5.5' for potential no-flow conditions.					
						12							
						13							
						14							
						15							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

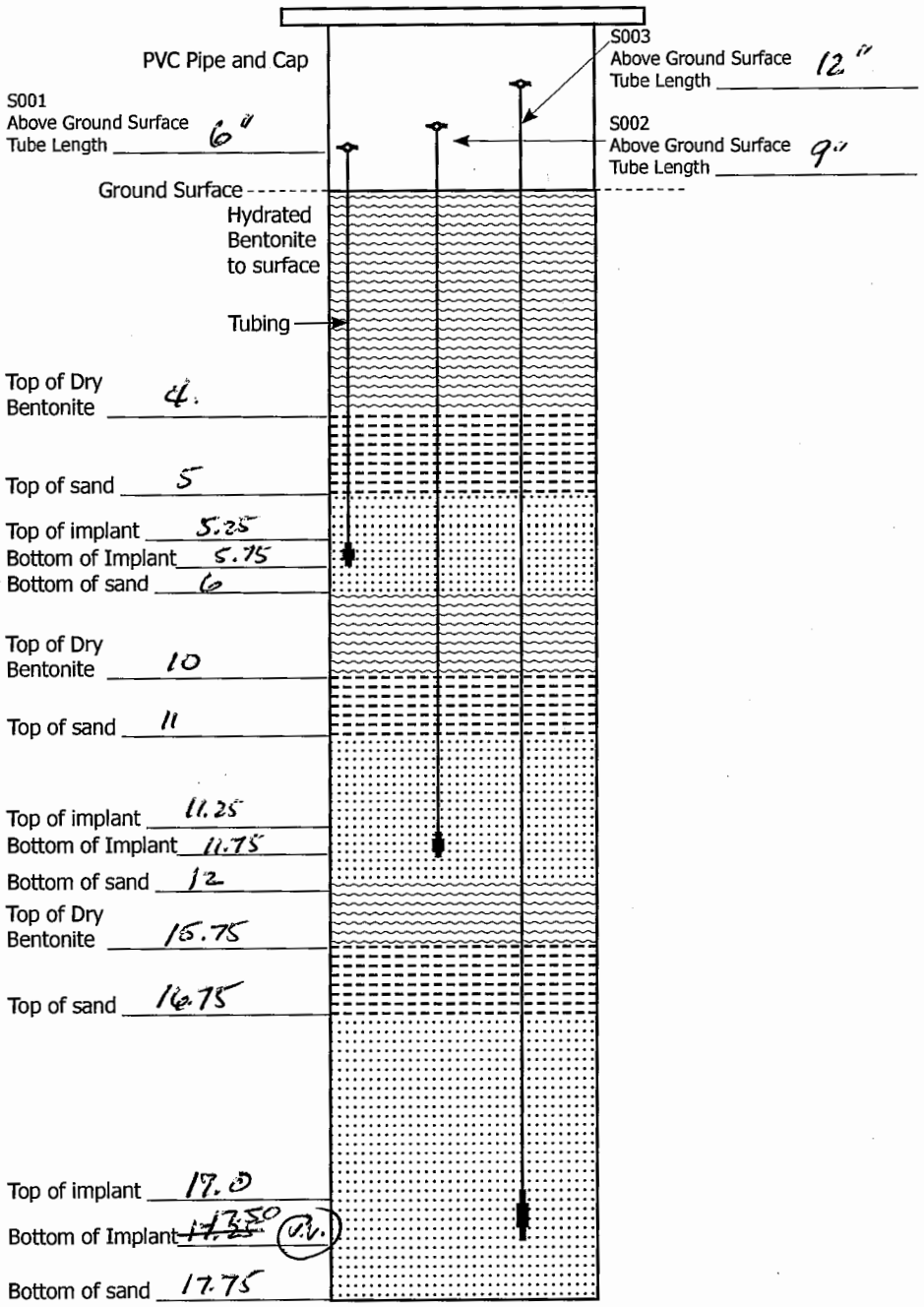
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SOSV-DG-512
Site: SA SD
Drilling Contractor: EST
Borehole TD: 17.75

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1356/5-21-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

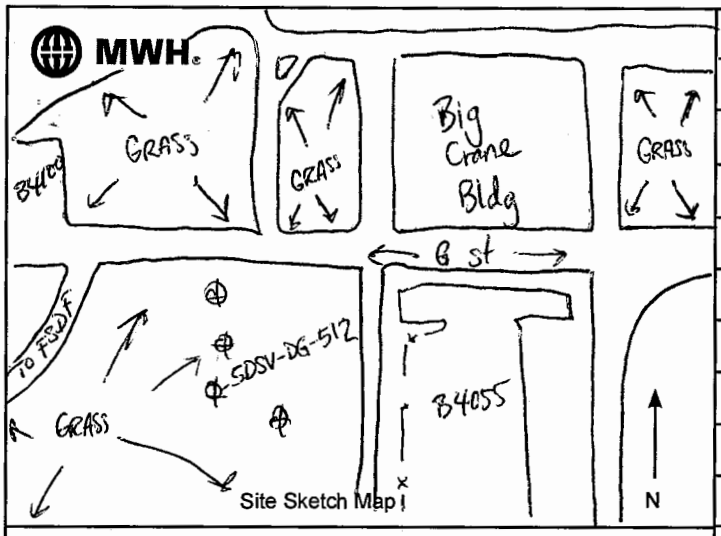
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SDSV-DG-512 | Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SD

Logged By: V. Vathanasin | Reviewed By:

Drilling Contractor: EST | Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 17.75

Drill Bit Type: Macrocore

Drill Start Time/Date: 1231 / 5-21-14 | Drill Finish Time/Date: 1330 / 5-21-14

Soil Vapor ID: SDSV-DG-512

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1356 / 5-21-14

Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 16.75-17.75

Surface Completion: Soil vapor probes.

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Surface Description: Veg. cleared, Silt Sandy Silt (ML), brown (10YR 5/3),	TR	–	–	20	80/
						1		med. stiff, dry, non-plastic silt, fine sand,	–	–	–	20	60/80
		36"				2		roots, trace fine gravel, fill, no odors or stains.					
								@1' ~~1.5~~ grades with clay, low plasticity, ~~slight~~ very dark grayish brown staining (10YR 3/2) at 1.5-2.0', plastic debris					
						3							
						4	CL	Silty Clay (CL), dark yellowish brown (10YR 4/4), stiff, moist, medium plasticity clay, silt, trace coarse and fine sand, ~~areas~~ w/ white weathering ~~areas~~	–	TR	–	TR	35/65
		48"			13:40	5							
		SVL-512-EA5D-SB			5.0-6.0	6							
						7							
						8		color lightens to (10YR 4/6)					
						9							
		48"						grades w/ angular gravel (weathered)	10	–	–	TR	40/50

cont next page

Boring ID: SDSV-DG-512 Project: Phase 3 DOE SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SC	V.V.					
						11	SC	clayey Sand (SC), yellowish brown (10YR 5/6) with very pale brown streaks (10YR 7/3), med. dense, dry, fine sand, low plasticity clay, clay cement, possibly native, no odors, some brownish yellow (10YR 6/8) iron staining	-	-	-	65	35
0.0		24"	NONE			12							
						13							
						14	CL	@13.5 Sandy clay (CL), brownish yellow (10YR 6/6), med. stiff, moist, low plasticity clay, fine sand, no odors or stains	-	-	-	35	65
		24"	NONE			15			-	-	-	70	30
0.0						16		@14.5 Silty Sand (SM), brownish yellow (10YR 6/8), loose, dry, fine sand, non-plastic silt, no odors or stains					
		20"	NONE			17			-	-	-	100	TR
0.0						18		@17.25 Poorly Graded Sand (SP), brownish yellow (10YR 6/8), loose, dry, fine sand, trace silt, weak ~~clay~~ silt cement (V.V.)					
						19							
						20		@17.75 Sandstone, weathered.					
						1							
						2		TD = 17.75', refusal on sandstone bedrock, install vapor probe at 5.0-6.0, 11.0-12.0, and ~~17.75~~ 16.75-17.75 (V.V.). Collect encores at 5.0-6.0 due to potential low-flow conditions.					
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

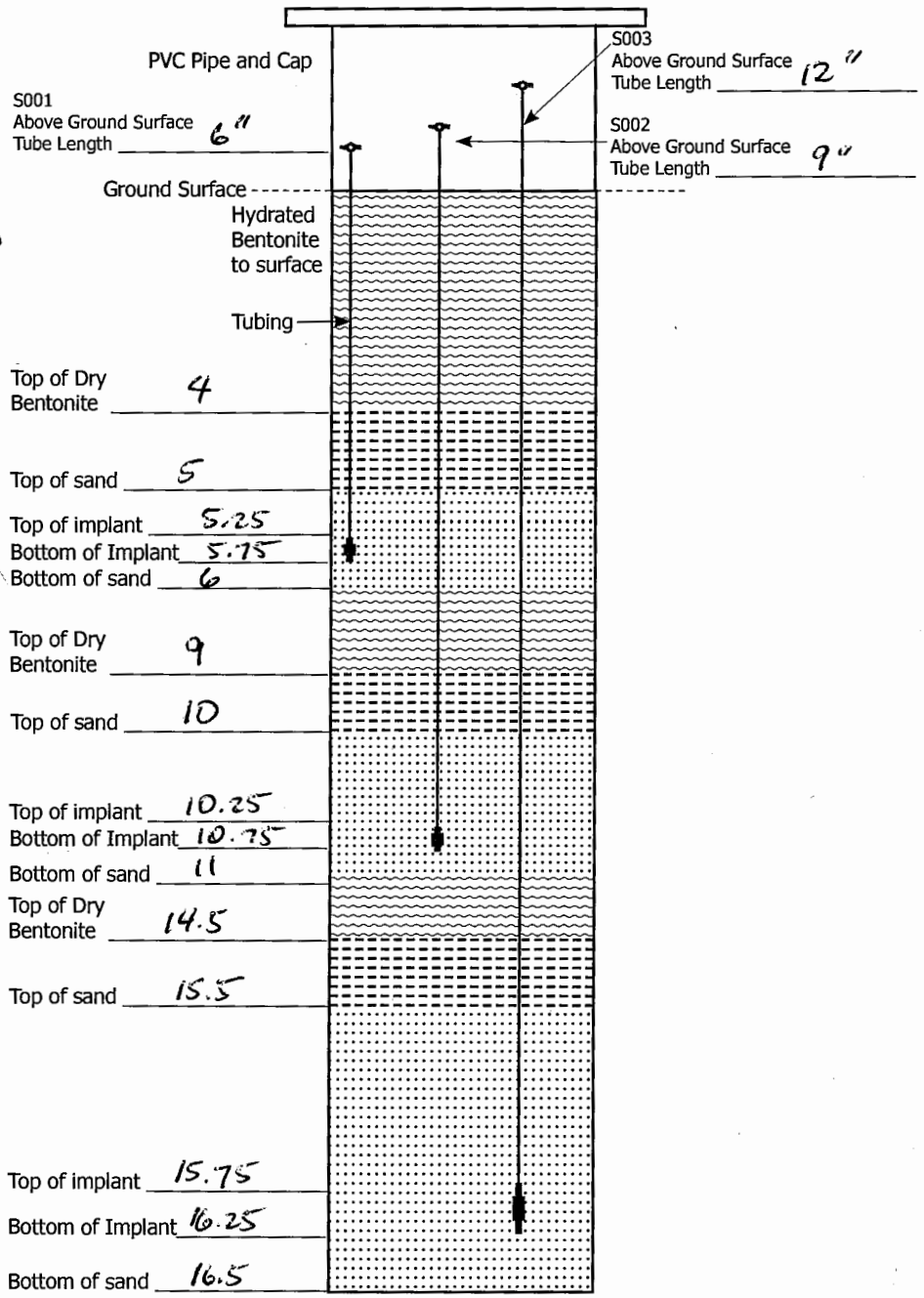
5-6
11-12
16.75-17.75

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SD3V-DG-513
Site: SD
Drilling Contractor: EST
Borehole TD: 16.5

Project: Phase 3 DOE DG SV
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 1050382
Reviewed by:
Rig Type/Method: Geoprobe 3400 / DP
Probe Completion Date/Time:



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

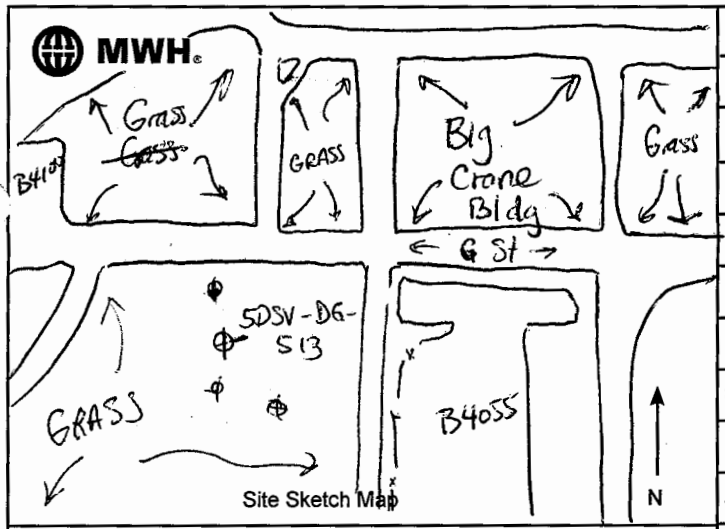
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5DSV-DG-513 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 16.5

Drill Bit Type: Macrocore

Drill Start Time/Date: 1003 / 5-21-2014 Drill Finish Time/Date: 1100 / 5-21-2014

Soil Vapor ID: 5DSV-DG-513

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1150 / 5-21-14

Observations: [X] Debris [ ] Staining [ ] Odors [ ] Groundwater [ ] None

Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0, 10.0-11.0, 15.5-16.5

Surface Completion: Soil Vapor probes.

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: [X] Bedrock [ ] Debris [ ] Gravel [ ] Unknown [ ] None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		Surface Description: Cleared veg.					
			NONE			1	ML	Silt w/ Sand (ML), yellowish brown (10YR 5/4), loose to med. dense, dry, non-plastic silt, fine sand, no odors or stains, fill	—	—	—	15	85/
		36"				2							
							V.V. Clean Lean CL	Clay (CL), yellowish brown (10 YR 5/6), stiff, dry, low plasticity, fill	—	—	—	-	100
0.0						3							
						4							
						5							
		30"	NONE				ML	Silt w/ gravel and sand (ML), light yellowish brown (10 YR 6/4), loose/soft, dry, non-plastic silt, fine angular gravel, fine sand, coarse sand, fill	10	5	—	25	60
						6							
2.0						7		grades w/o gravel	—	—	—	20	80/
						8		@ 8' grades w/ clay, med plasticity, stiff	—	—	—	10	90/100
			NONE			9							

V.V.

cont next page

Boring ID: SDSV-DG-513 Project: Phase 3 DOE SV DG Sheet 2 of 2

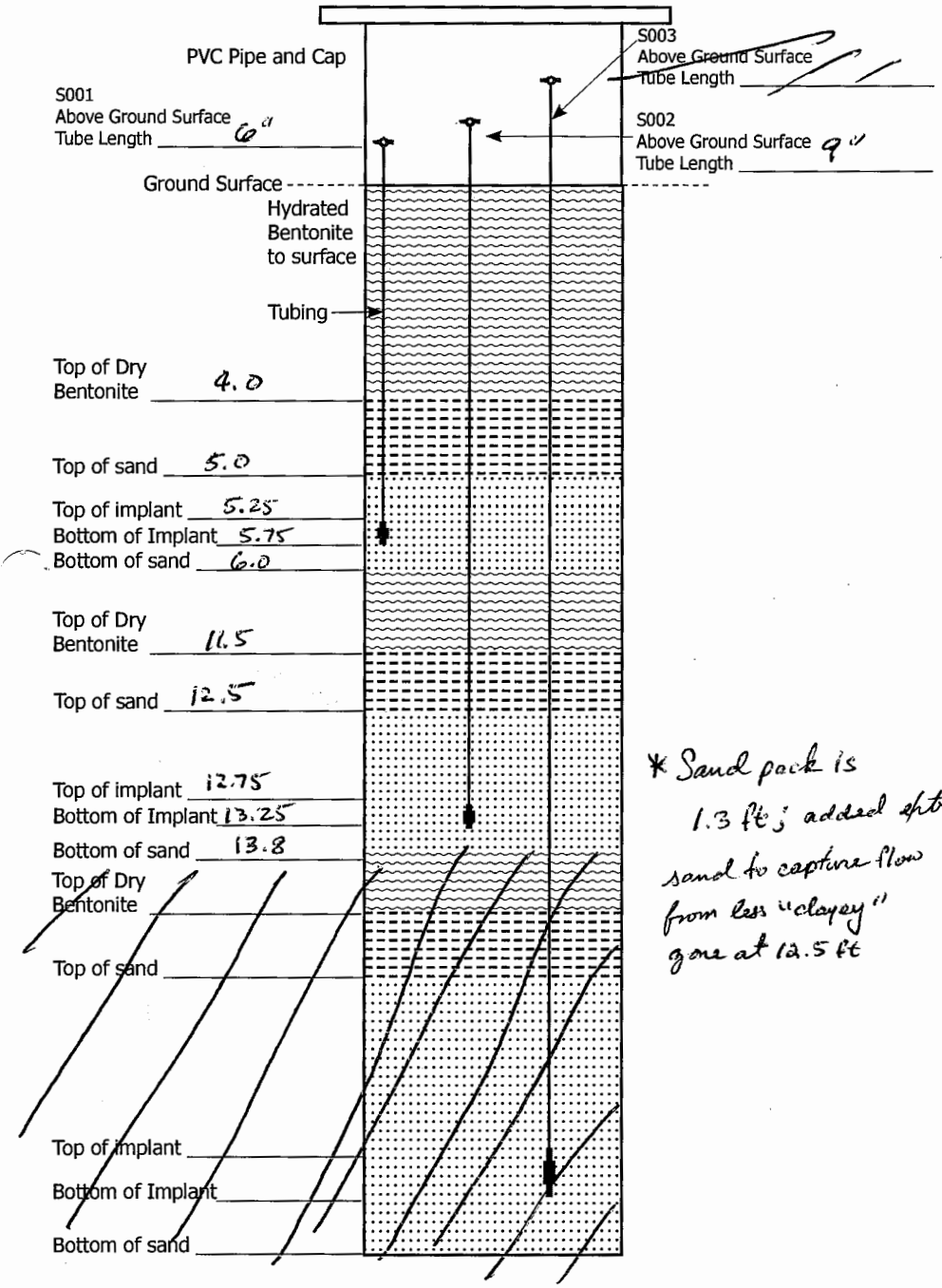
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10							
0.0		32"	NONE					@9' grades w/o clay, PVC cable jacket in core sample, soft to med stiff.	-	-	-	15	85/
						11							
0.2													
						12							
		24"	NONE										
						13	SM	Silty Sand (SM), brownish yellow (10YR 6/6),	-	-	-	70	30/
								med. dense, dry, fine sand, non-plastic					
						14	ML	silt and sand 7/4	-	-	-	15	65 / 20 (V.V.)
		24"	NONE					Silt w/ clay (ML), very pale brown (10YR 6/4) (V.V.),					
						15		soft, dry, low to medium plasticity fines, fine sand no odors (V.V.)					
0.0								no staining; native soil, no debris					
		6"				16							
							Br	Shale, weathered, fissile					
						17							
								TD = 16.5', refusal on bedrock, install					
						18		vapor probes at 5.0-6.0, 10.0-11.0, 15.5-16.5					
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

5-6
10-11

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG - 515
Project: Phase 3 DOE SV DG
Job #: 10503982
Site: SA SD
Logged by: V. Vathenasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 13.8'
Borehole Diameter: 2.25"
Probe Completion Date/Time: 15:23 / 5-21-14



* Sand pack is 1.3 ft; added extra sand to capture flow from less "clayey" zone at 12.5 ft

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

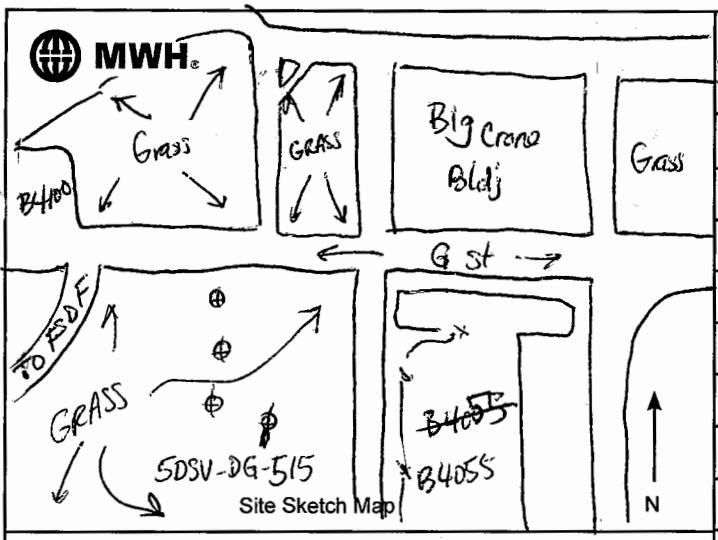
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5DSV-DG-515 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 13.8

Drill Bit Type: Macrocore

Drill Start Time/Date: 1420 / 5-21-14 Drill Finish Time/Date: 1510 / 5-21-14

Soil Vapor ID: 5DSV-DG-515

Soil Boring Backfill Time/Date: (N.V.) N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 15:23 / 5-21-14

Observations: ☒ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 12.5-13.8

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Silt (ML), yellowish brown (10YR 5/4) (V.V.), soft, dry, non-plastic silt, 2" gravel (subrounded) at 1 ft bgs, compacted fill, roots, organic detritus.	TR	–	–	–	100
		33"	NONE			1							
						2	CL	@ 1.3' 2nd chunk of 2" subrounded gravel	TR	–	–	–	100
						3							
						4		@ 2.3' Lean clay (CL), brown (10YR 4/3), stiff, faint moisture, med. plasticity clay, moderately cemented (clay), no odor or stains, ≤ 1mm (V.V.) white very pale brown nodules (10YR 8/2), fill					
		48"	X		15:10	5							
				SVE-515-SASD-58-5.0-6.0		6		@ 6.8' 2" subrounded gravel.					
						7							
						8							
						9							

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Veg. cleared, grassy.

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(V.F.)

Boring ID: SDSV-DG-~~S12~~ S15 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

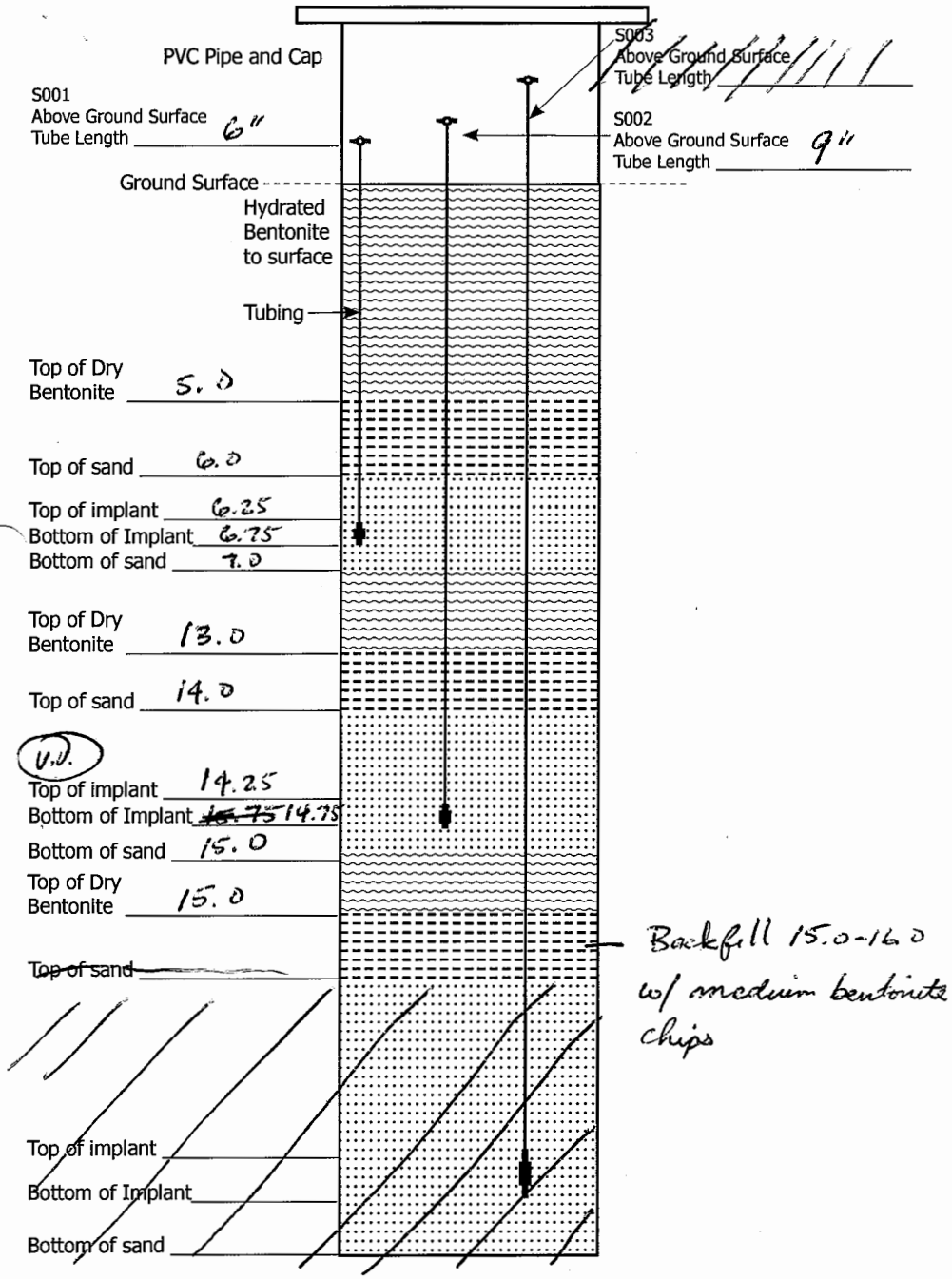
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		48"	NONE			10	SW (VII)	~~Poorly~~ Well Graded Sand (SP SW), brownish yellow (10YR 6/6), loose, dry, fine to coarse sand, friable, native soil. (VII)	–	10	30	60	–
						12	CL	~~clay~~ Fat Clay (CL), dark grayish brown (10YR 4/2), med stiff, moist, high plasticity clay	–	–	–	–	100
			NONE			13	SC	@12.5 Clayey Sand (SC), brownish yellow (10YR 6/6), loose, dry, fine sand, high plasticity clay, weak clay cement, no odors, ~~no stains~~, dark streaks native soil	–	–	–	65	35
						14	SP		–	–	–	100	–
						15		@13.5 Poorly Graded Sand (SP), brownish yellow (10YR 6/8), loose, dry, fine sand, possibly weathered bedrock					
						16							
						17		@13.8 Sandstone, weathered.					
						18							
						19		TD=13.8', refusal on bedrock. Install vapor probes at 5.0-6.0, 12.5-13.8. Collect encores at 5.0-6.0 in case low-flow is encountered.					
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

5.0-6.0

QA/QC

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SOSV-DG-516
Site: 3A SD
Drilling Contractor: EST
Borehole TD: 16
Project: DOE Phase 3 SV DG
Logged by: V. Vathanaxin
Driller: Morgan Hughes
Borehole Diameter: 2.25"
Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1019 / 5-22-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Comaf

Dry Bentonite
Type: #8
Manufacturer: Cetco

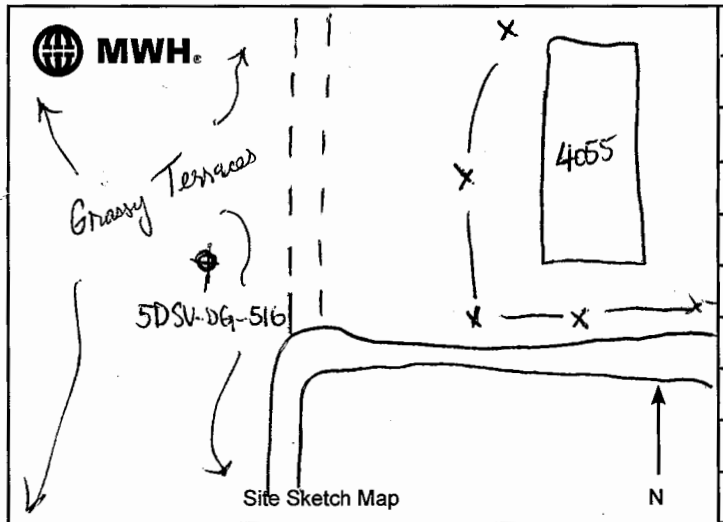
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5DSV-DG-516	Sheet 1 of 2		
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: SASD		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 16.0		
Drill Bit Type: Macrocore (V.V.)			
Drill Start Time/Date: 0903 / 5-22-14	Drill Finish Time/Date: 0955 / 5-~~22~~-14		
Soil Vapor ID: 5DSV-DG-516	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: 10:19 / 5-22-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0, 14.0-15.0	Surface Completion: Soil Vapor Probe		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description 1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations Surface Description: Grass	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Silt (ML), light yellowish brown (10YR 6/4), stiff, dry, non-plastic silt, trace granitic gravel (fine), grass roots, no stains or odors, fill	TR	-	-	-	100/
		36"				1							
						2							
						3							
						4	CH	(V.V.) ~~CL~~ Fat Clay (CH), brown (10YR 4/3), stiff, moist, medium to high plasticity clay,	TR				
		40"				5		@ trace ~~interbedded~~ (V.V.) fine granitic gravel, fill					
						6	CL-SC	@6'-6.25 Well Graded Sand w/ clay (SW-SC), brownish yellow (10YR 6/6), loose, dry, fine to coarse sand, med plasticity clay, weak clay cement, fill					
0.1						7	(V.V.) CH						
						8		@6.25 - Same as 4ft.					
						9		@ 8' 1.5-inch granodiorite (?) gravel					
		30"											

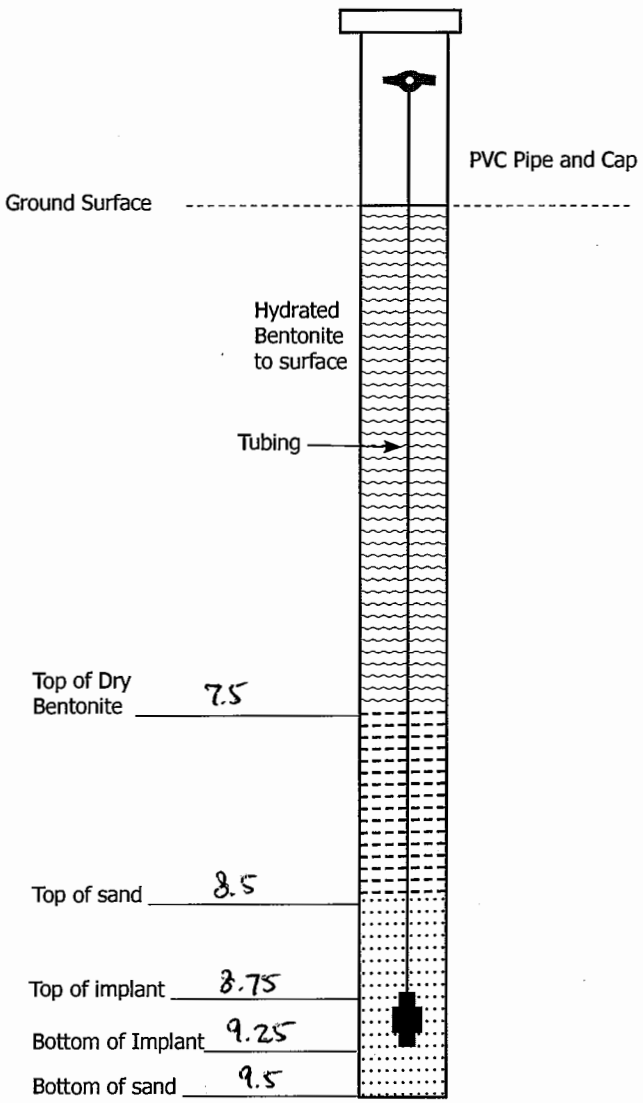
Boring ID: SDSV-DG-516 Project: Phase 3 SV DG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
			NONE			10							
						11	CL	Silty Clay (CL), dark yellowish brown (10YR 4/6), stiff, dry, medium plastic, clay and silt, native soil.	-	-	-	-	30/70
		36"				12							
						13							
						14							
0.0							SM	Silty Sand (SM), light yellowish brown (10YR 6/4), loose, dry, fine sand, non-plastic silt, non-cemented, native soil	-	-	-	60	40
		24"	NONE			15							
						16	BR	Weathered Shale - bedrock					
						17							
						18		TD=16.0 ft, refusal on bedrock. Install probes at 6.0-7.0 and 14.0-15.0. Backfill w/ medium chips to 15.0-16.0.					
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SDSV-DG-519
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SD
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 9.5
Probe Completion Date/Time: 1300/5-22-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 3/8"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

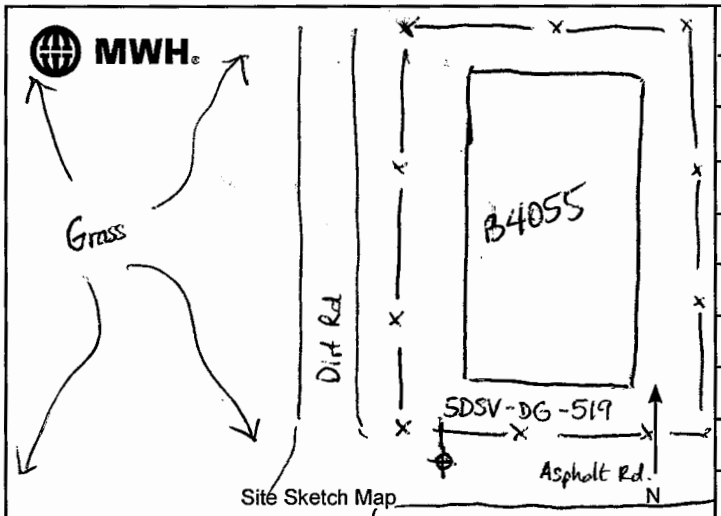
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SDSV-DG-519	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SD
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25	Total Depth (ft.bgs): 9.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1211 / 5-22-14	Drill Finish Time/Date: 1225 / 5-22-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: SDSV-DG-519	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: 1300 / 5-22-14	Surface Completion: Soil vapor probe
Soil Vapor Probe Depths (ft.bgs): 8.5-9.5	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0		9" Asphalt					
						1	CL	Clay (CL), very dark gray (10YR 3/1), med. stiff, moist, medium plasticity clay, asphalt staining, faint asphalt odors, fill	-	-	-	-	100
		48"	NONE			2							
						3		color changes to yellowish brown (10YR 5/4)					
00						4							
						5		trace gravel	TR	-	-	-	100
		45"	NONE			6		color lightens to brownish yellow (10YR 6/6)					
						7	CL	Sandy Clay (CL), yellowish brown (10YR 5/4), med. stiff, dry, low plasticity clay & fine sand, white streaks (10YR 8/1),					
00						8		@8.5 Very dark gray (10YR 3/1) stains, no odor					
						9			-	-	-	65	35
							BR	@9.0 ft Silty Sand (SM), v. pale brown (10YR 7/3), loose, dry, fine sand, silt, native					

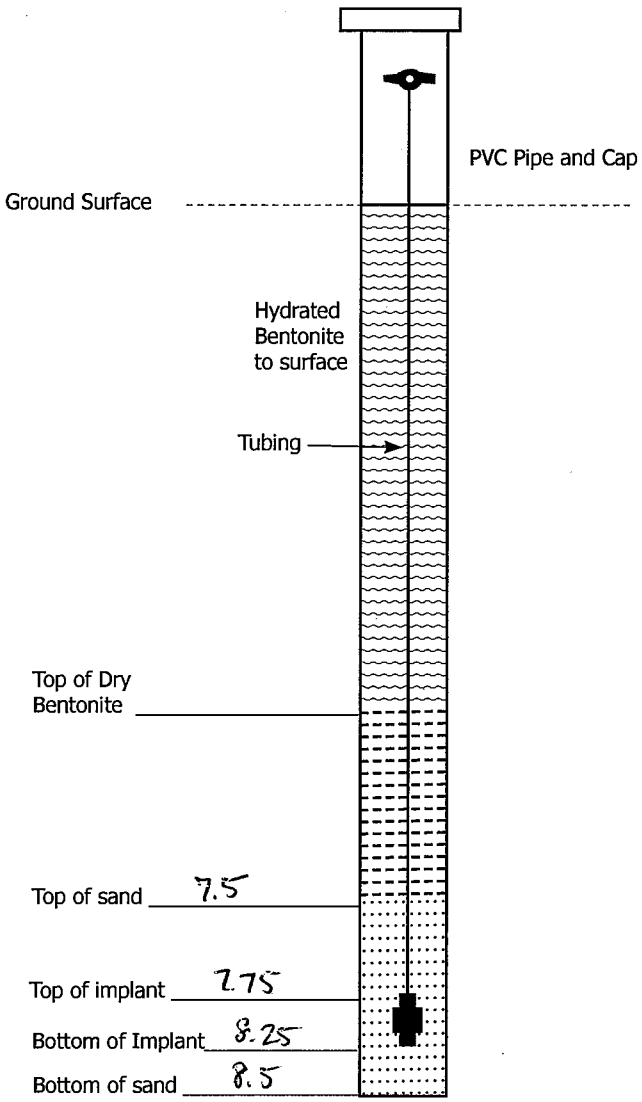
*TD = 9.5 ft. Refusal on bedrock. Installed probe 8.5 - 9.5'

@9.5 Sandstone

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SDSV-DG-526
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: 3A SD
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 8.5
Probe Completion Date/Time: 0845 / 5-23-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

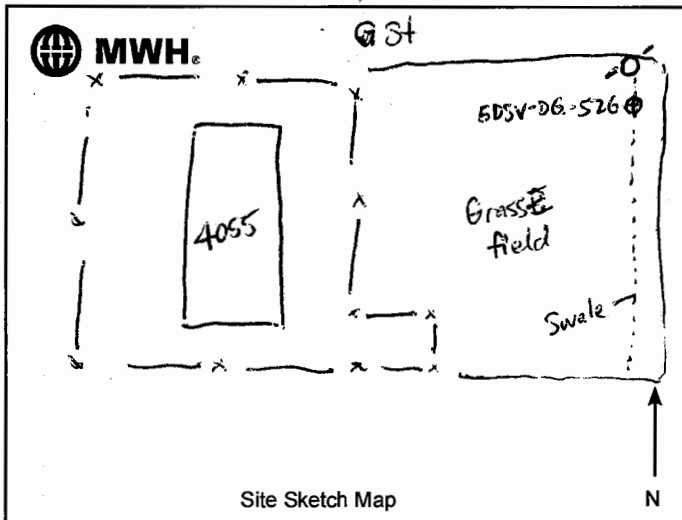
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5DSV-DG-526	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: ~~A~~ (GV) Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0800 / 5-23-14	Drill Finish Time/Date: 0820 / 5-23-14
Soil Vapor ID: 5DSV-DG-526	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 0845 / 5-23-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 7.5-8.5	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Vapor Probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

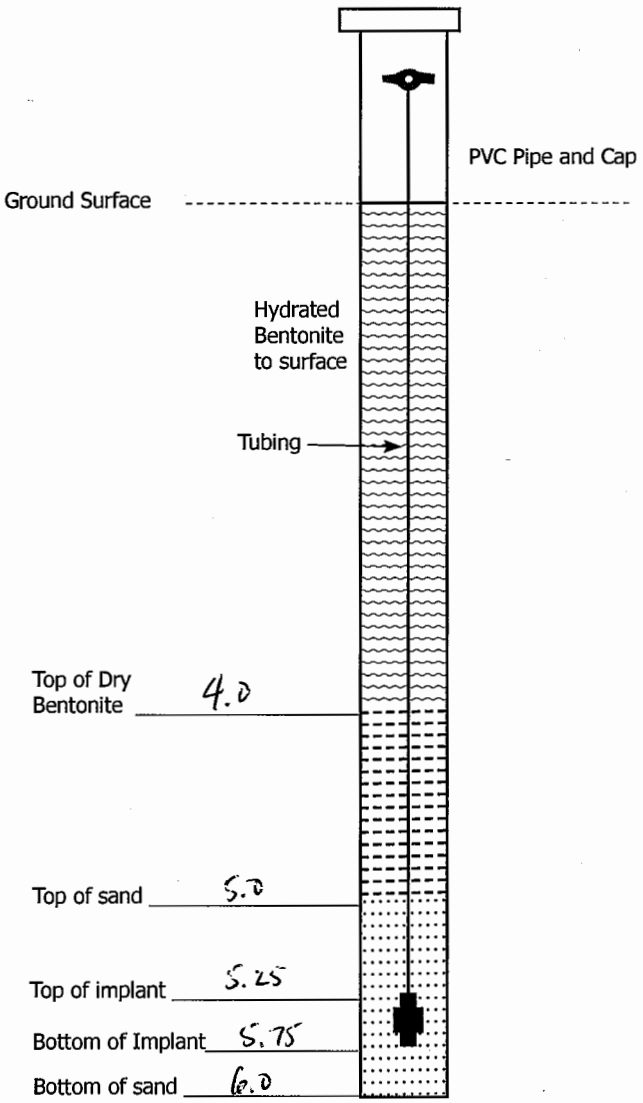
Surface Description: N. flowing drainage swale

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		36"	None			0–2	ML	Silt (ML), brownish yellow (10YR 6/6), stiff, dry, low plasticity (VV) silt, trace sand (disappears @ 0.5'), gravel deposits at the surface, roots. fill	TR	-	-	-	100/-
						2–3		Grades w/ sand, color changes to yellowish brown (10YR 5/6)	-	-	-	15	85/
0.0						3–5							
		48"	None			5–6	CL	Silty Clay (CL), brown (10YR 5/3), stiff, slightly moist, low to med. plasticity clay, silt, white nodules of decomposting quartz or felspar, fill.	-	-	-	-	25/75
						6–8							
0.1		6"				8–9	SM	Silty Sand (SM), very pale brown (10YR 7/4)	-	-	-		
	TD = 8.5', refusal on bedrock. Install probe 7.5-8.5						Br	with brownish yellow staining (10YR 6/6), med stiff, dry, fine sand, non-plastic silt, native soil @ 8.5' Sandstone					

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SDSV-DG-530
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SD
Reviewed by:
Logged by: V. Vatharasin
Drilling Contractor: EST
Rig Type/Method: Geoprobe 5400/DP
Driller: Morgan Hughes
Borehole TD: 6.0
Probe Completion Date/Time: 1003 /5-23-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

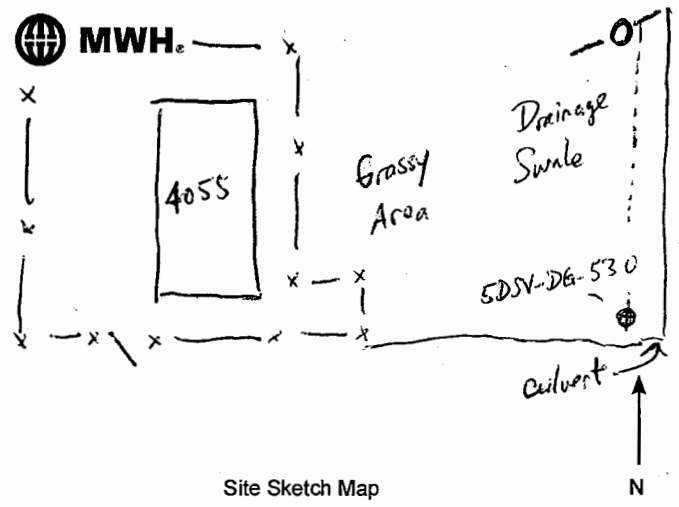
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 5DSV-DG-530	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0942 / 5-23-14	Drill Finish Time/Date: 0955 / 5-23-14
Soil Vapor ID: 5DSV-DG-530	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 1003 / 5-23-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Near culvert

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), brown (10YR 4/3), med. dense, dry, non-plastic silt, fine sand, grass roots, fill, no odors or stains	-	-	-	60	40/
		38"	NONE			1							
						2		color changes to brownish yellow (10YR 6/6), loose					
0.0						3							
						4		w/ Sand					
							ML	Silt (ML), brownish yellow (10YR 6/6), soft, dry, non-plastic silt, fine sand, no odors or stains, fill.	-	-	-	30	70/
		18"	NONE			5	SM	Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, fine sand, non-plastic silt, native soil.	-	-	-	60	40
2.0						6	Br	@6' Sandstone, weathered					
						7							
						8		TD = 6.0 ft, refusal on bedrock, install probe at 5.0 - 6.0					
						9							

QA/QC

Single Soil Vapor Probe Construction Diagram

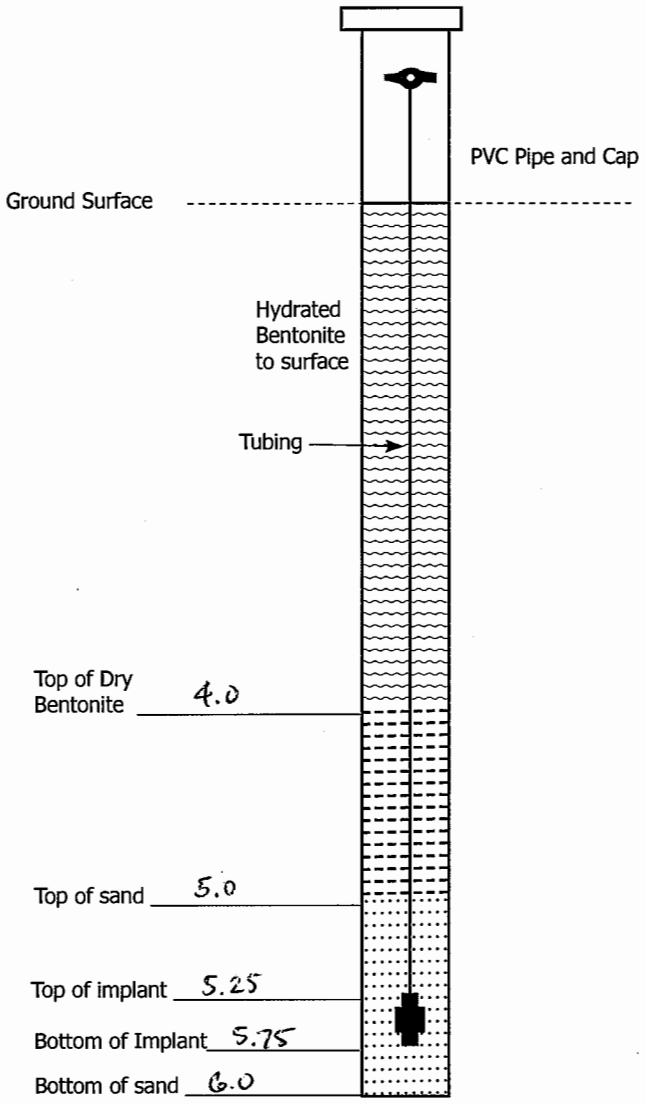
MWH

Probe ID/Soil ID: SDSV-DG-531 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SD | Reviewed by: | Logged by: V. Vathanasan

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 6.0 | Probe Completion Date/Time: 0922 / 5-23-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: ~~1/4"~~ Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

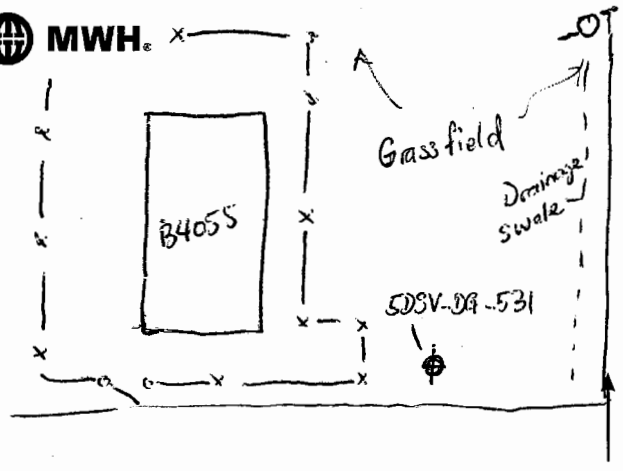
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

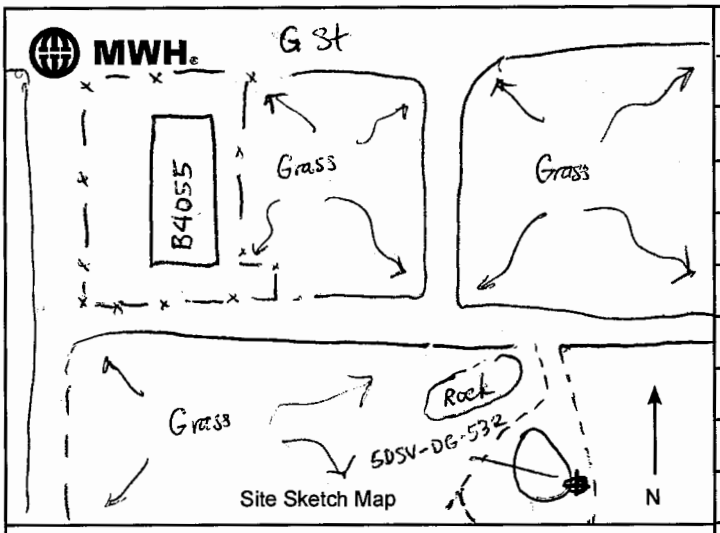
Boring ID: 5DSV-DG-531	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vathanesin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 6.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0855 / 5-23-14	Drill Finish Time/Date: 0911 / 5-23-14
Soil Vapor ID: 5DSV-DG-531	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 0922 / 5-23-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5.0 - 6.0	Surface Completion: Soil Vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Grassy area E. of 4055

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (sm), yellowish brown (10YR 5/4), loose, dry, fine sand, non-plastic silt, no odors or stains, fill.	-	-	-	60	40/
		33"				1	ML	@ 1.1' Silt (mL) with Sand, dark yellowish brown (10YR 4/4), stiff, dry, non-plastic silt, fine sand, no stains or odors, fill	-	-	-	15	85/
0.0						2							
						3							
						4		Grades to Sandy Silt, light yellowish brown (10YR 6/4), fill	-	-	-	30	70/
		24"				5							
0.0						6	SM	Silty Sand (sm), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, native soil	-	-	-	60	40/
						7	Bd	@ 6' Sandstone, ~~refusal~~ weathered					
						8		TD = 6.0, refusal on ~~sandstone~~ bedrock, install probe @ 5.0 - 6.0					
						9							

MWH.



Site Sketch Map

Boring ID: 5DSV-DG-532	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 4.5'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1255/5-27-14	Drill Finish Time/Date: 1320/5-27-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1331/5-27-14 Backfill Material: Soil cuttings.
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: None
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

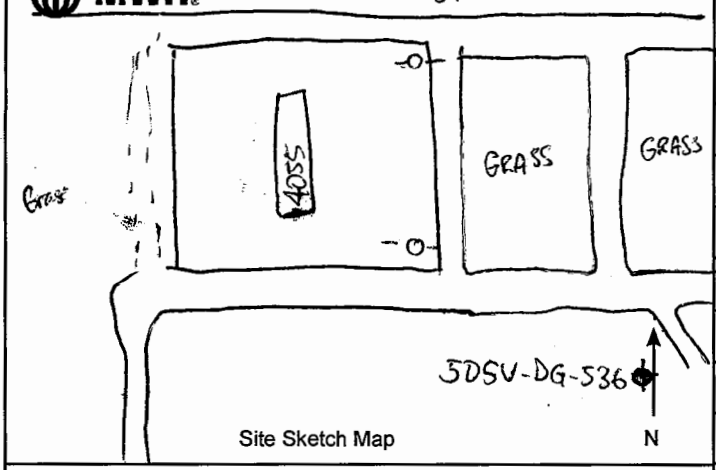
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Gravel ~~access~~ access road.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, no odors or stains, backfill,	-	-	-	65	35/
		45"				1							
						2		@1.25' laminated appearance					
						3							
0.6						4		VV.					
	X	6"	X		13:15			~~graded~~ grades to →	-	-	-	70	30/
SVL-532-SA5D-SB-4.0-4.5						5		color changes to (10YR 5/8) yellowish brown					
						6		TD= 4.5 ft bgs. Refusal on bedrock, no probes installed; collect soil sample ~~4.5-5~~ 4.0-4.5 ft bgs.					
						7							
						8							
						9							

QA/QC
Sur icial media boring log rev 2-25-2014

MWH



Site Sketch Map

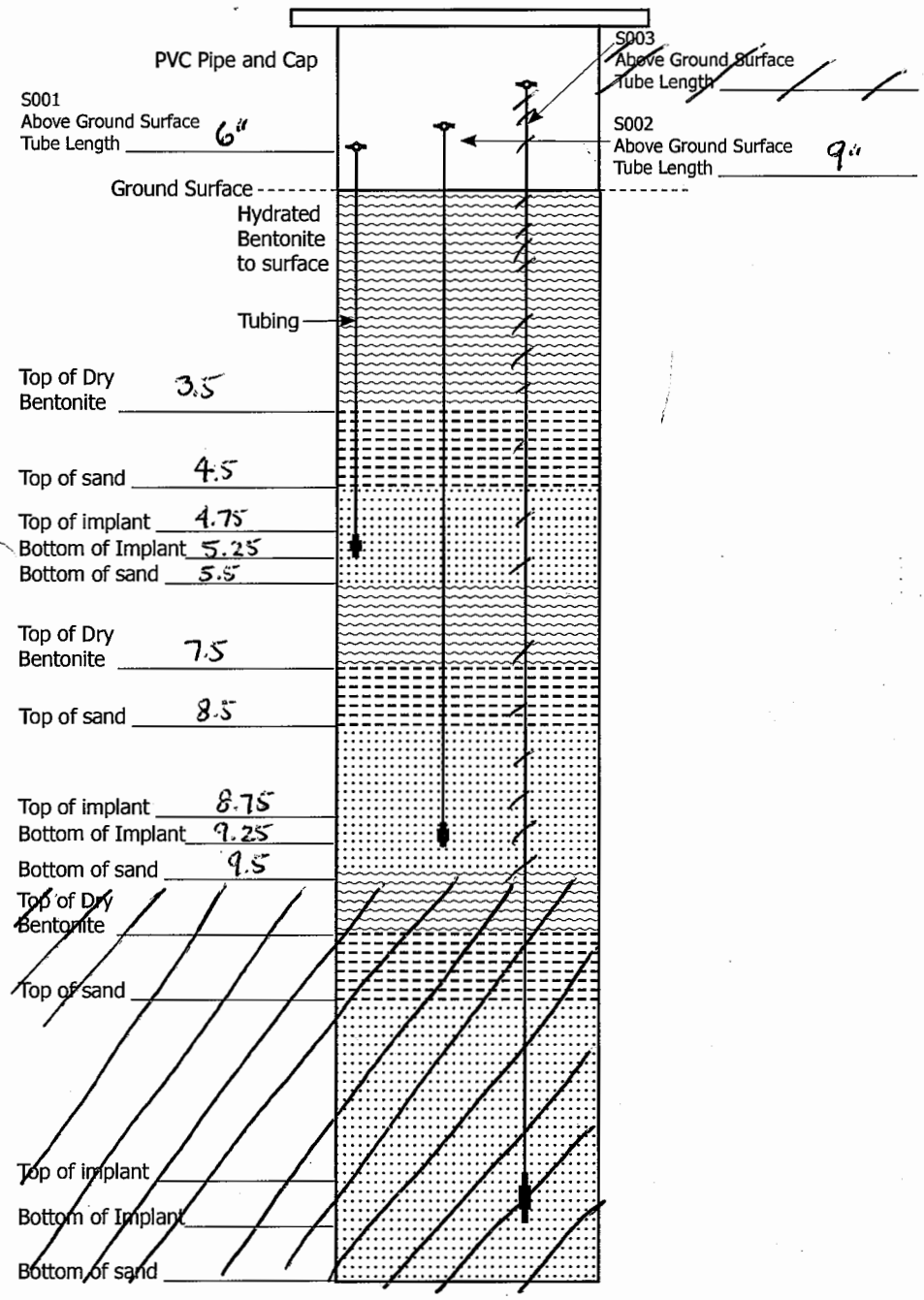
Boring ID: 5DSV-DG-536	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vatharasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 2.3
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1041 / 5-23-14	Drill Finish Time/Date: 1050 / 5-23-14
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 1105 / 5-23-14 Backfill Material: Soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: Backfilled w/ soil
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: Surface Description: Grass covered hummocky area.	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
	X					0	SM	Silty Sand (SM), yellowish brown (10YR 5/4), loose, dry, fine sand, non plastic silt, animal burrows, grass, fill.	-	-	-	60	40
		27"				1		@ 1.1 ft, color changes to yellow (10YR 7/6), native soil.					
0.0			☒		1054	2		@ 2.3 ft Shale.					
SVE-536-SA5D-SB-1.8-2.3						3		TD = 2.3 ft, refusal on bedrock.					
						4		Collect encores at 1.8 - 2.5 ft.					
						5							
						6							
						7							
						8							
						9							

Soil Description
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5DSV-DG-539
Project: Phase 3 DoT SV DG
Job #: 10503982
Site: SASD
Logged by: V. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 9.5
Borehole Diameter: 2.25"
Probe Completion Date/Time: 1201/5-23-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Comerf

Dry Bentonite
Type: #8
Manufacturer: Cetco

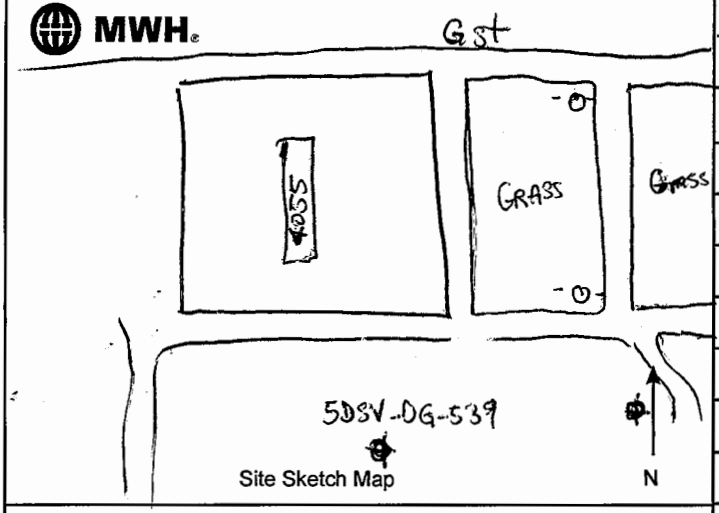
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH.



Site Sketch Map

Boring ID: 5DSV-DG-539	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 9.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1125 / 5-23-2014	Drill Finish Time/Date: 1145 / 5-23-2014
Soil Vapor ID: 5DSV-DG-539	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1201 / 5-23-14	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 8.5-9.5	Surface Completion: Soil vapor probes
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Surface Description:	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM-GW	Silty Sand w/ Gravel (SM-GW), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non plastic silt, fine angular gravel, fill	5	-	-	55	40
		34"	NONE			1	ML		5	-	-	30	65
		~~48"~~	V.V			2		Silt w/ sand and gravel (ML), dark yellowish brown (10YR 4/4), med stiff, dry, silt and fine sand, fine gravel, fill	-				
						3		5.5-6.0 (V.V.)					
						4	~~GW~~	@~~1.5-2.0~~ Well Graded Gravel (GW), light gray (10YR 7/1) to grayish brown (10YR 5/2), friable, dry, fine to coarse gravel with, sandy matrix, fill					
		48"	NONE			5	GW		~~GW~~ 70	20	10	5	
						6	SM	Silty Sand (SM), yellowish brown (10YR 5/6), loose, dry, fine sand, low-plasticity silt, possibly native soil, light gray weathering (10YR 7/2) streaks.	-	-	-	60	40
						7							
						8							
		18"	NONE			9							
@3							Br	@ 9.5 -- Sandstone, weathered					

TD = 9.5', Refusal on bedrock, set probes at 4.5-5.5 and 8.5-9.5

4.5-5.5

QA/QC
Sur icial media boring log rev 2-25-2014

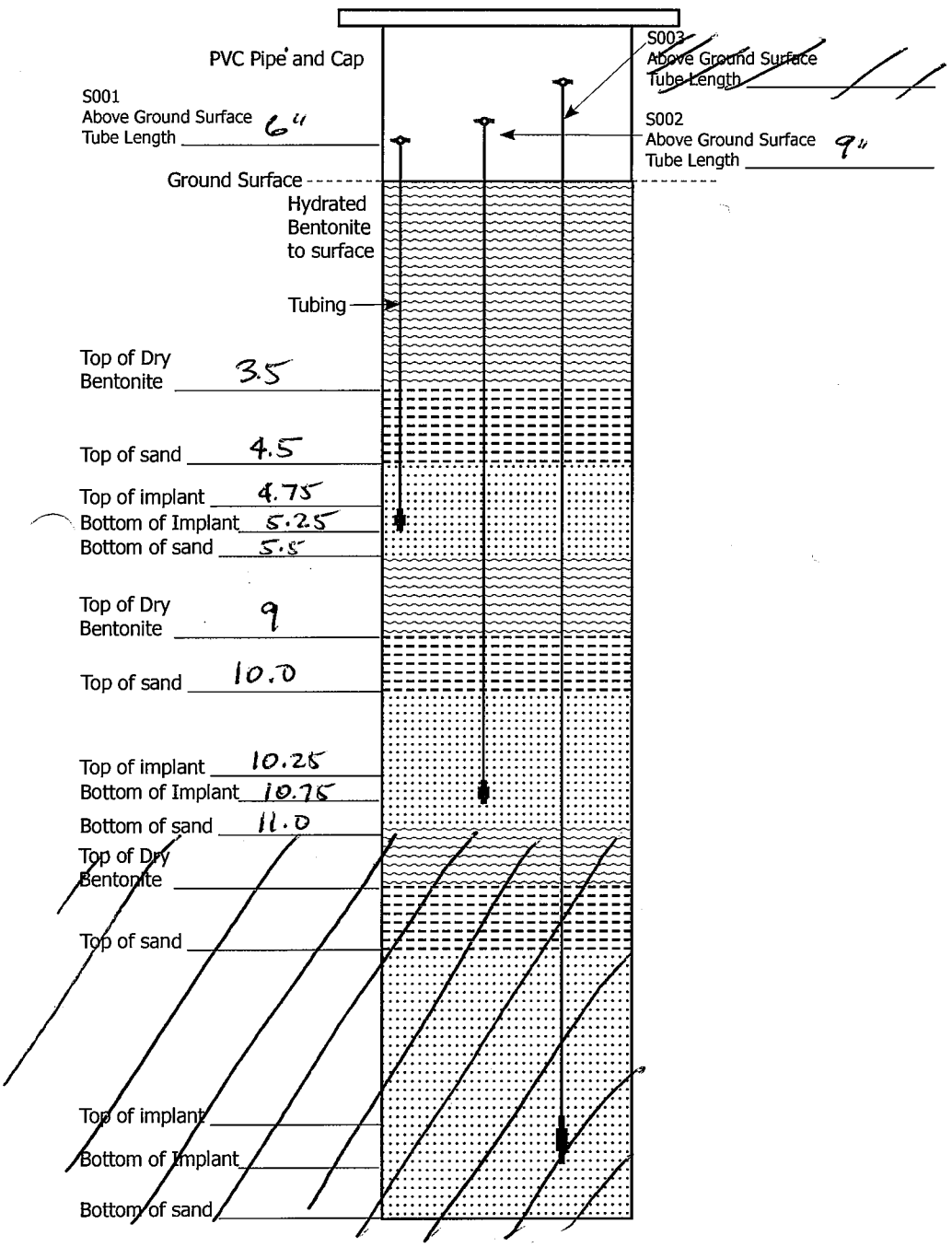
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5D3V-DG-544
Site: ~~2A5D~~ (V.) 5D
Drilling Contractor: EST
Borehole TD: 11.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1205/5-22-14



Vapor Implant Specs

Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs

Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs

Grain Size: #3
Manufacturer: Cemex

Dry Bentonite

Type: #8
Manufacturer: Cetco

Hydrated Bentonite

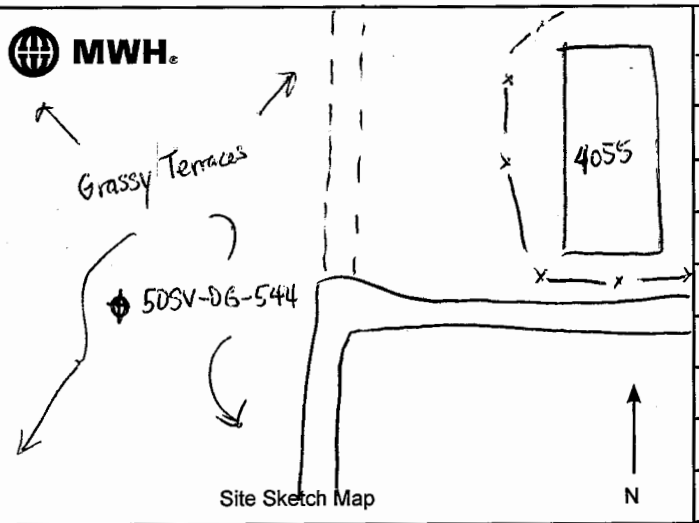
Type: #8 ~~Cet~~
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SDSV-DG-544 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: SA 5D

Logged By: V. Vathanaa Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 11.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1130 / 5-22-14 Drill Finish Time/Date: 1150 / 5-22-14

Soil Vapor ID: SDSV-DG-544

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1205 / 5-22-14

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 10-11.0

Surface Completion: Soil vapor probe

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
								Surface Description: Graded backfill					
						0	ML	Silt (~~SM~~) (ML), yellowish brown (10YR 5/4), stiff, dry, non-plastic silt, some grass roots, no stains or odors, fill	-	-	-	-	100/
		45"				1							
			NONE			2	CL	Silty clay (CL), pale brown (10YR 6/3), stiff, moist, low to medium plasticity clay, silt, no odors or stains, fill	-	-	-	-	40/60
						3							
							ML	Silt w/ Sand (ML), light yellowish brown (10YR 6/4), stiff, dry, non-plastic silt, fine sand, fill	-	-	-	15	85/
						4							
						5		(CL)					
							CL	Clay, brown (10YR 4/3), stiff, moist, medium plasticity clay, no stains or odors, fill					
		46"	NONE			6							
						7	ML	Sandy Silt (ML), yellowish brown (10YR 5/4), med. stiff, dry, low plasticity silt, fine to medium sand, no odors or stains, fill	-	-	10	25	65/
						8							
						9							
							SM	Silty Sand (SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic	-	-	-	70	30/
		36"	NONE										

con't next page →

Boring ID: 5DSV-DG-544 Project: DOE Phase 3 DG SV 2014 Sheet 2 of 2

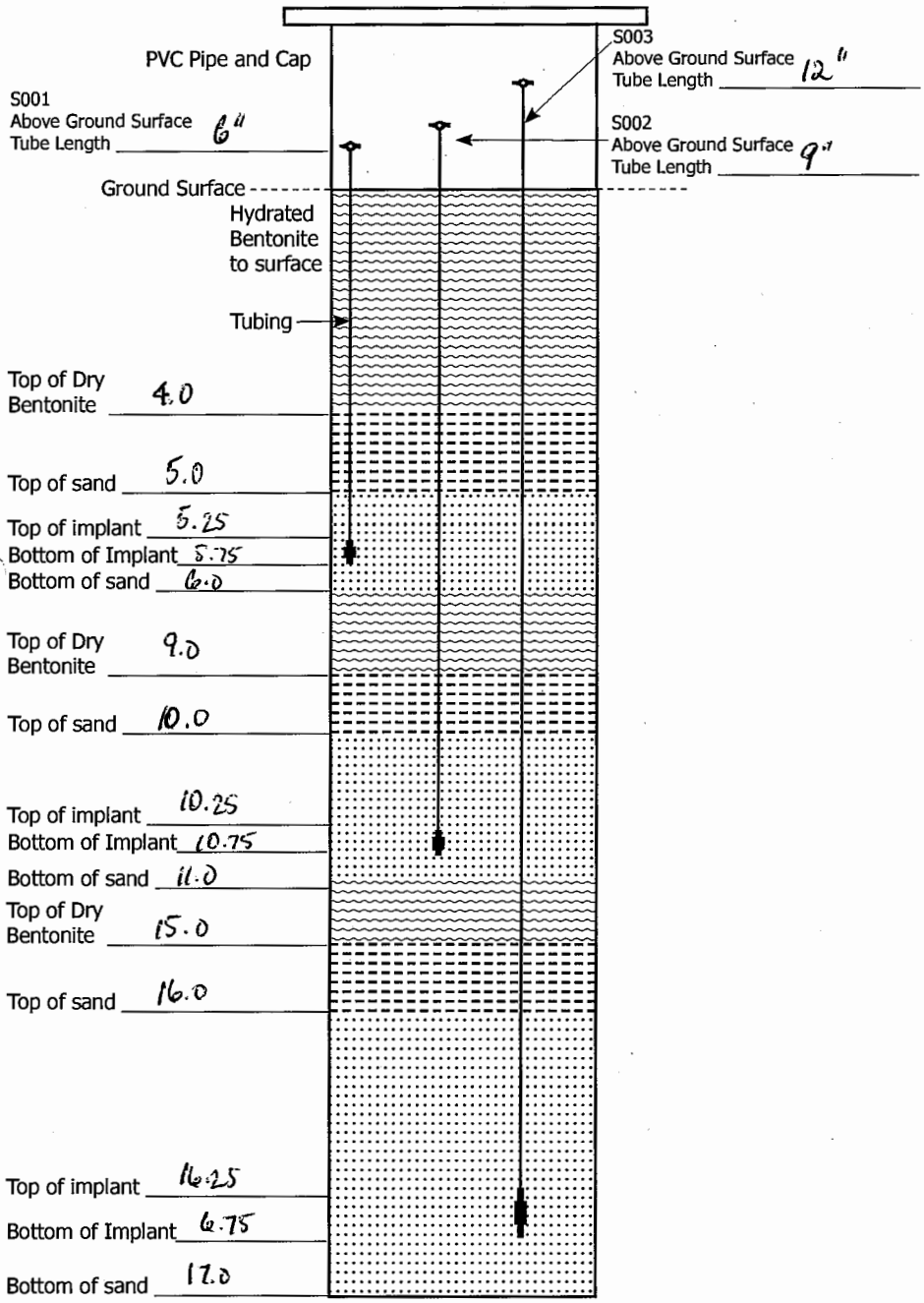
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						10		→ silt, ~~m~~ yellowish brown (10YR 5/8)					
								iron staining, native soil					
						11	Br	Sandstone					
						12		TD = 11.0 ft. refusal on bedrock;					
						3		Install vapor probes at 4.5-5.5					
								and ~~100~~ 10.0-11.0					
						4							
						5							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-546
Site: SA 5D
Drilling Contractor: EST
Borehole TD: 17.0

Project: DOE Phase 3 SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1145 / 5-27-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

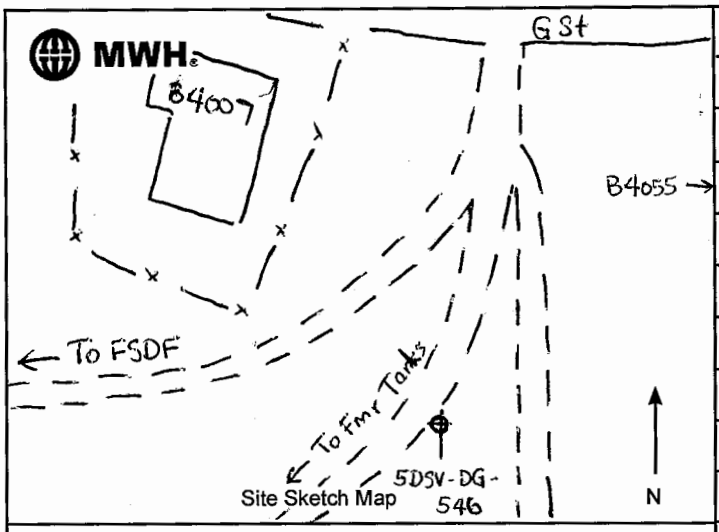
Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2



Site Sketch Map

Boring ID: 5DSV-DG-546 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vatharasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 7 5400 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 17.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 0955 / 5-27-14 Drill Finish Time/Date: 1101 / 5-27-14

Soil Vapor ID: 5DSV-DG-546

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1145 / 5-27-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, 16.0-17.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Adjacent to Gas ~~Pipe~~ Pipeline Rd

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
		36"				0	ML	Silt (ML), brown (10YR4/3), stiff, dry, non-plastic silt, few roots, white nodules, fill (reworked native soil), no odors or stains,	-	-	-	-	100/
						5	CL						
		48"			11:03	5.0-6.0		Clay (CL), very dark grayish brown (10YR 3/2), stiff, moist, medium plasticity clay,	-	-	-	-	100
		SVL-5460-SA5D			dashed line	6	CL	no dilatency, high strength & toughness, fill grades to Sandy Clay, fill - color changes to yellowish brown (10YR 5/6)	-	-	-	25	100
						8		@8.5 grades w/ the fine to coarse sand, ~~slightly~~ (v.u) highly weathered sand fragments, fill {(light gray 10YR 7/2)}	-	10	10	15	65

Boring ID: SDSV-DG-546 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

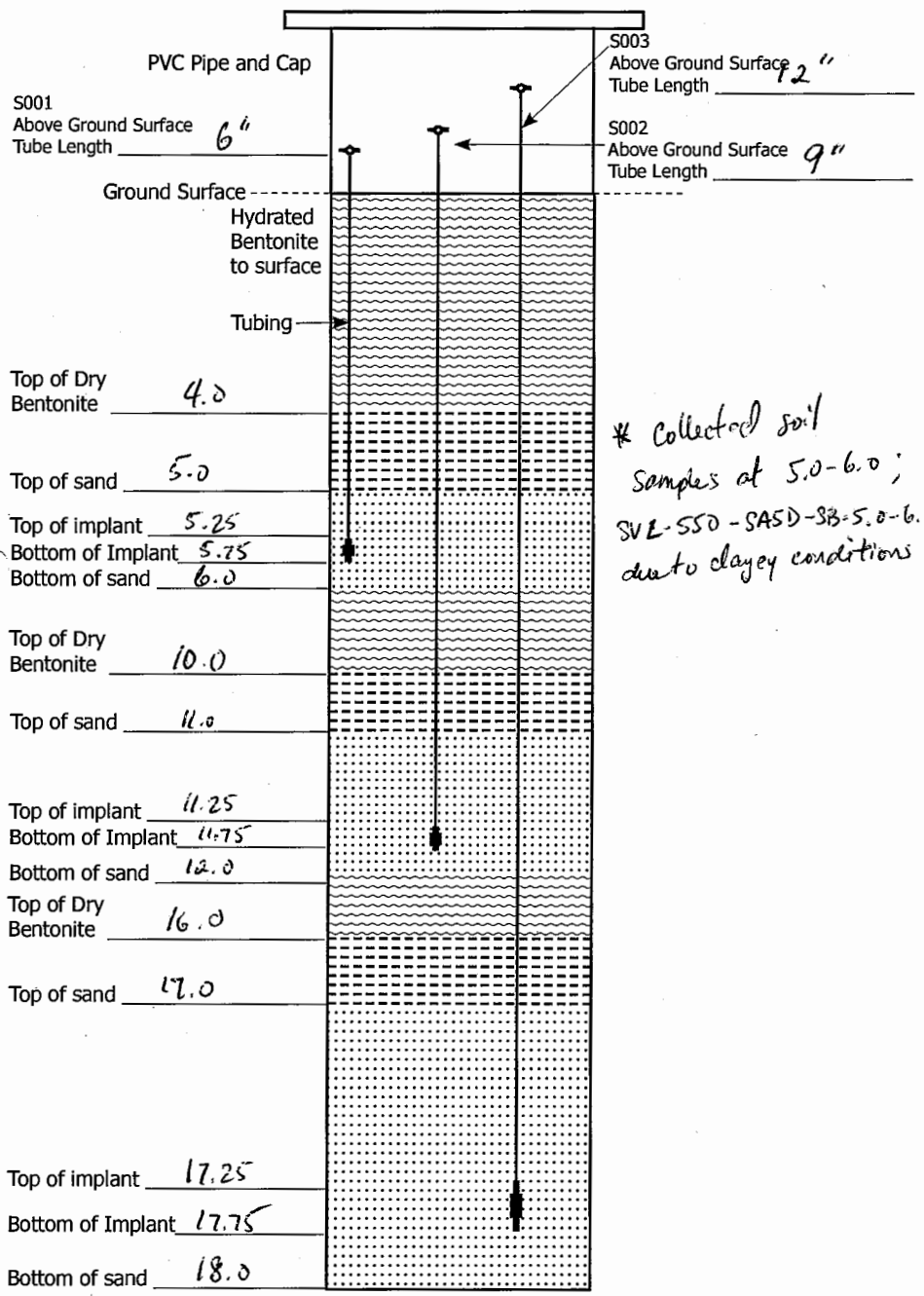
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		48"				10							
						11		grades with fine gravel, angular, ~~mottled~~ (V.F.)					
						12		mottled (sp?) yellowish brown (10YR 5/4) and very pale brown (10YR 8/3); fill					
		40"				13							
						14							
						15							
		18"				16	SM	Silty Sand w/ Clay (SM), light yellowish brown (10YR 6/4), med. dense, dry, fine	-	-	-	65	20/15
						17	BR	sand, silt, low plasticity clay; native soil					
						18		@ 17.0 Weathered Sandstone					
						19							
						20		TD = 17.0' Refusal on bedrock, install probes					
						1		at 5.0-6.0, 10-11.0, 16.0-17.0. Collect					
						2		encores at 5.0-6.0 due to clay-rich soil.					
						3							
						4							
						5							
						6							
						7							
						8							
						9							

5-6 16-17

MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-550
Project: Phase 3 DOE SVDG 2014
Job #: 10503982
Site: 3A SD
Logged by: V. Vathanasin
Reviewed by:
Drilling Contractor: EST
Driller: Morgan Hughes
Rig Type/Method: Geoprobe 5400/DP
Borehole TD: 18.0
Borehole Diameter: 2.25"
Probe Completion Date/Time: 09:30/5-27-14



* Collected soil samples at 5.0-6.0; SVE-550-SASD-SB-5.0-6.0 due to clayey conditions

Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: # 8
Manufacturer: Cetco

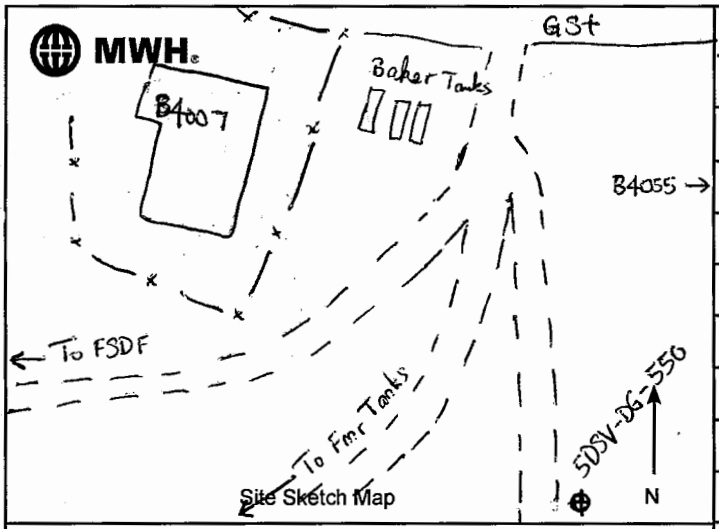
Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

5DSV-DG-550

MWH



Site Sketch Map

Boring ID: ~~5VDG~~	Sheet 1 of 2		
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes.		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25	Total Depth (ft.bgs): 18.0'		
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0803 / 5-27-14	Drill Finish Time/Date: 0851 / 5-27-14		
Soil Vapor ID: 5DSV-DG-550	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date:	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None		
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 17.0-18.0 (5.0)	Surface Completion: Soil vapor probes.		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Surface Description: Grass Silty Sand (SM), dark yellowish brown (10YR 4/4), med. dense, dry, fine sand, non-plastic silt, roots, no staining, no odors, fill.	-	-	-	60	40/
		31"				1							
						2	ML	Silt (ML), yellowish brown (10YR 5/4), med. stiff, dry, low-plasticity silt, white weathering fractures, no odors, fill	-	-	-	-	100/
						3							
0.0						4	CL	Clay w/Silt (CL), dark yellowish brown (10YR 4/4), stiff, slightly moist, low to medium plasticity clay, silt, possibly native soil, (FILL) ~~no stains~~ no odors, white chemical					
		48"			0802	5							
				SVL-550-SA5D-SB-5.0-6.0		6		weathering stains,					
						7							
0.0						8	CL	~~Clay~~ Sandy Clay (CL), dark yellowish brown (10YR 4/6), soft, dry, low plasticity clay, fine sand, slight oxidation (yellowish brown (10YR 5/8)), native soil, no odors.					
						9							
						10							

cont page 2.

Boring ID: SDSV-DG-550 Project: Phase 3 DOE SV DG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		48"				0							
						1							
						2							
		48"				3							
						4							
0.0						5							
						6	SC	Clayey Sand (SC), yellowish brown (10YR 5/6), loose, dry, fine to med sand, medium plasticity clay, weak clay cement, native soil.	-	-	15	50 (65)	35
		24"				7							
0.0						8	Br	Bedrock - Sandstone, weathered.					
						9		TD = 18'. Refusal on sandstone bedrock, install probes at 5.0-6.0, 11.0-12.0, and 17.0-18.0. Collect encores at 5.0-6.0 for potential low flow conditions.					
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture
6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

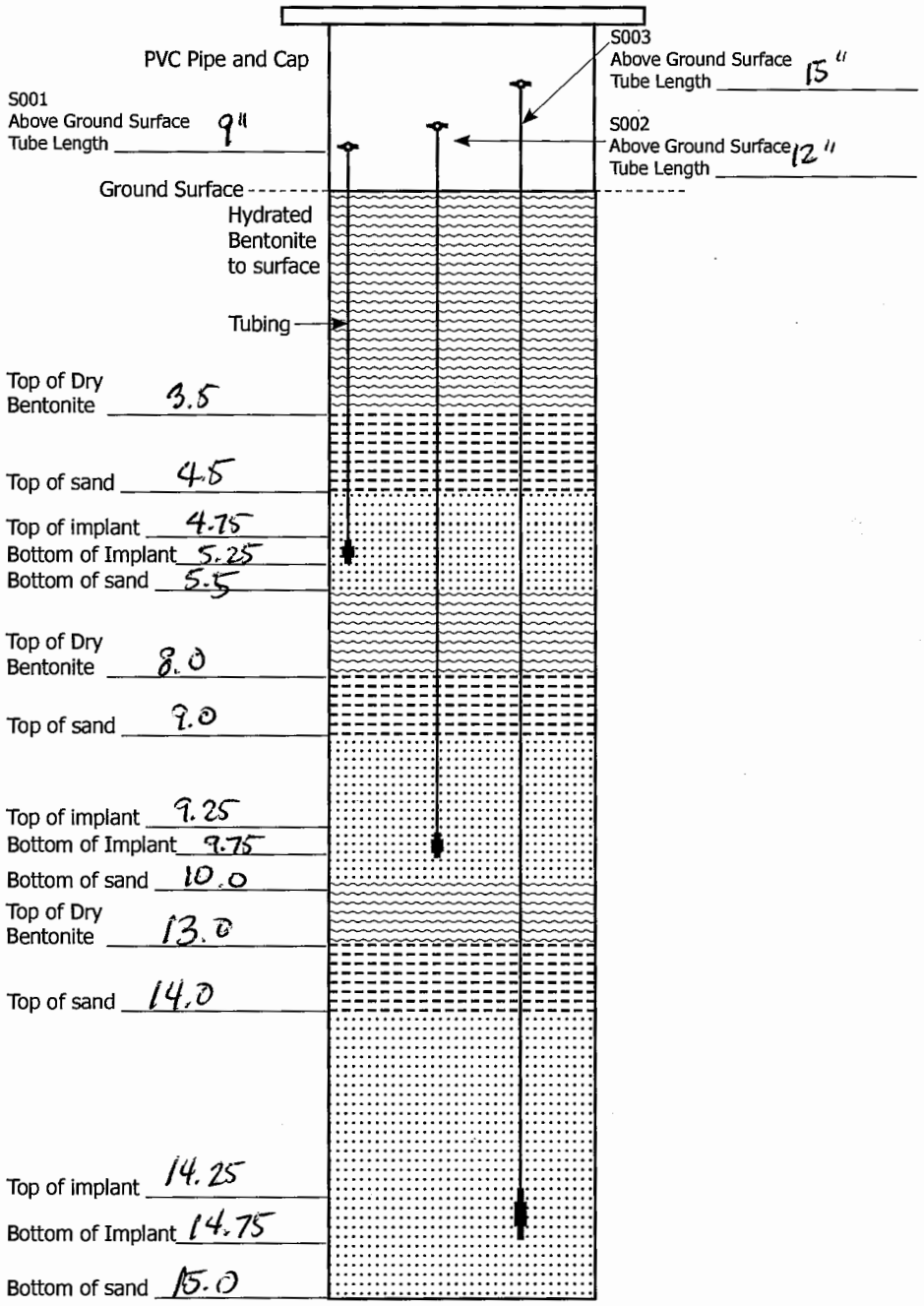
5-6 17-18

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SDSV-DG-553
Site: SD
Drilling Contractor: EST
Borehole TD: 20.0

Project: Phase 3 DOE SV DG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 1050982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1300 / 6-3-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

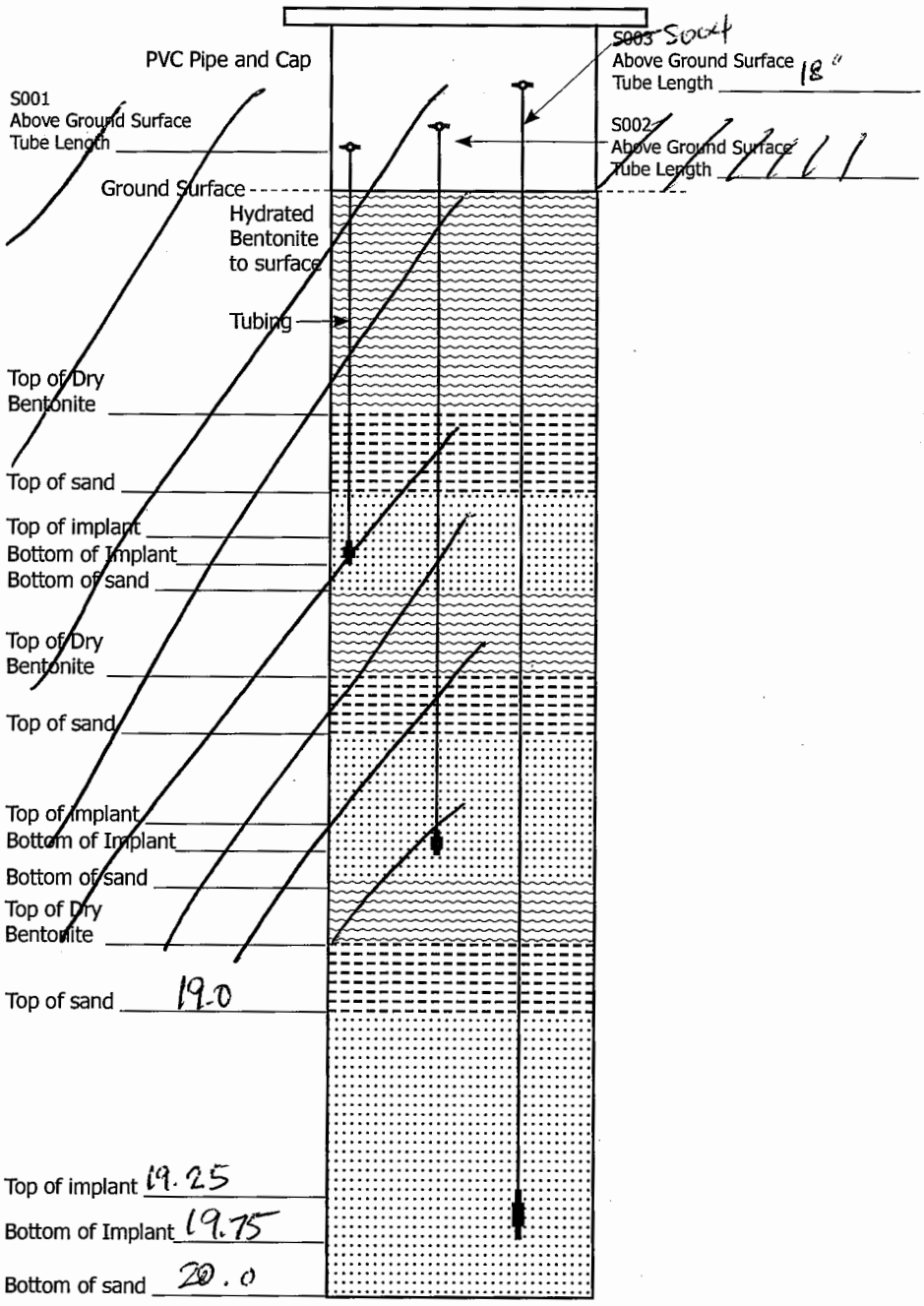
Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 5DSV-DG-553
Site: 5D
Drilling Contractor: EST
Borehole TD: 20.0
Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"
Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 1300 / 6-3-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

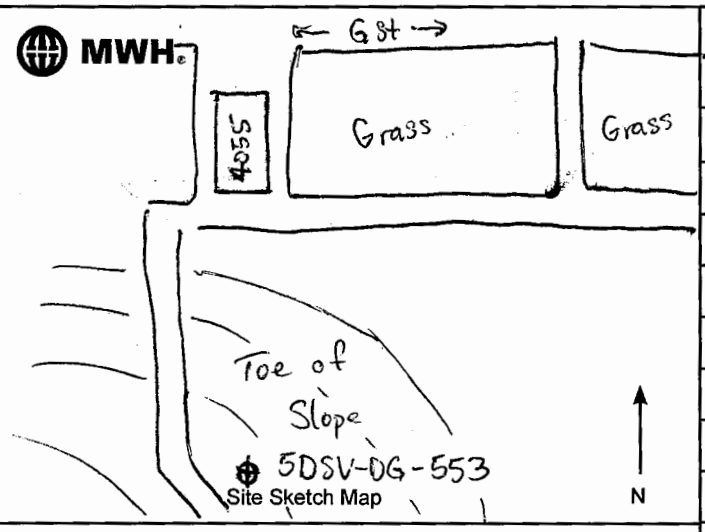
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 5DSV-DG-553 Sheet 1 of 2

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 5D

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Morgan Hughes

Drill Rig Type/Method: Geoprobe 5460 / DP

Sampler Type: Macrocore

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 20.0

Drill Bit Type: Macrocore

Drill Start Time/Date: 1053 / 6-3-14 Drill Finish Time/Date: 1140 / 6-3-14

Soil Vapor ID: 5DSV-DG-553

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 1300 / 6-3-14

Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None

Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 9.0-10.0, 14.0-15.0, 19.0-20.0

Surface Completion: Soil vapor probes

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Estimated % of Sand: Gravel	Coarse	Medium	Fine	Silt/clay
						0	SM	Surface Description: NE facing Slope, Grassy Silty Sand (SM), dark yellowish brown (10YR 4/4), loose, dry, fine sand, non-plastic silt, roots, fill	-	-	-	60	40
		36"				1							
						2	ML	Silt w/ Sand (ML), brown (10YR 4/3), medium stiff, dry, low-plasticity silt, fine sand, fill	-	-	-	15	85
0.0						3							
						4							
					12:03	5	CL	Clay (CL), dark yellowish brown (10YR 4/4), med. stiff, moist, med. plasticity clay, no odors, few white nodules (decomposed feldspar), native soil	-	-	-	-	100
		48"				6							
						7							
						8							
		48"				9							
0.0					12:10								

Boring ID: SDSV-DG-553 Project: Phase 3 DOE Soil Vapor Data Gap Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	CL						
						1							
						2							
						3							
0.0		45"				4							
					12:15	5		@15' dark yellowish brown (10YR 4/4) staining (streaks), no odors.					
						6	---	Grades with sand.	–	–	–	15	85
		48"				7							
						8							
						9							
0.0					12:27	20	Br	Weathered bedrock, sandstone					
						21							
						22		TD = 20.0'; refusal on bedrock, install vapor probes at 4.5-5.5, 9.0-10.0, 14.5-15.5, and 19.0-20.0					
						23							
						24		Collected encores at 4.5-5.5, 9.0-10.0, 14.0-15.0, and 19.0-20.0 due to potential low-flow conditions					
						25							
						6		Note: Moved location ~3 ft east to "safer" conditions. Proposed location is too steep for rig.					
						7							
						8							
						9							

4.5-5.5, 9-10, 14-15, 19-20

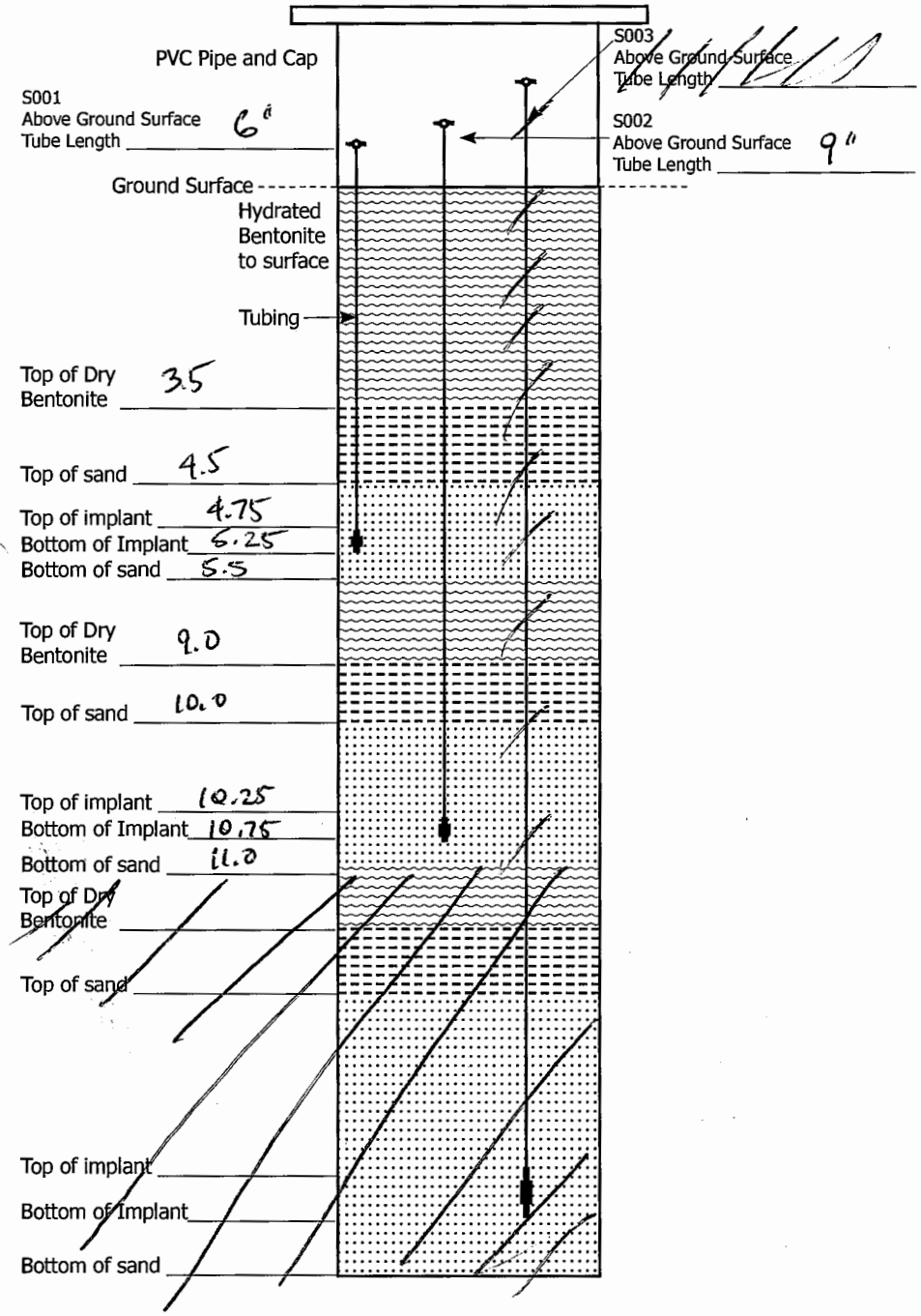
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SDSV-DG-556
Site: 3A SD
Drilling Contractor: EST
Borehole TD: 12.0

Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400/DP
Probe Completion Date/Time: 1420/6-3-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

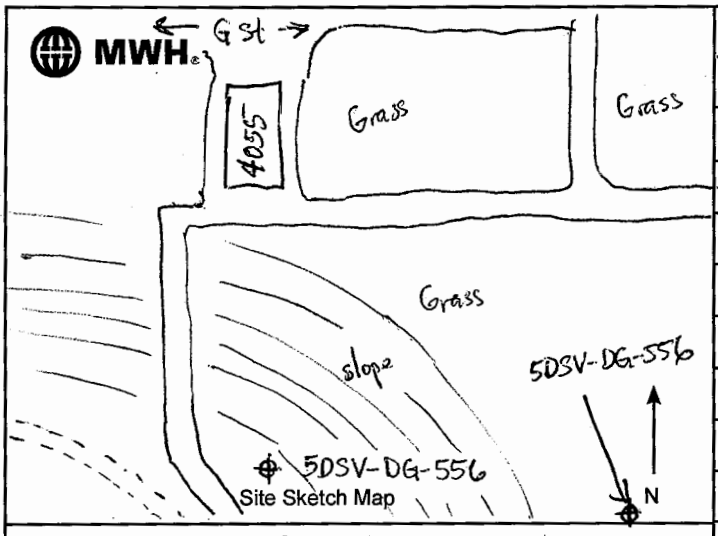
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2



Site Sketch Map

Boring ID: 5DSV-DG-556	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 5D
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 12.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1325 / 6-3-14	Drill Finish Time/Date: 1355 / 6-3-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: Soil Vapor probes	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID: 5DSV-DG-556

Soil Vapor Well Completion Time/Date: 1420 / 6-3-14

Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 10.0-11.0

Soil Vapor Well Detail Completed (yes/no)

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Veg Cleared, @ foothills

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	~~SM~~ SM	Silty Sand (SM), brown (10YR 4/3), loose, dry, fine sand, non-plastic silt, few grass roots, fill, no stains or odors.	-	-	-	60	40/
		36"				1							
						2		grades to med. stiff; color changes to dark yellowish brown (10YR 4/4), fill					
						3							
0.0						4	ML	Silt (ML), dark yellowish brown (10YR 4/4) w/ yellow (10YR 7/6) weathering, med. dense, dry, non-plastic silt, native soil	-	-	-	-	100/
					14:00	5							
		48"				4.5-5.5							
						6							
						7							
0.0						8							
		36"				9							
						10							

SVL-556-SA5D

Boring ID: SDSV-DG-556 Project: Phase 3 DOT SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
					14:08	10	CL	Clay (CL), light yellowish brown (10YR6/4), soft, dry, low to medium plasticity clay, native, likely weathered shale.					100
0.0		12"		SASD-556-SV1	10-11	11	Br						
						12	Br	Shale, weathered.					
						13							
						14		TD = 12.0, drilled into bedrock. Backfill to 11.0 ft and set probes at 4.5-5.5 and 10.0-11.0 ft - Also collected encores due to tight soil conditions (clayey/silty).					
						15							
						16							
						17							
						18		4.5-5.5 = 13 uR, 0.0 ppm, 44 cpm					
						19		10.0-11.0 = 14 uR, 0.0 ppm, 55 cpm					
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

4.5-5.5, 10-11

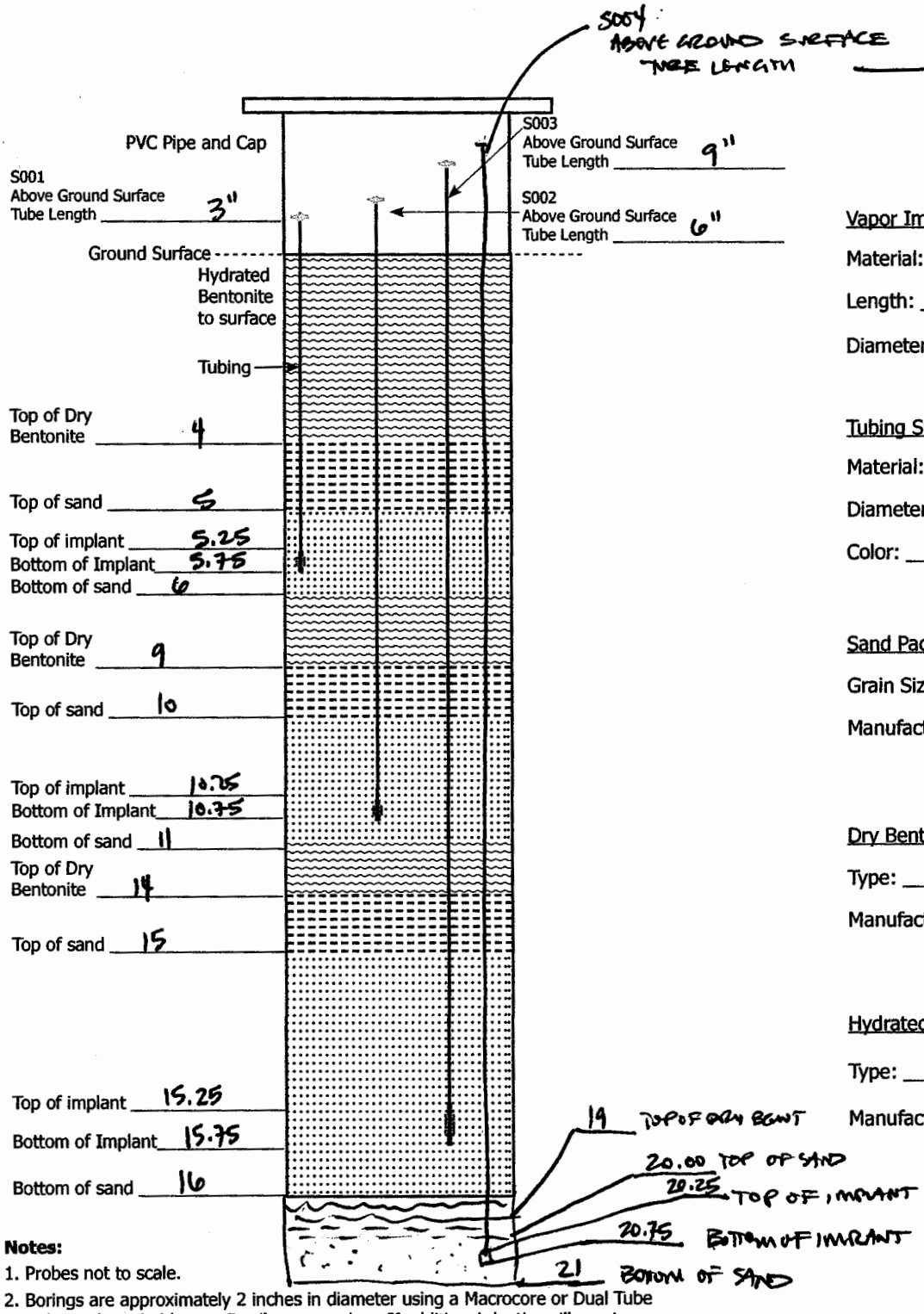
Multiple Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: GSV-DG-509
Site: SA 6
Drilling Contractor: EST
Borehole TD: 21' BGS.

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ANDREW PAYNE
Driller: MARTIN KILHOLLEN
Borehole Diameter: 2.25"

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: GEOPROBE 5400 / DP
Probe Completion Date/Time: 6/4/14 0945



Vapor Implant Specs
Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

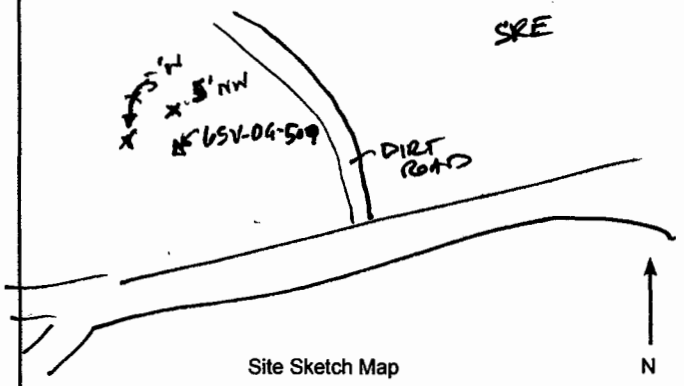
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH

2-STEPOUTS:
- 5' NW
- 5' W



Site Sketch Map

Boring ID: GSV-DG-509	Sheet 1 of 2
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA... G
Logged By: ANDREW RAYNE	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILMULLEN
Drill Rig Type/Method: GEOPROBE 5400 / DP	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs):
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 0755 6/9/14	Drill Finish Time/Date: 0910 6/9/14
Soil Vapor ID: GSV-DG-509	Soil Boring Backfill Time/Date: Backfill Material:
Soil Vapor Well Completion Time/Date: ~~0915~~ 0915 6/9/14	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 5, 10, 15, 20 (5-6, 10-11, 15-16, 20-21)	Surface Completion: SOIL VAPOR PROBE
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: CONCRETE/ENCASED BR? ☒ Bedrock ☒ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) / Surface Description:	Gravel / Angular	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		SILTY SAND (SM) DRY TO SLT. MOIST, YELLOWISH	15	15	25	25	20
						1		BROWN (10YR 5/4) TO DARK YELLOWISH BROWN;					
								LOOSE, FINE TO CS SAND, SA TO SR, DEBRIS,					
						2		CONCRETE, ASPHALT, V. SM W/ GRAVEL/DEBRIS.					
		48"	—	N/A NONE				FILL MATERIAL; SOME GREY (10YR 6/1) AND WHITE (10YR 8/1)					
						3		CONCRETE, DARK GRAYISH BROWN SOIL NEAR ASPHALT					
								(10YR 4/2). 0.0 PPM ON PID. <15% DEBRIS.					
						4							
								SAA (SM)	15	15	25	25	20
						5		- FILL					
						6							
		48"	—	N/A NONE									
						7							
						8		SAA (SM); MOD DENSE TO LOOSE.	15	10	25	25	20
								-FILL; INCREASE CONCRETE/ASPHALT DEBRIS					
						9		TO 20%.					
		48"											

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Boring ID: GSV-DG-509 Project: SOIL VAPOR PROBE INSTALLATION Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description: FILL TO 21' (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel/Debris	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
				N/A		10		SAA (SM); INCREASE ASPHALT/CONCRETE TO 20%.	20	10	25	25	20
0.0		48"	—	NONE	—			-FILL					
		↓				11							
						12							
								SAA (SM); MED. DENSE TO LOOSE.	10	15	35	25	20
				N/A				-FILL					
0.0		24"	—	NONE	—	13							
		↓											
				N/A		14							
0.0		24"	—	NONE	—								
		↓				15							
						16		SAA (SM); MED DENSE.	10	15	35	25	20
						17							
				N/A									
0.0		48"	—	NONE	—	18							
		↓											
						19							
						20							
								SAA (SM); PIECES OF GRAVEL ~ 1/4"-1/2"	10	15	35	25	20
				N/A									
0.0		12"	—	NONE		21		D.A.; POTENTIAL METHD BEDROCK @ 21' BGS					
								COULD ALSO BE GRAVELLY PIECES BROKEN UP					
						22		BY DP. RIG.					
						23		TD = 21'					
								REFUSAL @ 21' ON GRAVEL EXCESS OR					
						24		POTENTIAL BEDROCK/UNCONSOLID.					
								-INITIAL NESTED PROBES 20-21, 15-16,					
						5		10-11, 5-6 @ 0915.					
						6							
						7							
						8							
						9							

MWH

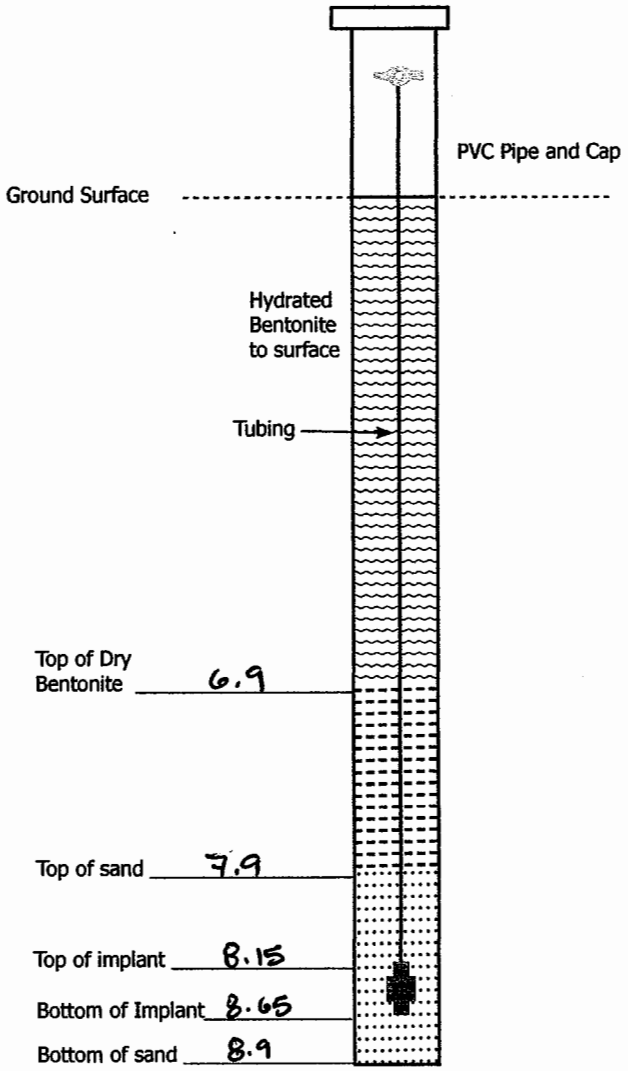
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: GSV-DG-SV5 Job #: 10503982.3050106/10503982.3060106 Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA 6 Reviewed by: Logged by: ANDREW PAYNE

Drilling Contractor: EST Rig Type/Method: GEOPROBE 5400 / D.P. Driller: MARTIN KILHOLLEN

Borehole TD: 8.9' Probe Completion Date/Time: 6/9/14 1130 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

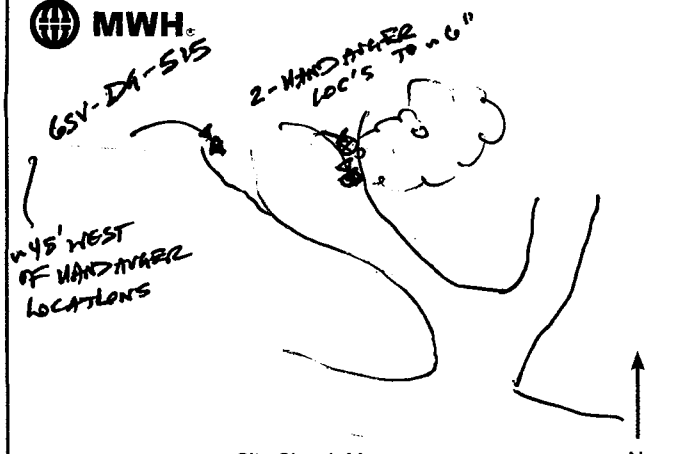
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: GSV-DG-515 Sheet 1 of 1	
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 6
Logged By: ARMING	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILLINGSWORTH
Drill Rig Type/Method: GEOPROBE 3400 / D.P.	
Sampler Type: NO SAMPLING / DUAL TUBE SYSTEM	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 8.9'
Drill Bit Type: MARO CORE	
Drill Start Time/Date: 1100 6/9/14	Drill Finish Time/Date: 1130 6/9/14
Soil Vapor ID: GSV-DG-515	Soil Boring Backfill Time/Date: N/A Backfill Material: GRAVEL (AP)
Soil Vapor Well Completion Time/Date: 1130 6/9/14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft bgs): 7.9 - 8.9 ~~7' 3/4" - 8' 3/4"~~ (AP)	Surface Completion: SOIL VAPOR PROBE
Soil Vapor Well Detail Completed (yes/no) ~~7.75 - 8.75~~ (AP)	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☒ Unknown ☐ None

Soil Description

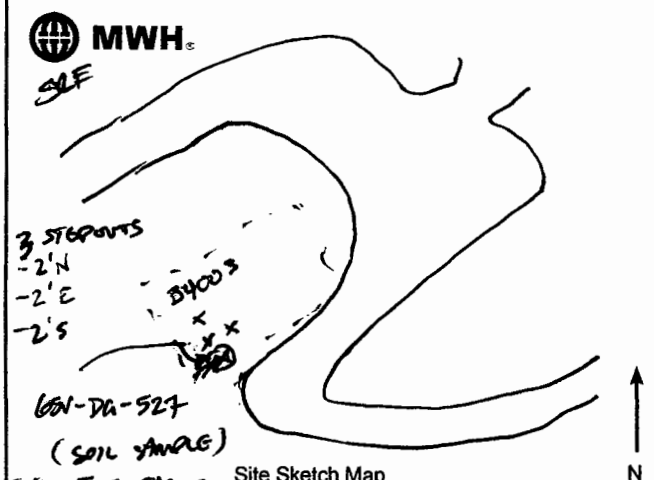
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: 3/4" GRAVEL

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0	X	~	—	N/A NONE	—	0	GP	APPROX 3" OF 3/4" GRAVEL ON SURFACE TO 3" BGS.	100	—	—	—	—
							SM		10		10	55	25
						1		SILTY SAND (SM) DRY, LOOSE, BROWN (10YR 4/3), FINE TO MED SAND, ANGD. FINE, APPROX 3" TO 8"; FILL MATERIAL; ~10% GRAVEL.					
						2							
						3		- HAND AUGER ~5' WEST OF STAKED LOC. - REFUSAL @ 8" → SRP TO NORTH ~3' - REFUSAL @ 6" W/ HAND AUGER.					
						4							
						5		- MOB. GEOPROBE TO AREA AND LOCATE SOIL VAPOR PROBE LOCATION ~45' WEST OF HAND AUGER LOCATIONS.					
						6		- ~~DIRECT~~ (AP) GEOPROBE W/ 'DUAL CORE' SYSTEM TO INSTALL PROBE; DEPTH OF REFUSAL W/ 'DUAL CORE' => 8.9' ~~8' 3/4"~~ BGS. (AP)					
						7		- INSTALL SOIL PROBE ~~7' 3/4" - 8' 3/4"~~ (AP) ~~7.75' - 8.75'~~ (AP) - NO SAMPLING 7.9'-8.9'					
						8							
						9							

QA/QC

MWH



Site Sketch Map

SVL-527-SA6-2.0-3.0

Boring ID: GSN-DG-527	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 6
Logged By: ANDREW PAYNE	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILHULEN
Drill Rig Type/Method: GEOPROBE 5400 / DP	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 3.5'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 1240 / 6/9/14	Drill Finish Time/Date: 1335 / 6/9/14
Soil Boring Backfill Time/Date: 1345 6/9/14	Backfill Material: SOIL WITH NAS
Soil Vapor ID: N/A	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: N/A	Surface Completion: N/A
Soil Vapor Probe Depths (ft.bgs): N/A	Type of Refusal: WEATHERED BEDROCK
Soil Vapor Well Detail Completed (yes/no)	☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: PEA SIZE TO 1/2" GRAVEL, GRASSES & SHRUBS	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, LOOSE, FINE & MED SAND, YELLOWISH BROWN (10YR 5/4), FILL MATERIAL; BLENDS TO SURROUNDING	—	10	30	40	20
		40"				1							
						2	ML	SANDY SILT (ML), DRY, MEDIUM STIFF, YELLOWISH BROWN (10YR5/4), NO PLASTICITY, PIECES OF CONCRETE AND CLAY PIPE, FINE TO MED SAND, ASPHALT.	5	—	10	20	65
0.0			X		1325	3		FILL MATERIAL; TRACE GRAVEL SIZE ASPHALT.					
						4	SS		—	—	10	20	70
						5		WEATHERED (SS) BEDROCK, PALE BROWN (10 YR 6/3) DRY, FINE TO MEDIUM SAND, ANGULAR, FRIABLE; WEAK.					
						6		TD = 3.5'; REFUSAL @ 3.5'					
						7		- SOIL SAMPLE @ 2.0-3.0'					
						8		- SVL-527-SA6-2.0-3.0 @ 1325					
						9							

SVL-527-SA6-2.0-3.0

MWH

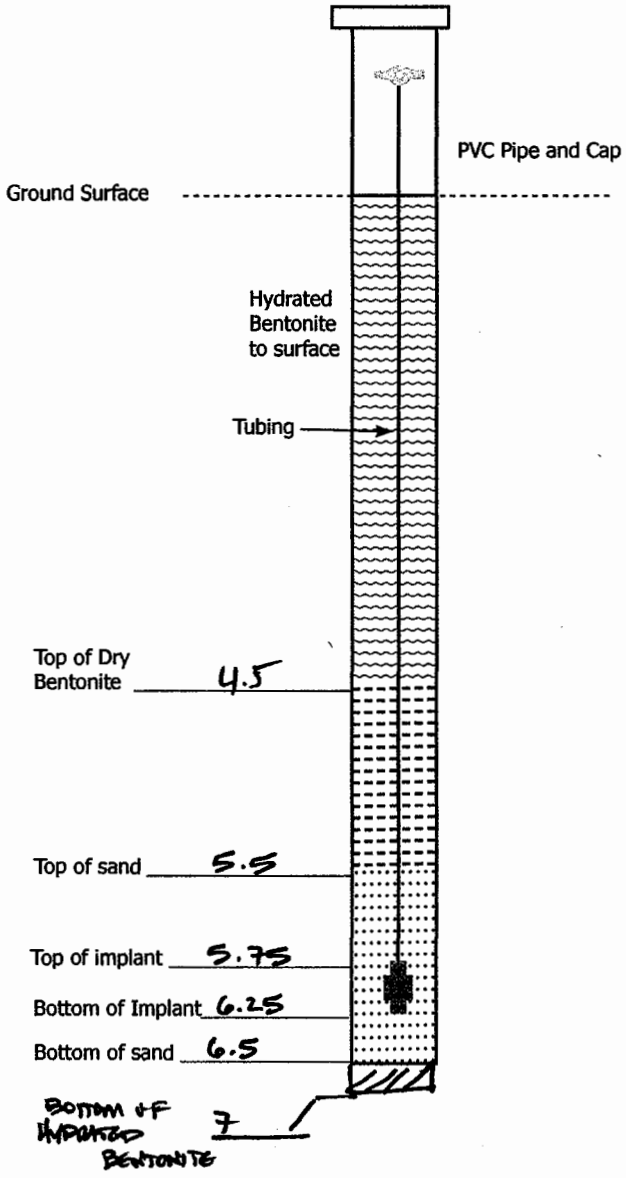
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: GSV-DG-528 | Job #: 10503982.3050106/10503982.3060106 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA 6 | Reviewed by: | Logged by: ANDREW PAYNE

Drilling Contractor: EST | Rig Type/Method: GEOPROBE 5400 / D.P. | Driller: MARTIN KILMULLEN

Borehole TD: 7' | Probe Completion Date/Time: 6/9/14 1430 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH

Boring ID: GSV-DG-528 | Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 | Site: SA 6

Logged By: ANDREW PAYNE | Reviewed By:

Drilling Contractor: | Drillers Name: MARTIN KILMNLGN

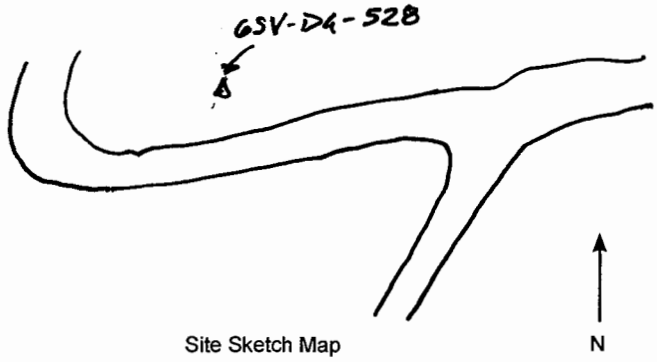
Drill Rig Type/Method: GEOPROBE 5400 / D.P.

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25" | Total Depth (ft.bgs): 7'

Drill Bit Type: MACROCORE

Drill Start Time/Date: 1400 6/9/14 | Drill Finish Time/Date: 1420/6/9/14



Site Sketch Map

Soil Boring Backfill Time/Date: N/A | Backfill Material: N/A

Soil Vapor ID: GSV-DG-528

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Well Completion Time/Date: 1430 6/9/14

Soil Vapor Probe Depths (ft.bgs): 5.5 - 6.5'

Surface Completion: SOIL VAPOR PROBE

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: SS/SH ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: GRASSES, SHRUBS	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0		SILTY SAND (SM), DRY, BROWN (10YR4/3), LOOSE, FINE TO MED SAND, SUBANGULAR TO SUBROUNDED, TRACE COARSE SAND; FILL MATERIAL; TRACE ROOTS.	—	5	25	45	25 (AP)
0.0		40"	—	N/A NONE	—	1							2 (AP)
						2							
						3							
						4	SP-SM	SAND W/ SILT (SP-SM), DRY, YELLOWISH BROWN (10YR5/4), FINE SAND; SUBANGULAR TO SUBROUNDED, NATIVE ALLUVIUM.	—	—	10	75	15
						5							
0.0		36"	—	N/A NONE	—	6		INTERBEDDED SS/SH; DRY, PALE BROWN (10YR6/3) TO BROWN (10YR5/3), FINE SAND, SATURATED, WEAK FRIABLE.	—	—	—	60	40 (AP)
						7	SS/SH						
						8		TD = 7'; REFUSAL @ 7' INSTALL SV PROBE @ 5.5-6.5 GSV-DG-528 @ 1430					
						9							

QA/QC

Surficial media boring log rev 2-25-2014

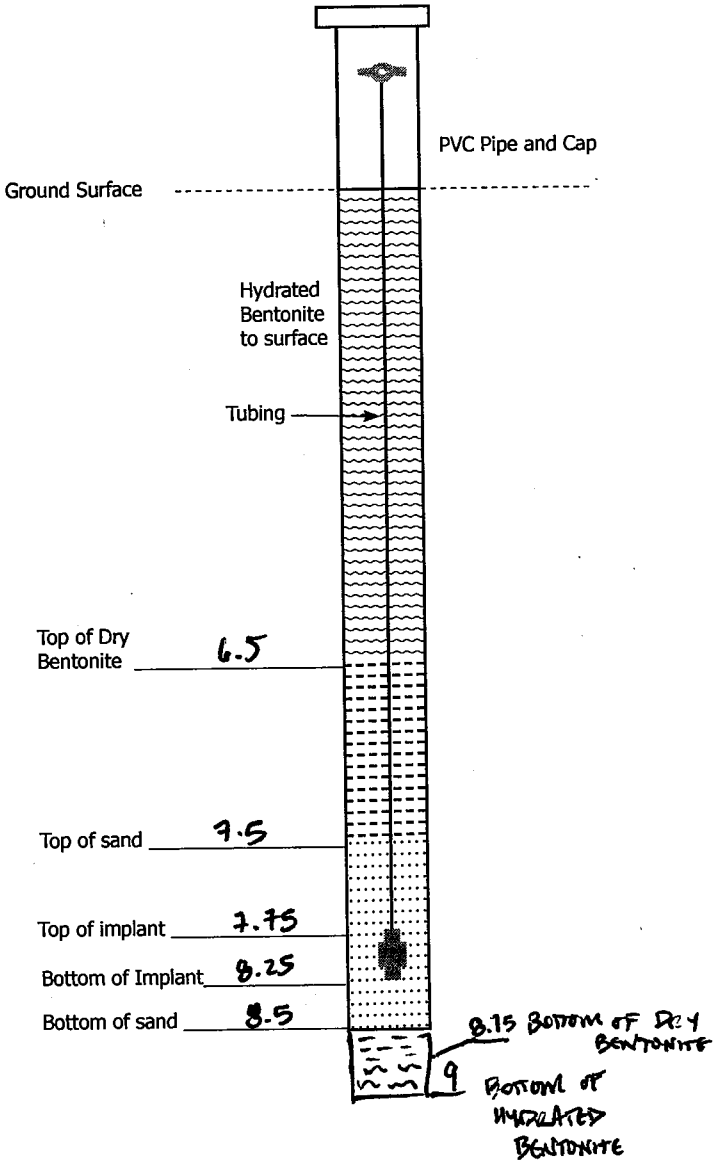
Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: GSV-DG-543
Site: SA 6
Drilling Contractor: EST
Borehole TD: 9'

Job #: 10503982.3050105/10503982.3060105
Reviewed by:
Rig Type/Method: GEOPROBE 6400 / D.P.
Probe Completion Date/Time: 6/11/14 0830

Project: Phase 3 DOE Data Gap Sampling 2014
Logged by: ANDREW PAYNE
Driller: EST - MARTIN HILHOLLEN
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: STAINLESS STEEL
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: TEFLON
Diameter: 1/4"
Color: CLEAR

Sand Pack Specs
Grain Size: #3
Manufacturer: CEMEX

Dry Bentonite
Type: #8
Manufacturer: CETCO

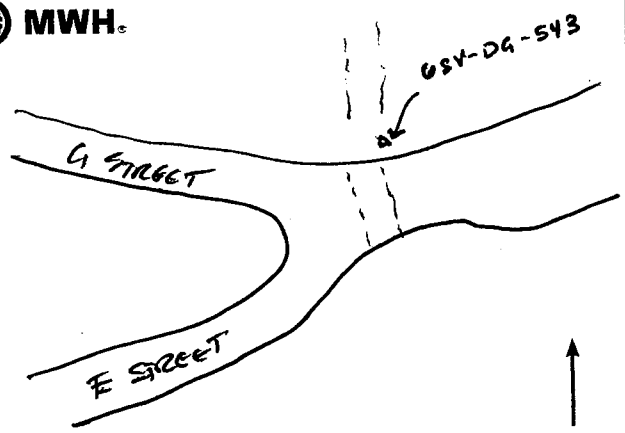
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 6SV-BG-543	Sheet 1 of 2
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 6
Logged By: ANDREW PAYNE	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILHULLEN
Drill Rig Type/Method: GEOPROBE 5400 / D.P.	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 9.0
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 0803 6/11/14	Drill Finish Time/Date: 0825 6/11/14
Soil Vapor ID: 6SV-DG-543	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 6/11/14 0830	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 7.5-8.5'	Surface Completion: SV PROBE
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: ROADSIDE, GRASSES, SOME ROAD BASE GRAVEL ½" DIA

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY TO MOIST, BROWN (10YR 4/4) TO STRONG BROWN (7.5 4/6), FILL,	5	–	35	40	20
0.0		48"	–	N/A NME	–	1–2		FINE TO MED. SAND, SA TO SR, TRACE PEA SIZE ASPHALT. FILL MAT'L; NO ODOR. LOOSE TO MED DENSE.					
						3							
						4	SM	@ 4.5' INCREASE SILT/FINES TO 25%; (SM) SILTY SAND, MOIST, FINE TO MED. SA TO SR,	–	–	35	40	25
0.0		48"	–	N/A NME	–	5–6		NATIVE; BROWN TO YELLOWISH BROWN (10YR 5/4); STRG BROWN OXIDATION (7.5YR 4/6); ALLUVIUM. LOOSE TO MED. DENSE.					
						7	SM	@ 6.5-7 INCREASE SILT/FINES TO CLAYEY FINES ~30%; NATIVE ALLUVIUM. MED DENSE.	–	–	30	40	30
						8	SP-SM	SAND W/ SILT (SP-SM), DRY TO MOIST, YELLOWISH BRN (10YR 5/4), OXIDATION; NATIVE ALLUVIUM FINE TO MED SAND; SA TO SR. LOOSE.					
0.0		12"	–	N/A NME	–	9		WEATHERED SS/SH BEDROCK, DRY TO MOIST, YELLOWISH BRN (10YR 5/4), FINE TO MED, LANG TO SR, WEAK, FRIABLE, SH IS GRAYISH BRN (10YR 5/2)	–	–	30	65	5

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Boring ID: 6SV-DA-543 Project: SV PROBE INSTALL DA AREA IV Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		12"				10		REFUSAL @ 9'					
								TD = 9'					
						11		- SV PROBE INSTALLED @ 7.5-8.5' @ 0830					
						12		- BENTONITE FROM 8.5-9' (AP)					
		REFUSAL @ 9' FROM 8-12' INTERVAL				3							
						4							
						5							
						6							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: ~~GSV-544~~ GSV-DG-544 (AP)

Site: SA 6

Drilling Contractor: EST

Borehole TD: 14'

Job #: 10503982.3050105/10503982.3060105

Reviewed by:

Rig Type/Method: GEOPROBE 5400 / D.P.

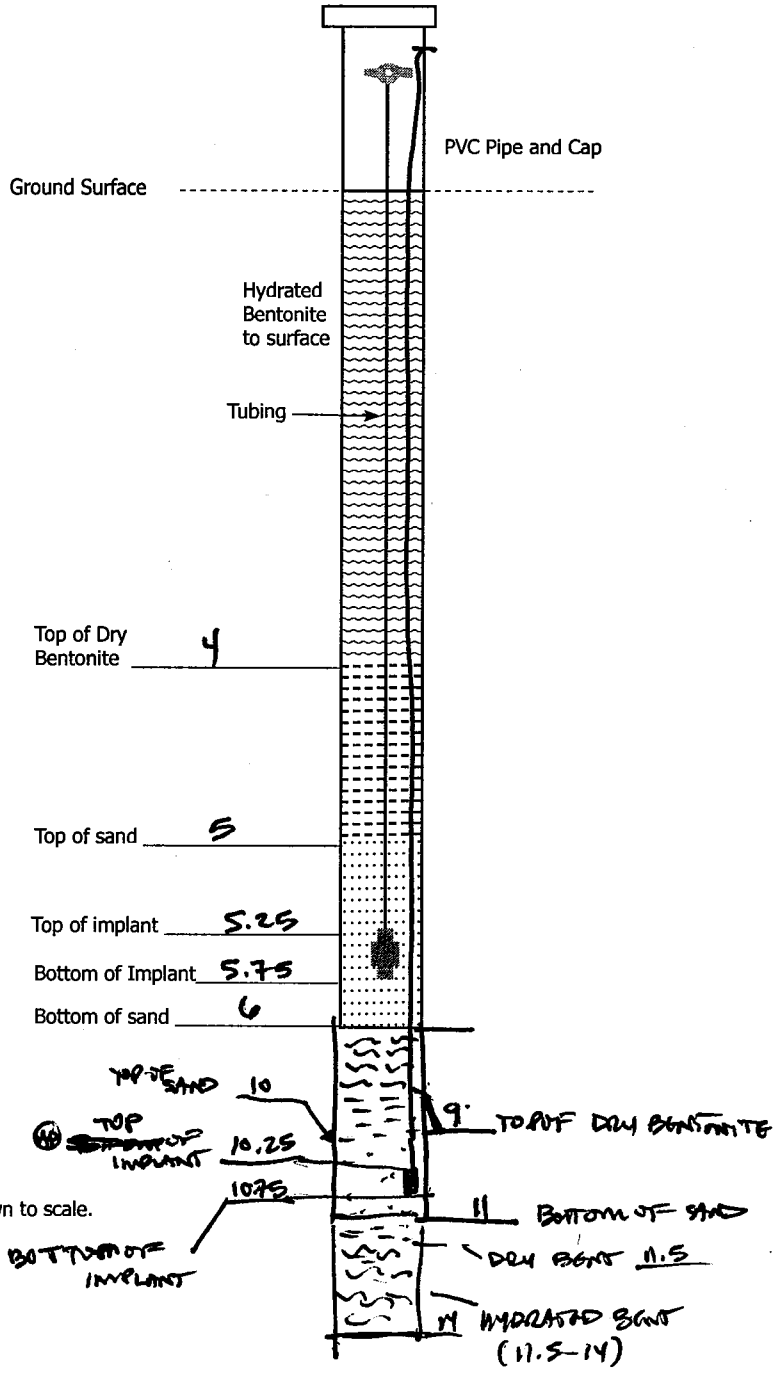
Probe Completion Date/Time: 6/10/14 0830

Project: Phase 3 DOE Data Gap Sampling 2014

Logged by: ANDREW PAYNE

Driller: MARTIN KILHULLEN

Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

Manufacturer: CETCO

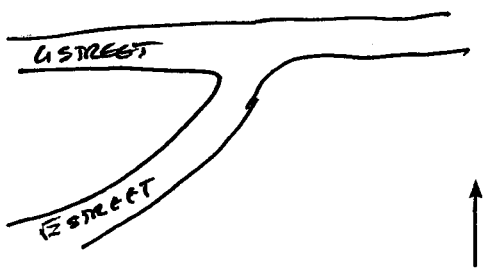
Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH

GSV-DA-544



Site Sketch Map

Boring ID: GSV-DA-544 Sheet 1 of 2	
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060108	Site: SA 6
Logged By: ANDREW DAVIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILHENNON
Drill Rig Type/Method: 5400 GEOPROBE / D.P.	
Sampler Type: MACROCORE	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 14'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 0735 6/10/14	Drill Finish Time/Date: 0820 6/10/14
Soil Vapor ID: GSV-DA-544	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 6/10/14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs):	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: SOIL VAPOR PROBE
	Type of Refusal: SS / GRAVEL ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description: GRASSES, NEAR OAK TREES IN AREA.

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description:

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, LOOSE, BROWN (10YR 4/3) TO DARK YELLOWISH BROWN (10YR 4/4), FINE TO MED SAND, SUBANG-SUBRND, TRACE COARSE SAND, ROOTS IN UPPER 2'; NATIVE SOIL/ALLUVIUM.	–	5	15	55	25
0.0		42"	–	N/A NONE	–	1							
						2							
						3							
						4							
						5	SP-SM	SAND W/ SILT (SP-SM), FINE TO MEDIUM SAND, YELLOWISH BROWN (10YR 5/4), DRY, LOOSE TO MED DENSE, SAND IS ANGULAR TO SUBROUNDED; SOME COARSE SAND.	–	10	25	50	15
0.0		48"	–	N/A NONE	–	6							
						7							
						8							
0.0		48	–	N/A NONE	–	9							

QA/QC

Boring ID: 6SV-DG-544 Project: SV PROBE INSTALLATION Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0		48"	—	N/A NONE	—	10	SP-SM	CONT SP-SM TO 10.5' BGS					
						11	SS WEATHERED	(SS) WEATHERED SS BEDROCK, FINE TO MEDIUM SAND, DRY, PALE BROWN (10YR 6/3), SOME YELLOWISH BROWN OXIDATION (10YR 5/8); FRIABLE WEAK, PULVERIZED LOOSE FROM 10.5-12; FROM 12-14 SOME PIECES OF SS ~ 1/4" DIAM.; NATIVE WEATHERED SS.	—	—	25	70	5
0.0		24"	—	N/A NONE	—	12							
						13							
						14							
						15		TD = 14'; REFUSAL @ 14' SET SV PROBES @ 5-6, 10-11; @ 0830					
						16							
						7							
						8							
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

MWH

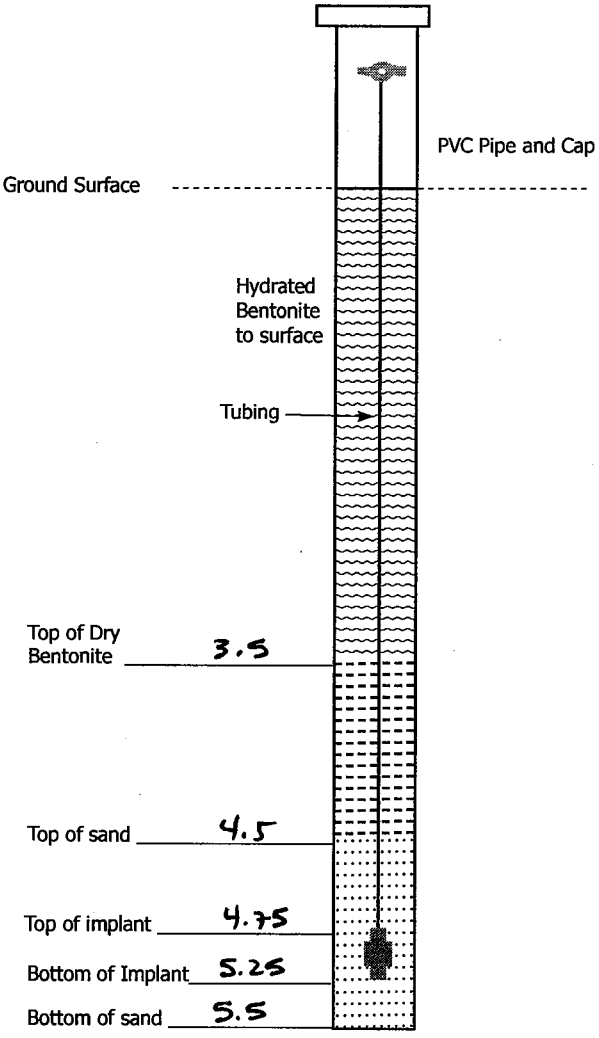
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: GSV-DG-551 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA 6 | Reviewed by: | Logged by: ANDREW PAYNE

Drilling Contractor: EST | Rig Type/Method: GEOPROBE 8400 / D.P. | Driller: MARTIN KILHULLEN

Borehole TD: 5.5' | Probe Completion Date/Time: 6/10/14 0950 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: STAINLESS STEEL

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: TEFLON

Diameter: 1/4"

Color: CLEAR

Sand Pack Specs

Grain Size: #3

Manufacturer: CEMEX

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

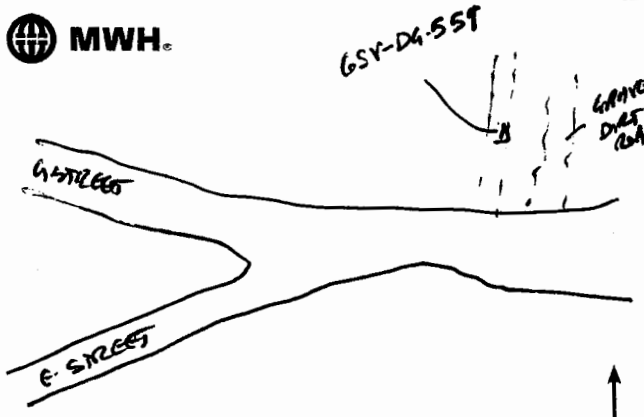
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH

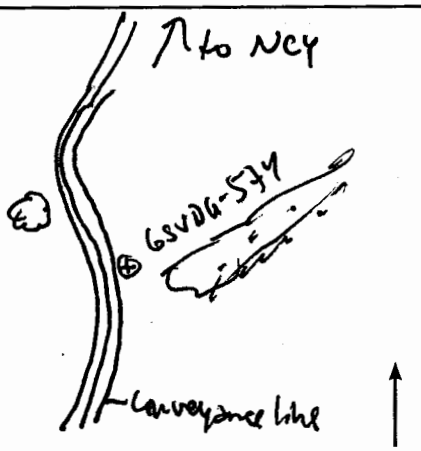


Site Sketch Map

Boring ID: GSV-DG-551	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 6A
Logged By: ANDREW PAYNE	Reviewed By:
Drilling Contractor: EST	Drillers Name: MARTIN KILLIGAN
Drill Rig Type/Method: GEOPROBE 5400 / D.P.	
Sampler Type: MACRO CORE	
Borehole Diam (inch): 2.25"	Total Depth (ft bgs): 5.5'
Drill Bit Type: MACRO CORE	
Drill Start Time/Date: 0930 6/10/14	Drill Finish Time/Date: 0945 6/10/14
Soil Vapor ID: GSV-DG-551	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 6/10/14 0950	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: SV PROBE
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	CL	CLAY W/ SAND AND GRAVEL (CL) DRY TO SLT; ROOTS	10	10	5	—	75
						1		MOIST, LT OLIVE GRAY (5Y 6/2) TO OLIVE GRAY (5Y 5/2); SOFT TO MED STIFF, LOW PLASTICITY,					
0.0		49"	—	N/A SMG		2	ML	SOME MED TO CS SAND AND PEA SIZE GRAVEL (ROAD BASE); FILL MATERIAL; TRACE OXIDATION	—	15	20	15	50
						3		SANDY SILT (ML), DRY TO SLT MOIST, BROWN (10YR 4/3) TO DARK BROWN (10YR 3/3); FINE TO CS SAND; ANGULAR TO SUBROUNDED; TRACE YELLOWISH BROWN (10YR 5/8) OXIDIZED GRAIN;					
						4							
0.0		18"	X	X	0945	5	SP-SM	MED STIFF; NO PLASTICITY; ROOTS; FILL	—	—	20	65	15
								SAND W/ SILT (SP-SM) YELLOWISH BROWN (10YR 5/4), LOOSE; DRY, FINE-SIZE MEDIUM SAND, SUBANGULAR TO SUBROUNDED, NATIVE ALLUVIUM;					
				SVL-551-SA6-SB-4.0-5.0 @0945		6		TD = 5.5', REFUSAL @ 5.5'					
						7		- COLLECT SOIL SAMPLE @ 4.0-5.0 SVL-551-SA6-SB-4.0-5.0 @0945					
						8		- COMPLETE/INSTALL SV PROBE FROM 4.5-5.5'.					
						9							

MWH.



Site Sketch Map

Boring ID: 6SV DG-574	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 6
Logged By: RB Ellis	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: HAND AUGER	
Sampler Type: BUCKET AUGER / GRAB	
Borehole Diam (inch): 3.5"	Total Depth (ft.bgs): 4.3'
Drill Bit Type: BUCKET AUGER	
Drill Start Time/Date: 09 JUN 14 14:30	Drill Finish Time/Date: 09 JUN 14 14:38
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 09 JUN 14 15:06 Backfill Material: soil cuttings
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: NONE
Soil Vapor Well Detail Completed (yes/no): N/A	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description will go at ...

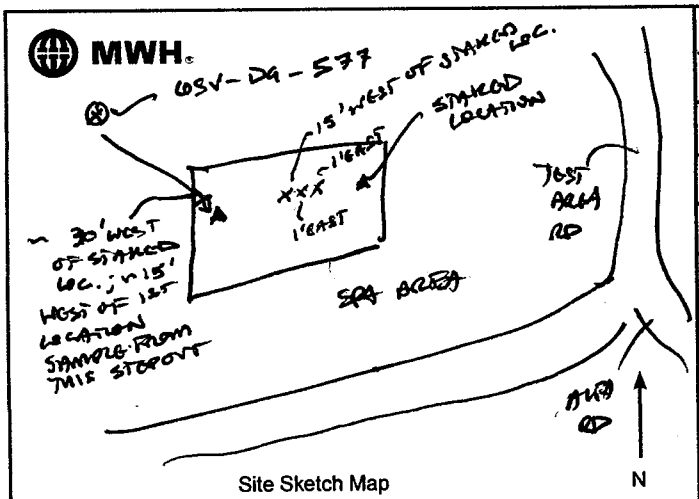
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: side slope next to road.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		51"				0	SP-SM	Poorly graded sand with silt (SP-SM), 1 Brown (10YR 4/3) transitions to dark yellowish brown (10YR 4/6). Loose dry. Mostly fine sand (70) ~~Some~~ little silt (25) w/ few med. sand (5). No stain no odor. Fill to 3.5', then Native 3.5-4.3' bgs at color change.	—	—	5	70	25
			3.8 / 4.3			4							
						TD = 4.3'							
SVL-574-SA6-SB-3.8-4.3 @ 14:48						5							
10 µRem, 18 cpm 9.7 ppm.						6		Stepped at (N) + (S) w/ refusal at same.					
						7		TD = 4.3' bgs w/ refusal on sandstone bedrock.					
						8							
						9		Backfilled at 15:06 w/ soil cuttings.					

QA/QC
Sur icial media boring log rev 2-25-2014

MWH



Site Sketch Map

Boring ID: GSV-DG-577	Sheet 1	of 1	
Project: Phase 3 DOE Data Gap Sampling 2014			
Job #: 10503982.3050106 / 10503982.3060106	Site: ~~SA~~ ~~SA~~ SA C		
Logged By: MORGAN DAVIS	Reviewed By:		
Drilling Contractor: EST	Drillers Name: MARTIN KILLEVLEN		
Drill Rig Type/Method: GEOPROBE 5400 / DP			
Sampler Type: MACROCORE			
Borehole Diam (inch): 2.25"	Total Depth (ft bgs):	3'	
Drill Bit Type: MACROCORE			
Drill Start Time/Date: 1030 6/11/14	Drill Finish Time/Date: 1140 6/11/14		
Soil Vapor ID: ~~G~~ (NA) N/A	Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A	
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: SOIL VAPOR PROBE		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	SILTY SAND (SM), DRY, BROWN (10YR 4/4), LOOSE, FINE TO MED SAND, SA TO SR, ROOTS; FILL MATERIAL; TRACE COARSE SAND	—	5	30	45	20
						1	SM	SILTY SAND (SM) SL. MOIST, DARK YELLOWISH BROWN (10YR 3/4), FINE TO MED. SAND SR TO SBRNDED, TRACE COARSE SAND, NATIVE ALLUVIUM, MICA	—	5	30	40	25
0.0		36"	X		1145	2	SS/SM	WEATHERED SS AND SHALE (SC/SM); LIGHT YELLOWISH BROWN (10YR 6/4) TO PALE BROWN (10YR 6/3), FINE SAND, SR TO SR, WEAK, FRIABLE, SHALE IS GRAYISH BROWN (10YR 5/2); BEDROCK/WEATHERED	—	—	~~35~~ 25 (NP)	65	10
						3		- 1ST LOCATION N 15' WEST OF STAKED LOCATION TD/REFUSAL @ 2'; 2 STEPOUTS N 1' EAST OF PRIMARY LOCATION ALSO REFUSED @ 2';					
						4		4TH LOCATION N 30' WEST OF STAKED LOCATION AND 15' FROM PRIMARY LOCATION TD/REFUSED @ 3', SOIL SAMPLE COLLECTED					
						5		@ 1-2.0' @ 1145; SVL-577-SA6-SB-1.0-2.0					
						6		(1-4oz JAR 2 ENCORES)					
						7		14 MEM, 40 CPM, 0.0 PPM					
						8							
						9							
	SVL-577-SA6-SB-1.0-2.0 @ 1145												

QA/QC

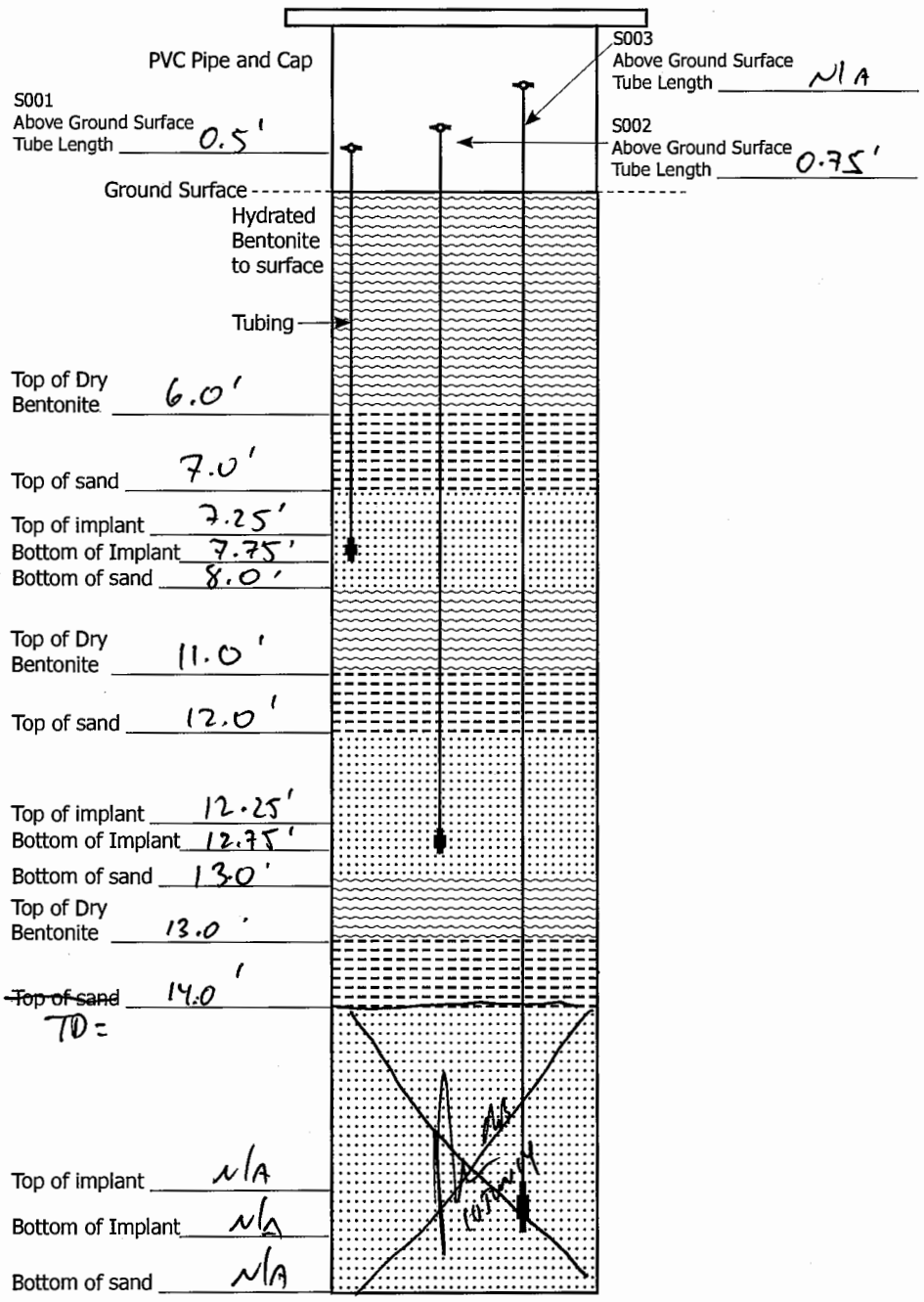
Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 7SV_DG-503 | Project: Phase 3 DOE SVMA 2014 | Job #: 10503982.3050105

Site: 7 | Logged by: RUSSELLS | Reviewed by:

Drilling Contractor: EST | Driller: MORGAN | Rig Type/Method: Geoprobe 5400

Borehole TD: 14.0' bgs | Borehole Diameter: 2.25" | Probe Completion Date/Time: 10JUN14. shallow 09:30, deep 09:35



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

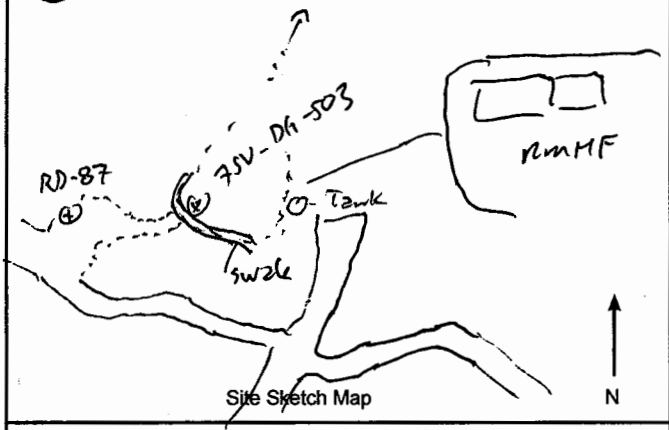
Manufacturer: Cetco

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH.



Site Sketch Map

Boring ID: 7SV-DG-503	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 7
Logged By: ROBELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: Geoprobe 5400	
Sampler Type: MACROCORE	
Borehole Diam (inch) 2.25'	Total Depth (ft.bgs) 14.0'
Drill Bit Type: MACROCORE	
Drill Start Time/Date: 08:20 10 JUN 14	Drill Finish Time/Date: 09:07 10 JUN 14
Soil Vapor ID: 7SV_DG-503	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 10 JUN 14, 7-8 09:00, 12-13 09:35	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0', 12.0-13.0'	Surface Completion: SV probe
Soil Vapor Well Detail Completed (yes/no) attached.	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description verba santa, coyote bush.

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: (E) edge of concrete swale

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
0.0 ppm		48"				0	GW	0.0-0.9 Well graded gravel (GW), white (10YR 8/1). Loose, dry. Some coarse sand, little gravel, medium/fine sand (20% each). Few silt (10). No stain, no odor, fill. under concrete swale; + gravel bag remnant.	20	30	20	20	10
0.0 ppm		40"				4	SP-SM	0.9-9.5 Poorly sorted sand with silt (SP-SM) light yellowish brown (10YR 6/4). Loose, dry. Mostly fine sand (75), little silt (20), few medium sand (5), trace coarse sand. No stain, no odor. Disturbed native soil as fill.	-	TR	5	75	20
0.0 ppm		48"				8	SM	9.5-10.2 Silty sand (SM). dark yellowish brown (10YR 3/4). Very loose, dry. Mostly fine (60), little silt (30), few medium (10). No stain, no odor. Native soil.	-	-	10	60	30

QA/QC
Surficial media boring log rev 2-25-2014

Boring ID: 7SV-DH-503 Project: Phase 3 DOE SVDG 2014 Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10	SM	10.2 – 14.0					
						11	SP	Poorly graded sand (SP) dark yellowish brown (10YR 4/4), loose, dry. Mostly fine sand (70), little medium (15), few silt (10), few coarse, No stain, no odor. Native	–	5	15	70	10
		24"				12							
						13		– Shale bed ≈ 2.5" thick at 13.2' bgs; weathered bedrock at 13.4' bgs to TD.					
						TD 14							
						5		TD = 14.0' w/ refusal on bedrock sandstone.					
						6							
						7		2 probes set.					
						8		Moved stake approximately 30–40' WNW of staked location, along swale on west side of basin.					
						9							
						0							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

Single Soil Vapor Probe Construction Diagram

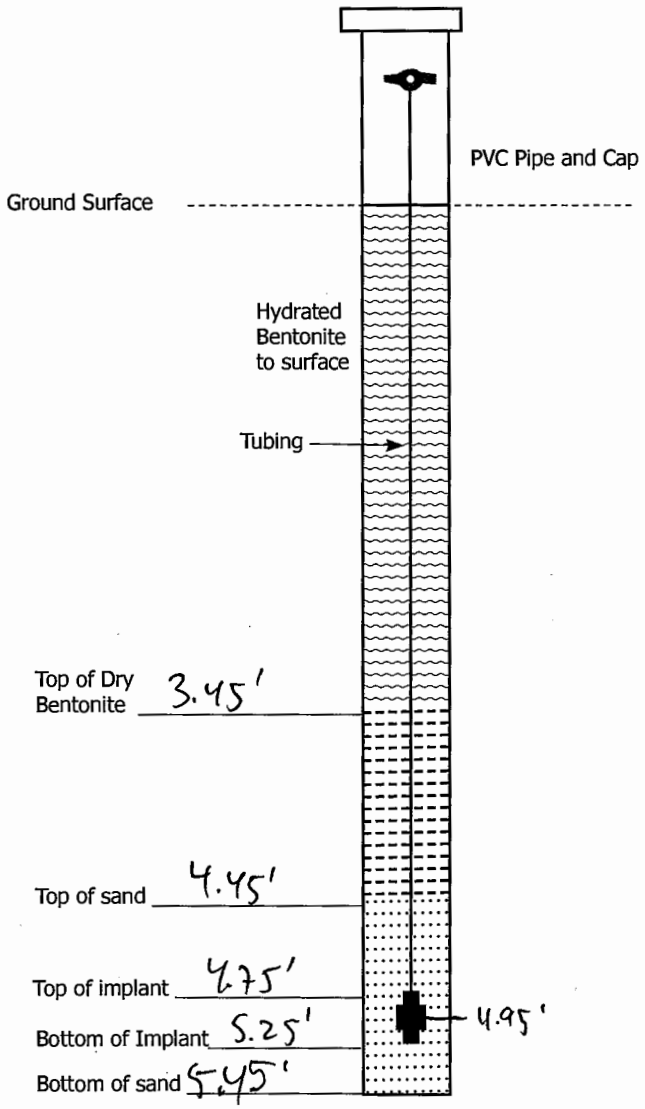
MWH

Probe ID/Soil ID: SSV_DH-502 Job #: 10503982.3050105/10503982.3060105 Project: Phase 3 DOE Data Gap Sampling 20

Site: 8 Reviewed by: Logged by: Rob Lucas

Drilling Contractor: EST Rig Type/Method: Geoprobe 5400 Driller: Morgan Hughes

Borehole TD: 5.45' bgs Probe Completion Date/Time: 12JUN14, 1200 Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 Sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

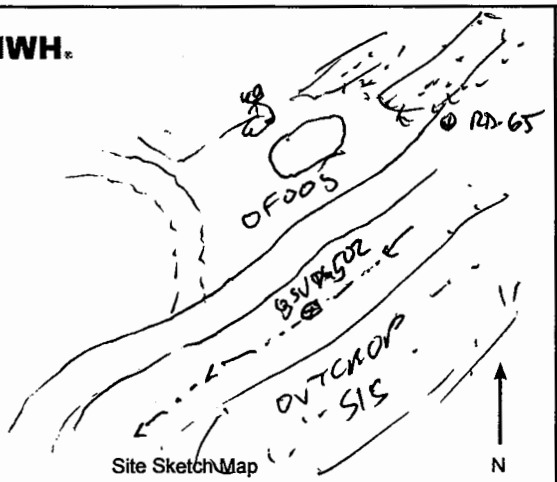
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV_DG-502 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 8

Logged By: RM Ellis Reviewed By:

Drilling Contractor: EST Drillers Name: MORGAN HUGHES

Drill Rig Type/Method: ~~HSA~~ MACROCORE Geoprobe 54DO

Sampler Type: MACROCORE

Borehole Diam (inch): 2.25" Total Depth (ft.bgs): 5.45'

Drill Bit Type: MACROCORE

Drill Start Time/Date: 12 Jun 14 11:20 Drill Finish Time/Date: 12 Jun 14 11:25

Soil Vapor ID: SSV_DG-502

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 12 Jun 14; 12:00

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 4.45' – 5.45'

Surface Completion: SV Probe

Soil Vapor Well Detail Completed (yes/no) attached

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description mustard, mild odor

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: thelmes clayey sand

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
		32"				0	SM SC	Silty sand (SM) - Silty clay (SC) - Yellowish brown (10YR 5/4) with yellowish brown oxide mottled stains (10YR 5/6). Mostly fine sand and clay (silt); moist, non plastic, low to high medium dry strength, slow dilatancy, No stain, no odor. Fill.	–	–	10	50/55	40-45
		23"				4							
						5		TD = 5.45' w/ refusal on sandstone bedrock					
						6							
						7							
						8							
						9							

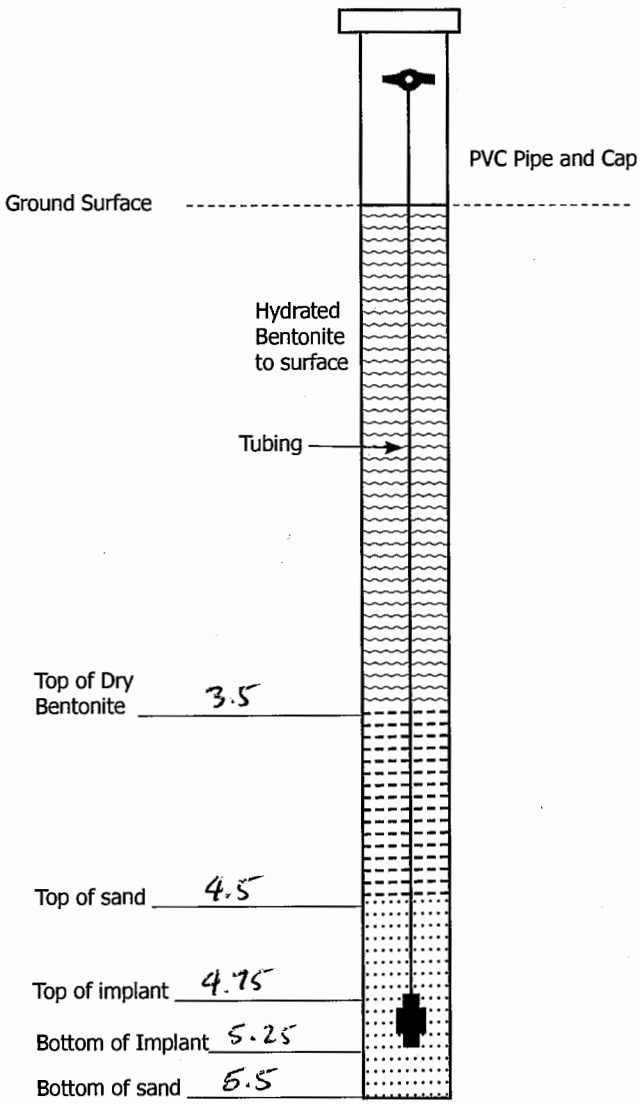
QA/QC

Surficial media boring log rev 2-25-2014

Single Soil Vapor Probe Construction Diagram

MWH

Probe ID/Soil ID: SSV-DG-503
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 201
Site: SA 8
Reviewed by:
Logged by: V. Vathanasin
Drilling Contractor: ESD
Rig Type/Method: Geoprobe 5400 / DP
Driller: Morgan Hughes
Borehole TD: 5.5
Probe Completion Date/Time: 0841 / 5-20-14
Borehole Diameter: 2.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Carnes

Dry Bentonite
Type: #8
Manufacturer: Cetco

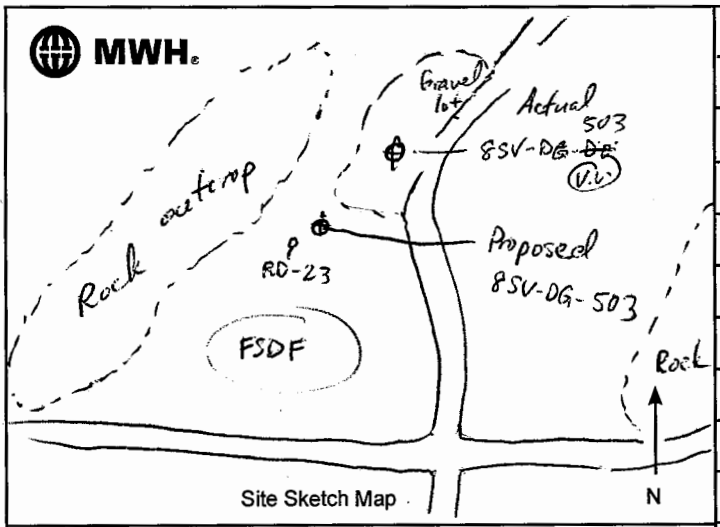
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-503	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 5.5
Drill Bit Type: Macro core	
Drill Start Time/Date: 0748 / 5-20-14	Drill Finish Time/Date: 0815 / 5-20-14
Soil Vapor ID: SSV-DG-503	Soil Boring Backfill Time/Date: / Backfill Material:
Soil Vapor Well Completion Time/Date: 0841 / 5-20-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 4.5 - 5.5	Surface Completion: Soil Vapor Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None

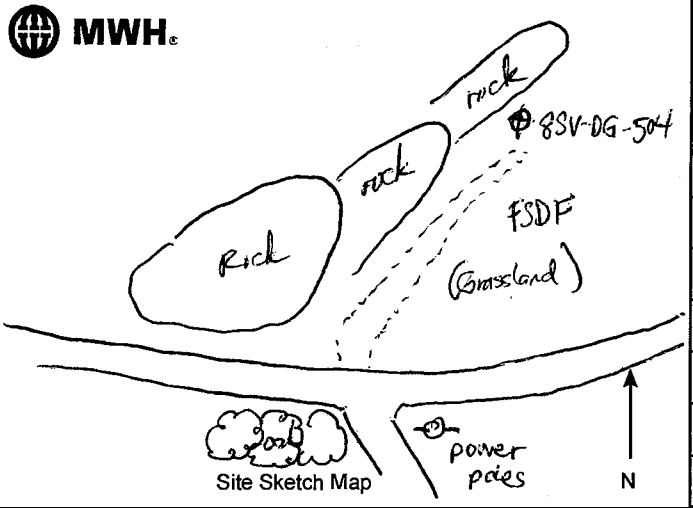
Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: ~~Grass, near RD-23 well cluster~~ Gravel (V.V.)

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0						0	SM	* Location moved 60' NE Silty Sand (SM), very pale brown (10YR 7/4), loose, dry, fine sand, non-plastic silt, no stains, no odors, fill.	-	-	-	60	40/
		48"	NONE			1							
						2	ML	Silt w/ Sand (ML), dark yellowish brown (10YR 4/4), stiff, slightly moist, low plasticity silt, fine sand	-	-	-	15	85/
						3							
0.0						4	SM	Silty Sand (SM), yellowish brown (10YR 5/4), fine sand, silt, med dense, hint of moisture, fill	-	-	-	65	35
		15"	NONE			5							
0.1							SP		-	-	-	100	TR
						6		Poorly Graded Sand (SP), light yellowish brown (10YR 6/4), loose, dry, fine sand, trace silt, native soil, no stains or odors.					
						7							
						8		@5.5': Sandstone, weathered.					
						9		TD = 5.5', refusal on bedrock. Installed vapor probe at 4.5 - 5.5'. Backfill original boring with cuttings					

V.V. 8SV

MWH



Site Sketch Map

Boring ID: ~~8SV~~-DG-504	Sheet 1	of 1	
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014			
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8		
Logged By: V. Vathanasin	Reviewed By:		
Drilling Contractor: EST	Drillers Name: Morgan Hughes		
Drill Rig Type/Method: Geoprobe 5400 / DP			
Sampler Type: Macrocore			
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs):	3.0	
Drill Bit Type: Macrocore			
Drill Start Time/Date: 0940/5-16-14	Drill Finish Time/Date: 10:00/5-16-14		
Soil Vapor ID: N/A	Soil Boring Backfill Time/Date: 10:00/5-16-14	Backfill Material: Soil cuttings.	
Soil Vapor Well Completion Time/Date: N/A	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None		
Soil Vapor Probe Depths (ft.bgs): N/A	Surface Completion: Backfill w/ cuttings.		
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None		

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: Grass.	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X					0	ML	Silt w/ fine sand (ML), grayish brown (10YR 5/2), med. stiff, dry, low plasticity silt, fine sand, no stains or odors, fill.				10	90/
		30"				1							
			X		10:00	2							
							BR	@ Bedrock - Sandstone, weathered chats-worth fm					
SVL-504-SA8-				SB-	20-25	3							
						4		TD = 3.0 ft, refusal on bedrock, no vapor probe installed, collect encores + jar at 20-25					
						5							
						6							
						7							
						8							
						9							

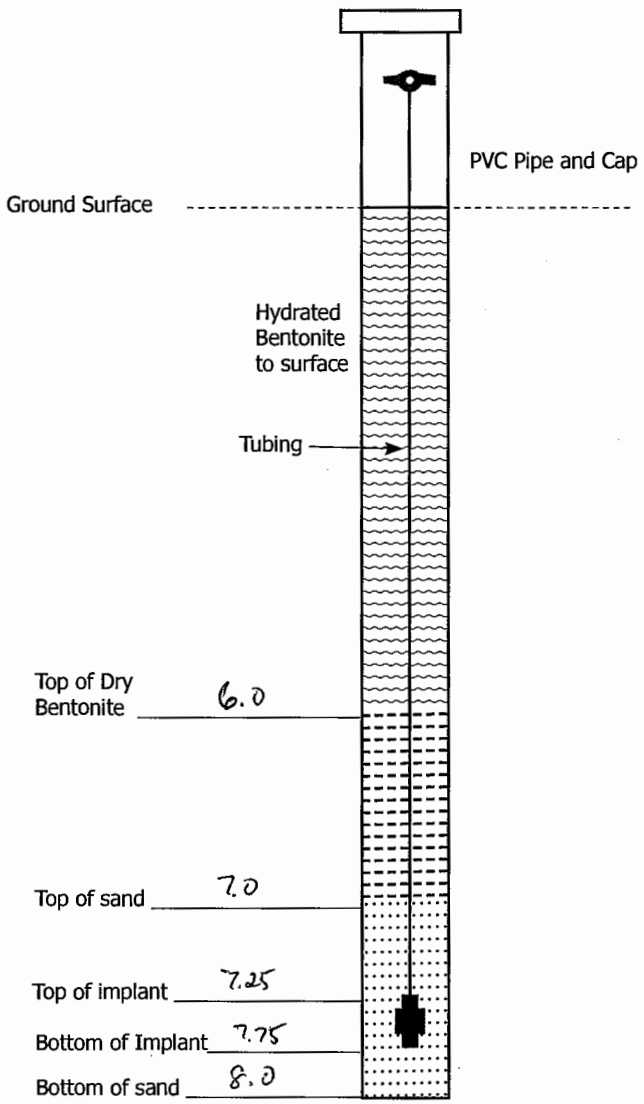
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-506 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA8 | Reviewed by: | Logged by: Van Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 8.0 | Probe Completion Date/Time: 0930/5-16-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

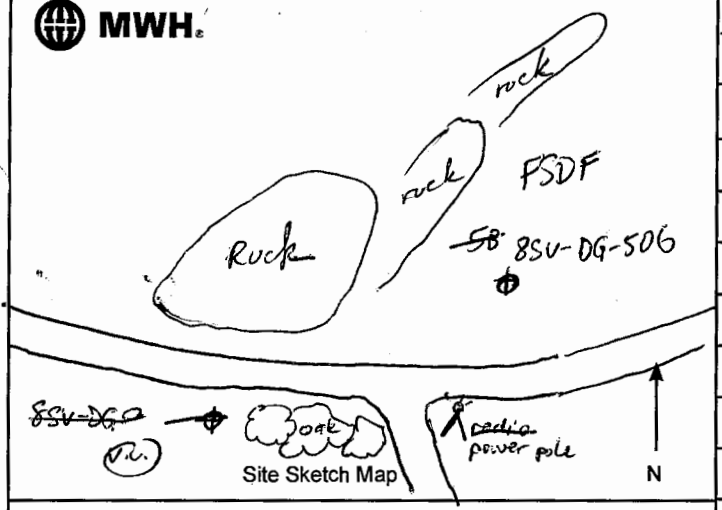
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH.



Site Sketch Map

Boring ID: 8SV-DG ~~515~~ 506 (V.V.)	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: Subarea 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch) 2.25"	Total Depth (ft.bgs) 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0845/5-16-14	Drill Finish Time/Date: 0916 /5-16-14
Soil Vapor ID: 8SV-DG-506	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date:	Observations: ☐ Debris ☒ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	Surface Completion: Soil Vapor Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None

Soil Description

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Veg Cleared, ~4' NW of EPA #58

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
						0	SM	Silty sand (SM), light yellowish brown (10YR 6/4), med. dense, dry, fine sand, non-plastic silt, no stains or odors, fill	-	-	-	60	40
		48"	NONE			1	ML	Clayey Silt (ML), light yellowish brown (10YR 6/4), med. stiff, dry, low plasticity clay and silt, "platy" structure, slight brownish yellow staining (10YR 6/8), no odor, fill	-	-	-	-	65/35
0.0						2							
						3							
						4							
		48"	NONE			5							
						6							
						7							
0.0						8	Br	@ grades to med-plasticity clay. Shale Bedrock, hard, fissile inter-bedded sandstone and shale.					
						9		TD=8.0 ft. refusal on bedrock, install vapor probe at 7.0-8.0. May encounter low flow when collecting sample.					

QA/QC
Sur icial media boring log rev 2-25-2014

Single Soil Vapor Probe Construction Diagram

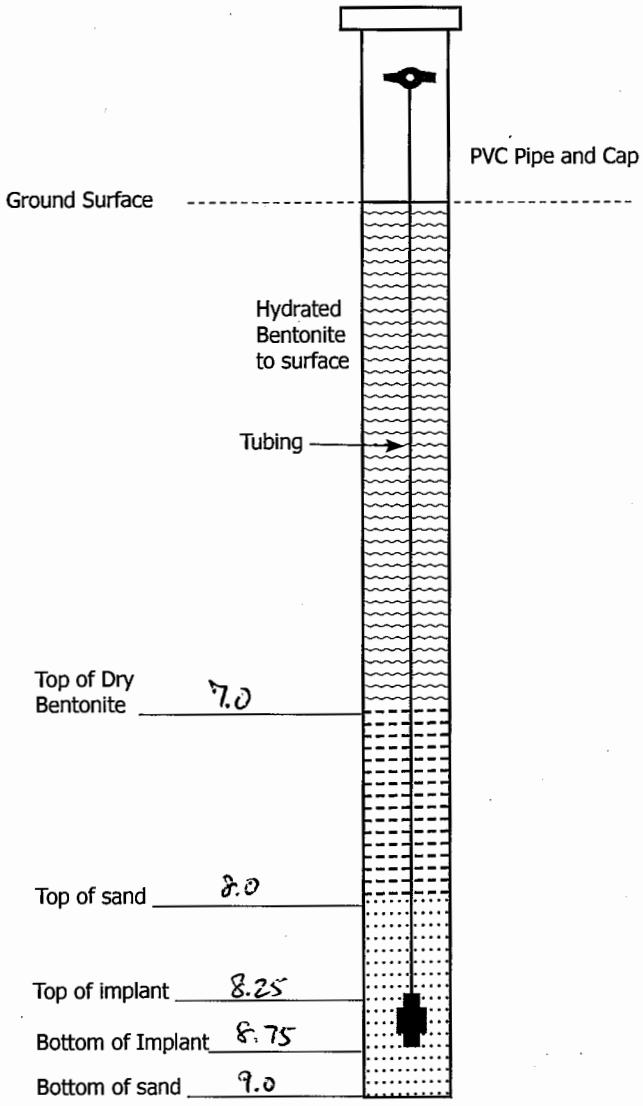
MWH

Probe ID/Soil ID: SSV-DG-S12 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA 8 | Reviewed by: | Logged by: Van Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 9.0 | Probe Completion Date/Time: 1110 / 5-19-2014 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

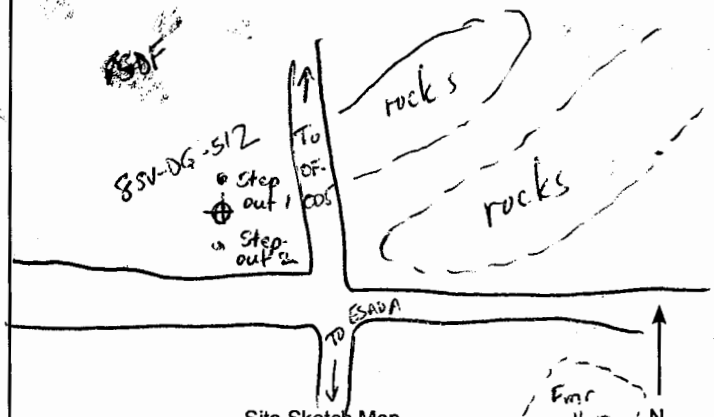
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Boring ID: SSV-DG512	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 9.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0940 / 5-19-14	Drill Finish Time/Date: 1045 / 5-19-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: SSV-DG-512	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Well Completion Time/Date: 1110/ 5-19-2014	Surface Completion: Soil vapor probe
Soil Vapor Probe Depths (ft.bgs): 8.0-9.0	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Surface Description: Mustard Silt w/ sand (ML), brown (10YR 5/3), med. stiff, dry, non-plastic silt, fine sand, few roots, fill, no odors or stains.	—	—	—	15	85
		36"		NONE	—	1							
						2		color changes to light yellowish brown (10YR 6/4)					
0.4						3							
				NONE	—	4		* Note: TD = 9.0 ft, refusal on Sandstone (bedrock), install vapor probe at 8.0-9.0 bgs. Stepped out twice to avoid asphalt debris. Install probe in southernmost boring					
		48"				5							
						6							
						7		@9' Sandstone, weathered.					
0.5						8							
		12"		NONE				@8.2' Asphalt (Stepped out twice to avoid debris. No asphalt ~~8~~ 4' south)	—	—	—	85	15
						9	SP-SM						
			V.V.				Br	@8.5' Poorly graded Sand w/ Silt (SP-SM), yellow (10YR 7/6), loose, dry, fine sand, non-plastic ~~silt~~ silt.					

QA/QC

Single Soil Vapor Probe Construction Diagram

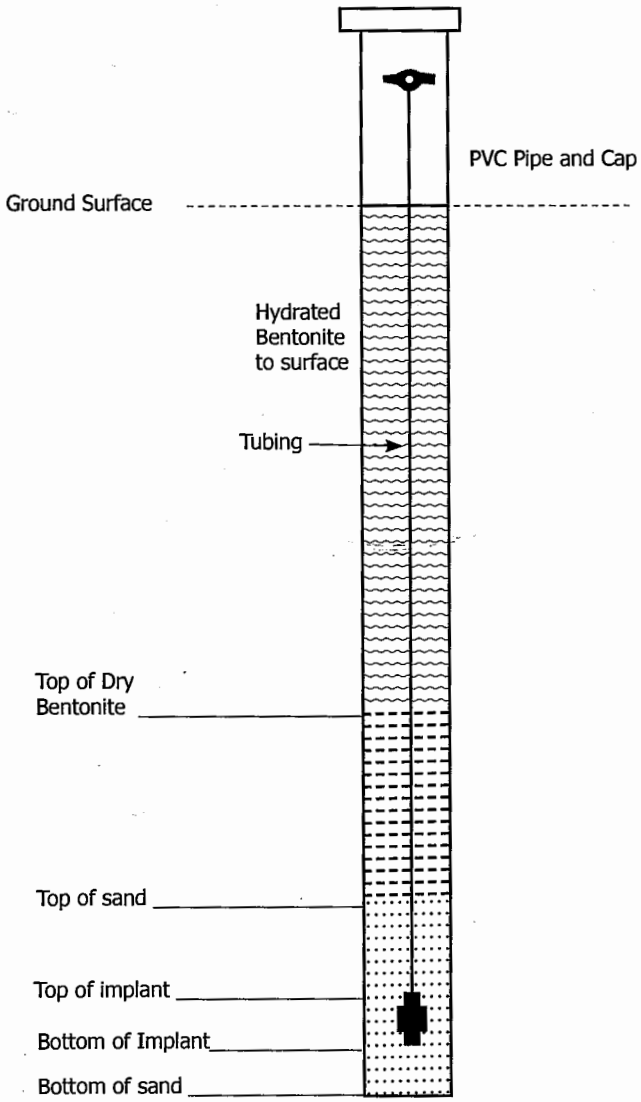
MWH

Probe ID/Soil ID: SSV-DG-S15 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA8 | Reviewed by: | Logged by: V.Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400/DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 0830/5-16-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

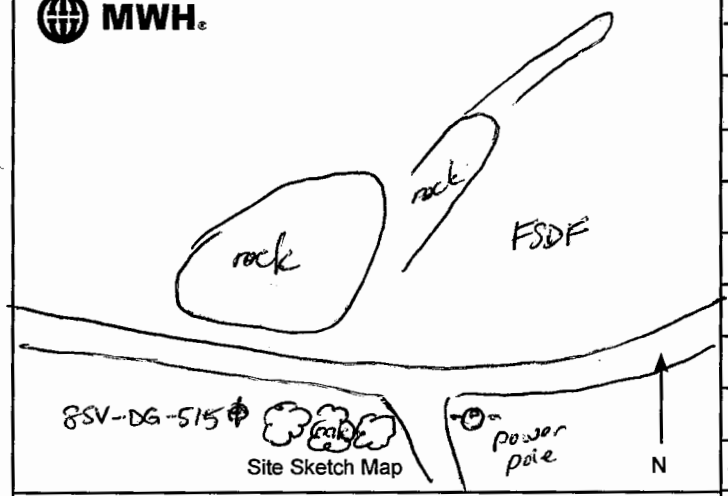
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-515	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: Subarea 8
Logged By: V. Vathanaoun	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0
Drill Bit Type: Macrocore (V.V.)	
Drill Start Time/Date: 5-16-14 / 0745	Drill Finish Time/Date: ~~08~~ 0812 / 5-16-14
Soil Vapor ID: SSV-DG-515	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 0830 / 5-16-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 6.0-7.0 ft	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil Vapor probe
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

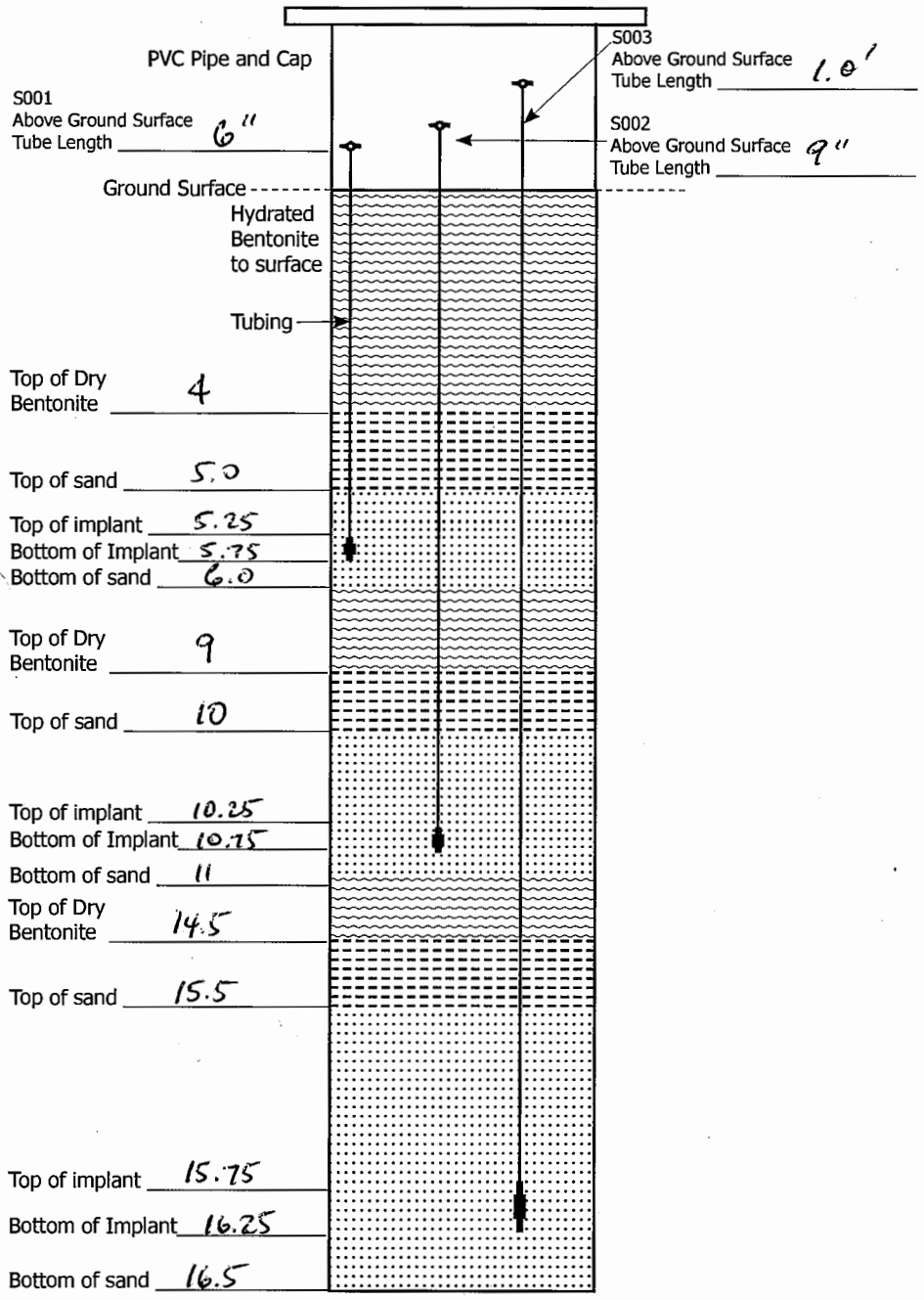
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations) Surface Description: Grass	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Silt w/ sand (ML), brownish yellow (10YR 6/6), loose, dry, non-plastic silt, no odors or stain, fill fine sand	-	-	-	~~2~~ 10 (V.F.)	~~100~~ 90
		48"	None			1							
						2							
0.0						3							
						4							
		16"				5		@4.5 - color changes to yellow (10YR 7/6), platy ~~tab~~ texture, some white (10YR 8/1) patches.					
		18"	None			6							
0.0						7	Br	Sandstone, weathered, Chatsworth Fm.					
						8		TD=7.0', Refusal on sandstone bedrock, install vapor probe 6.0-7.0 ft. bgs. Possible low flow due to silt content					
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-S17
Site: SA 8
Drilling Contractor: EST
Borehole TD: 16.5

Project: Phase 3 DOT SV
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25

Job #: 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 0925/5-19-2014



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

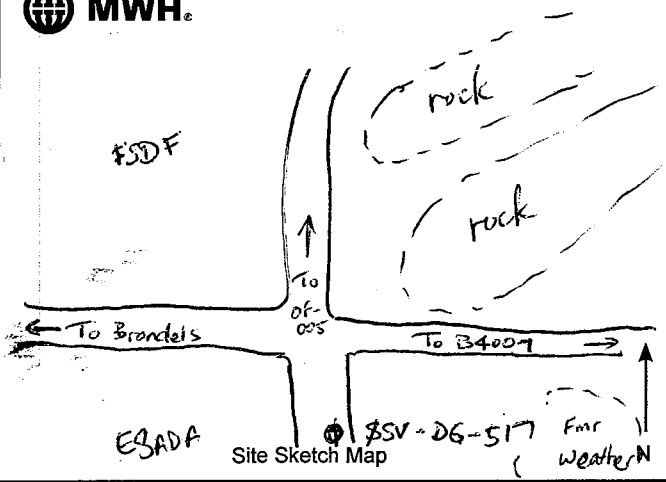
Dry Bentonite
Type: #8
Manufacturer: Cetco

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: SSV-DG-517	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vatharoin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 16.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0805 / 5-19-2014	Drill Finish Time/Date: 0840 / 5-19-2014
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Soil Vapor ID: SSV-DG-517	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Completion Time/Date: 0925 / 5-19-2014	Surface Completion: Soil Vapor Probe
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 10.0-11.0, ~~15.5~~ 16.5 (V.V.)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Silt w/ Sand (ML), yellowish brown (10YR 5/4), med ~~stiff~~ (V.V.), dry, low plastic ~~silty~~ silt, fine sand, grass roots, no staining, no odors, graded fill	-	-	-	10	90
		45"				1							
						2							
						3	CL	Silty Clay (CL), yellowish brown (10YR 5/4), stiff, dry, silt + clay, med. plasticity, native	-	-	-	-	100
0.1						4		@ 4' odor changes to brownish yellow (10YR 6/6)					
			X		0900	5							
		48"				5.0-6.0							
				SSV-517-SA8-5B'		6							
		SSV-517				7							
0.6						8							
						9							

Cont next page

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Vegetated road.

Boring ID: SSV-DG-517 Project: DOE Phase 3 SV DG Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
			X		0905	0		1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations					
						1							
0.1		SV-517-SA8-SB-10-11'				2							
						3		@ grades to med. stiff, color changes to very pale brown (10YR 7/4); brownish yellow (10YR 6/8) iron staining.					
		48"				4							
						5							
			X		0910	6							
0.5	X	6"				6.5	BR	Weathered sandstone, looks like ~~silty~~ (SW) silty sand	-	-	10	50	40
				SV-517-SA8-SB-15.5-16.5'		7							
						8		TD = 16.5', refusal on bedrock. Install vapor probes at 5.0'-6.0', 10'-11', 15.5'-16.5'; also collect encores at each respective depths due to possible low flow condition.					
						9							
						10							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							
						20							

Single Soil Vapor Probe Construction Diagram

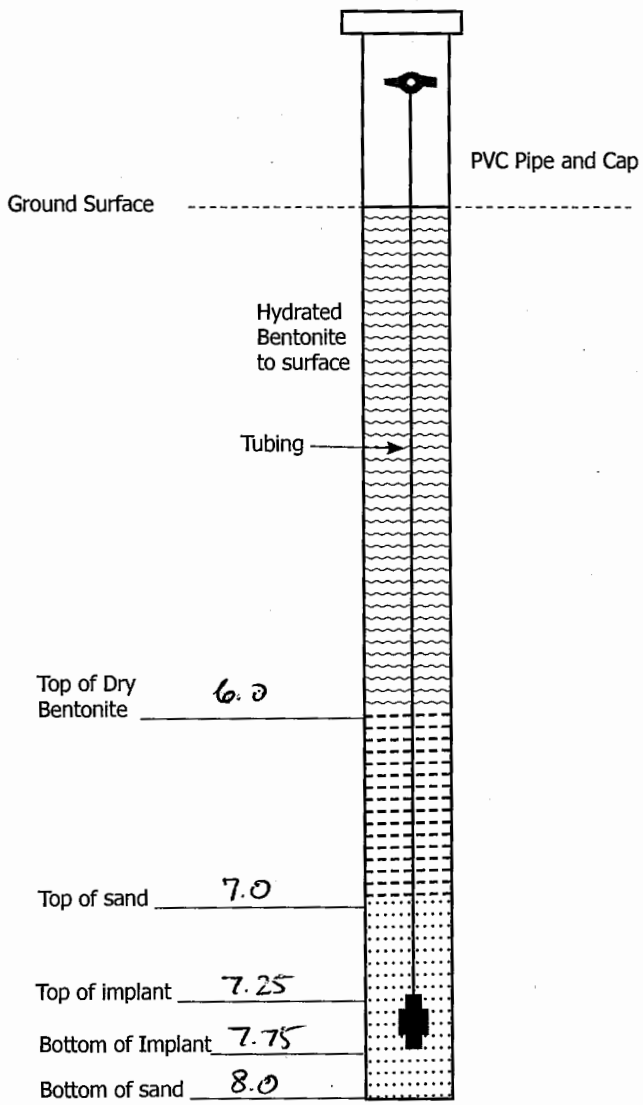
MWH

Probe ID/Soil ID: SSV-DG-519 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: SA 8 | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 8.0 | Probe Completion Date/Time: 1157 / 5-16-14 | Borehole Diameter: 2.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

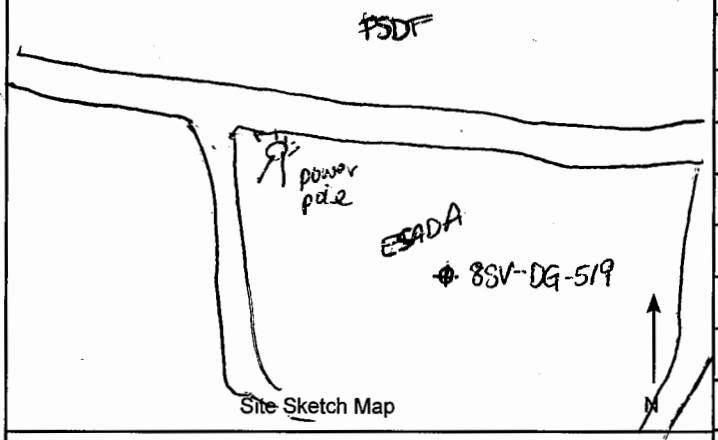
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-519	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V.Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 8.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1100 / 5-16-14	Drill Finish Time/Date: 1142 / 5-16-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: Soil vapor probe	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	
Soil Vapor ID: SSV-DG-519	
Soil Vapor Well Completion Time/Date: 1150 / 5-16-14	
Soil Vapor Probe Depths (ft.bgs): 7.0-8.0	
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations Surface Description: Grassland (CESADA)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	CL	Silty Clay (CL), brown (10YR 4/3), stiff, dry, low to med. plasticity clay, few roots; native	–	–	–	–	25/75
		48"				1							
			NONE			2							
						3							
0.0						4							
						5	ML	Sandy Silt (~~CAL~~) w/ clay (ML), dark yellowish brown (10YR 4/4), med. stiff, dry, medium plasticity clay and silt, fine sand native	–	–	–	20	65/15
		48"	NONE			6							
						7	SP	Poorly graded Sand (SP), yellowish brown (10YR 5/6), loose, dry, fine sand, trace med. and coarse sand, no odors or stains, native	–	TR	TR	100	–
0.0					11:40	8							
SVL-519-SA8-SB-7.5-8.0							BR	@ 8.0 ft Sandstone - weathered.					
						9		TD = 8.0 ft, refusal on bedrock. Set vapor probes at 7.0-8.0 ft; collect encores and place on hold in case no flow conditions exist.					

QA/QC

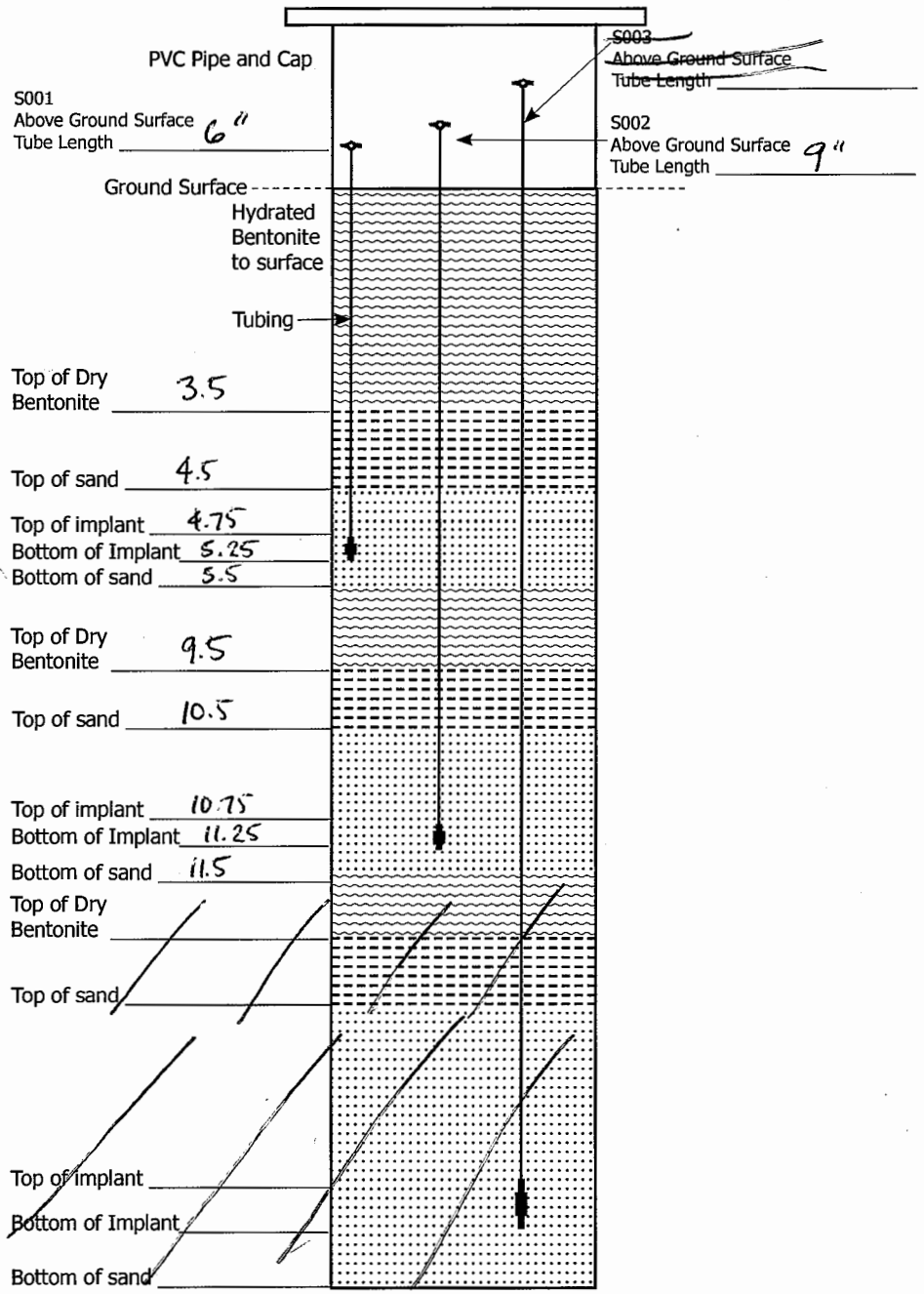
Multiple Soil Vapor Probe Construction Diagram

(V.V.)

Probe ID/Soil ID: SSV-DG-524
Site: SA8
Drilling Contractor: EST
Borehole TD: 11.5

Project: Phase 3 DOE SVDG
Logged by: V. Vathanasin
Driller: Morgan Hughes
Borehole Diameter: 2.25"

Job #: ~~10504~~ 10503982
Reviewed by:
Rig Type/Method: Geoprobe 5400 / DP
Probe Completion Date/Time: 12:38 / 5-19-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: CETCO

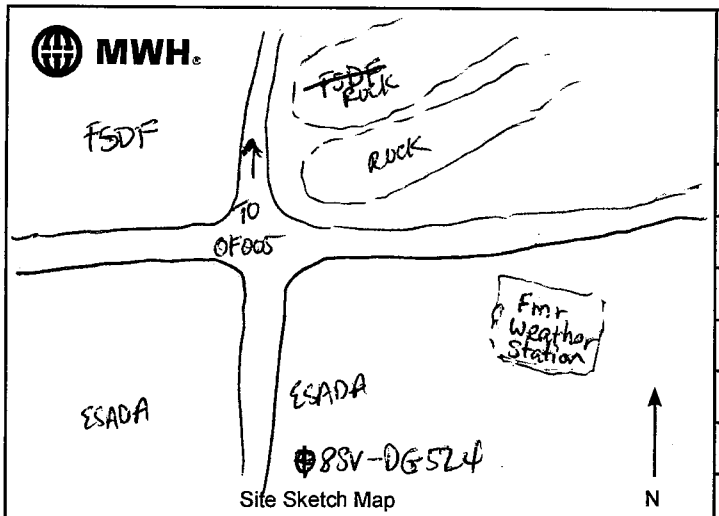
Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:

1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 8SV-DG-524	Sheet 1 of 2 (V.V.)
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name:
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macrocore	
Borehole Diam (inch): 2.25	Total Depth (ft.bgs): 11.5
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1124 / 5-19-14	Drill Finish Time/Date: 1210 / 5-19-14
Soil Vapor ID: 8SV-DG-524	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 12:38 / 5-19-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 4.5-5.5, 10.5-11.5	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil vapor probes
	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Clayey Silt (ML) brown (10YR 4/3), stiff, dry, low to medium plasticity fines, no odors or stains, graded fill (V.V.)	–	–	–	–	100
		48"	NONE			1							
						2		color changes to light yellowish brown (10YR 6/4), some white (10YR 8/1) leaching stains, grades to medium plasticity fines					
0.2						3							
					1220	4							
		40"		SVL-524-SA8-SB		5							
						6							
						7							
0.3						8							
						9							
		24"											

4.5-5.5

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

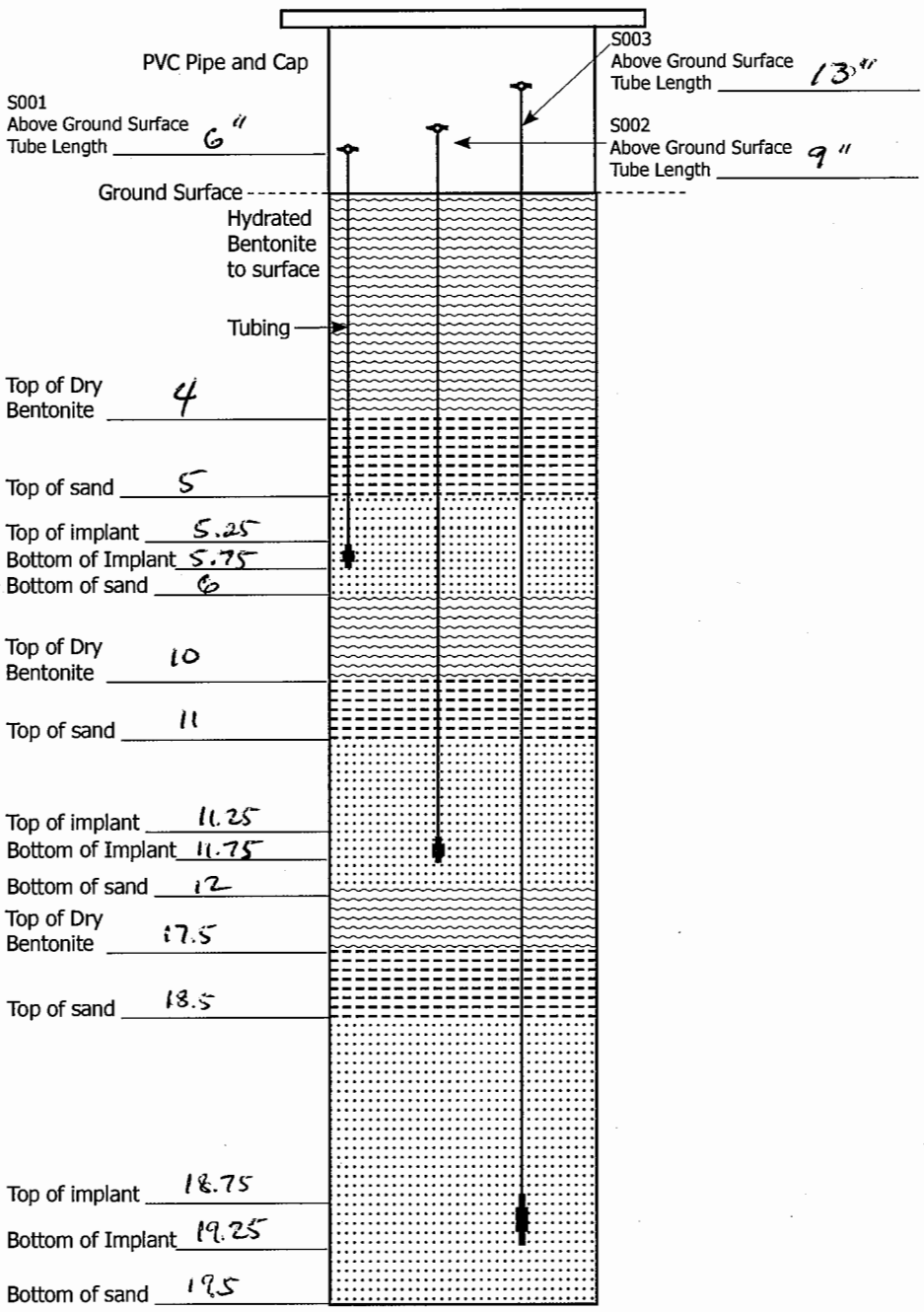
Surface Description: Hydromulch, mustard

Boring ID: SSV-DG-524 Project: Phase 3 DOE SV DG Sampling Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
	X		NONE			10		Same as above					
						11	SP-SM	Poorly Graded Sand with Silt and Clay (SP-SM), yellowish brown (10YR 5/4), loose, dry, fine to medium sand, low plasticity clay and silt, weak cementation, no stains or odors, native soil.	–	–	10	75	15
						12							
						13							
						14		@11.5 Sandstone, weathered.					
						15		TD = 11.5', refusal on bedrock; install vapor probes at 4.5-5.5 and 10.5-11.5'					
						16		Submit encores for 4.5-5.5' due to possible no-flow conditions.					
						17							
						18							
						19							
						20							
						1							
						2							
						3							
						4							
						5							
						6							
						7							
						8							
						9							

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-528 | Project: Phase 3 DOE SVDG | Job #: 10503982
Site: SA 8 | Logged by: V. Vathanasin | Reviewed by:
Drilling Contractor: EST | Driller: Morgan Hughes | Rig Type/Method: Geoprobe 5400 / DP
Borehole TD: 19.5 | Borehole Diameter: 2.25 " | Probe Completion Date/Time: 1514 / 5-19-14



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

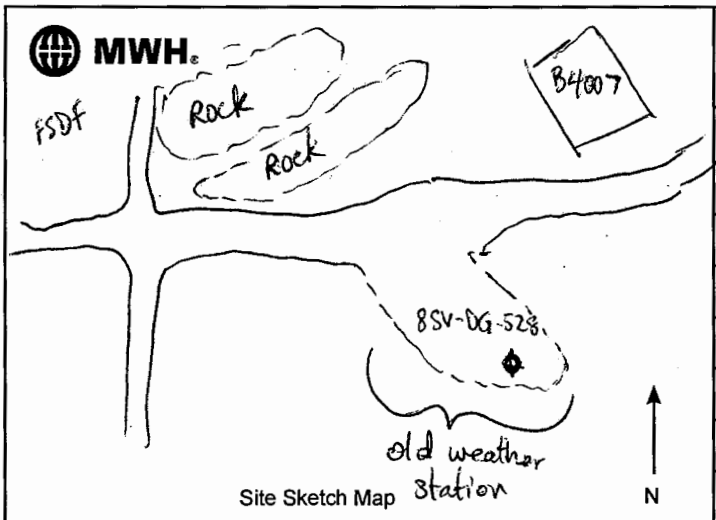
Dry Bentonite
Type: #8
Manufacturer: CETCO

Hydrated Bentonite
Type: #8
Manufacturer: CETCO

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

Boring ID: 8SV-DG-528	Sheet 1 of 2
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 19.5'
Drill Bit Type: Macrocore	
Drill Start Time/Date: 1325 / 5-19-14	Drill Finish Time/Date: 1430 / 5-19-14
Soil Vapor ID: 8SV-DG-528	Soil Boring Backfill Time/Date: N/A
Soil Vapor Well Completion Time/Date: 15:14 / 5-19-14	Backfill Material: N/A
Soil Vapor Probe Depths (ft.bgs): 5.0-6.0, 11.0-12.0, 18.5-19.5	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Well Detail Completed (yes/no)	Surface Completion: Soil Vapor Probes
	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☒ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	ML	Surface Description: Heavy Brush (cleared)					
								Sandy Silt (ML), light yellowish brown (10 YR 6/4), med. stiff, dry, non-plastic fines, fine sand, weak clay cement, no odors or fines, roots, graded fill	--	-	-	15	85
		40"	NONE			1							
						2							
						3		color changes to brown (10YR 4/3),					
						4							
						5		color changes to pale brown (10YR 6/3), stiff, increasing sand, native	-	-	-	25	75
		48"			1446								
		SVE-528-SA8-5.5-6.0				6							
						7	CL	Clay with Sand (CL), very pale brown (10YR 7/3), med stiff, moist, med plasticity clay, fine sand, heavy weathering [white [10YR 8/1]]					
						8							
						9		grades to dry.					

cont next page

Boring ID: SV-DG-528 Project: Phase 3 DOE SV DG Sampling Sheet 2 of 2

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						10		Same as above					
		48"			1450	11	ML	Silt w/ Clay (ML), light yellowish brown (10YR 6/4), stiff, moist, med. plasticity clay, silt	-	-	-	-	15/85
			SB-528-SA3	SB-11.0-12.0		12							
		48"				13							
						14							
						15							
						16	SM						
						17	SM	Silty sand (SM), brownish yellow (10YR 6/6), med. dense, dry, fine sand, non-plastic silt, no odors or staining,	-	-	-	80	20
						18	V.V.		-	-	-	10	90
							ML		-	-	-	30	20
						19		@17.5 Silt w/ sand (ML), yellowish brown (10YR 5/4), stiff, moist, non-plast. silt, sand					
						20		@18.0 Silty Sand (SM), brownish yellow (10YR 6/6), med. dense, dry, fine sand, non-plastic silt, ~~wet~~ V.V.					
						21							
						2		@19.5 Sandstone					
						3		TD= 19.5, refusal on bedrock, install probes at 5.0-6.0, 11.0-12.0, 18.5-19.5, Collect encores at 5.0-6.0, 11.0-12.0 due to possible low-flow conditions and place on hold.					
						4							
						5							
						6							
						7							
						8							
						9							

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

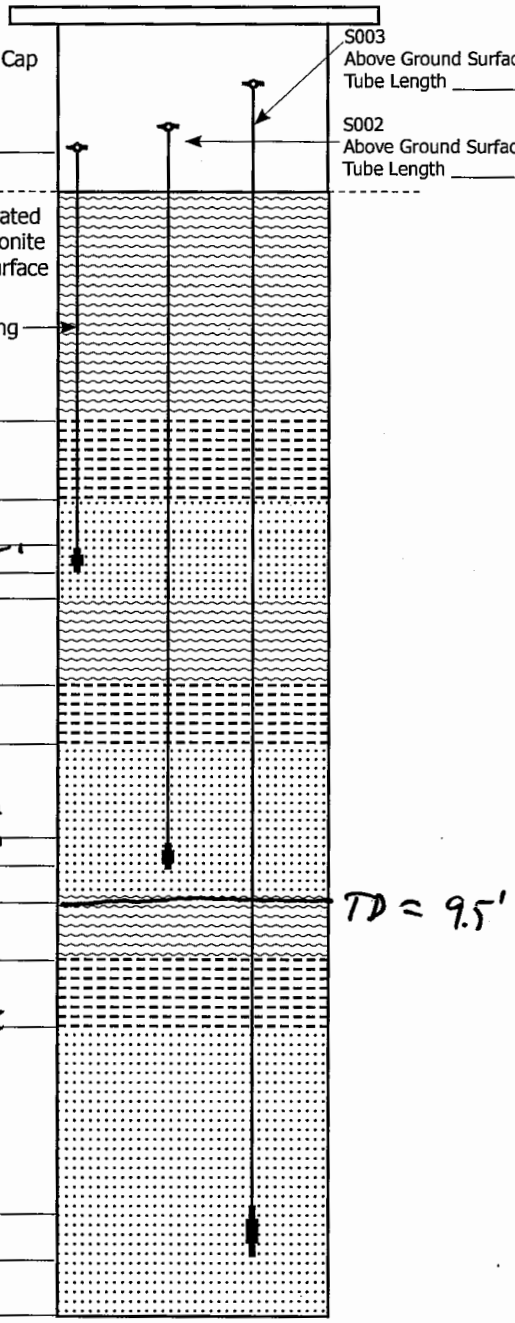
MWH

Multiple Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: 8SV_DG-529
Site: 8
Drilling Contractor: EST
Borehole TD: 9.5' bgs

Project: Phase 3 DDE SVDG 2014
Logged by: RABELLES
Driller: MORGAN HUGHES
Borehole Diameter: 3.5"

Job #: 10503982.3050105
Reviewed by:
Rig Type/Method: HAND AUGER
Probe Completion Date/Time: 12JUN14; 14:00



Top of Dry Bentonite 3.5'
Top of sand 4.5'
Top of implant 4.75'
Bottom of Implant 5.25'
Bottom of sand 5.5'
Top of Dry Bentonite 7.5'
Top of sand 8.5'
Top of implant 8.75'
Bottom of Implant 9.25'
Bottom of sand 9.5'
Top of Dry Bentonite N/A
Top of sand N/A
Top of implant N/A
Bottom of Implant N/A
Bottom of sand N/A

Vapor Implant Specs
Material: stainless steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: teflon
Diameter: 1/4"
Color: clear

Sand Pack Specs
Grain Size: #3 sand
Manufacturer: Cemex

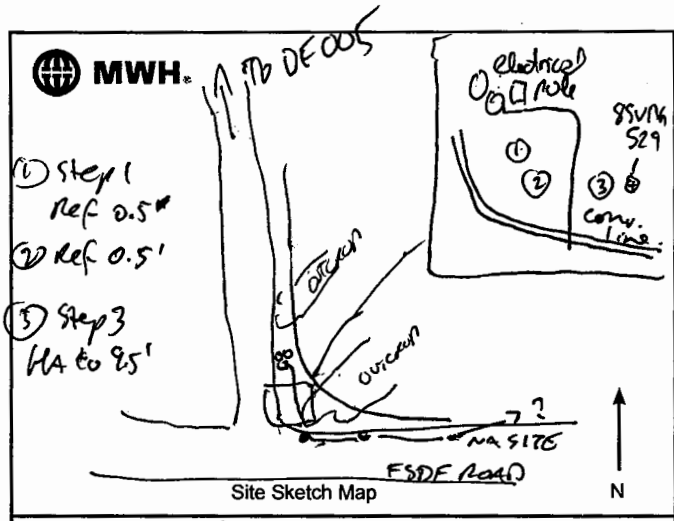
Dry Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Hydrated Bentonite
Type: #8 crumbles
Manufacturer: Cetco

Notes:
1. Probes not to scale.
2. Borings are approximately 2 inches in diameter using a Macrocore or Dual Tube sampler and can hold up to 5 soil vapor probes. If additional depths will require sampling at the same location, a second boring may need to be drilled.

FIGURE 4-2

MWH



Site Sketch Map

(1) Step 1 Ref 0.5'
(2) Ref 0.5'
(3) Step 3 HA to 9.5'

Boring ID:	8SV-DG-529 Sheet 1 of 1
Project:	Phase 3 DOE Soil Vapor Data Gap Sampling 2014
Job #:	10503982.3050105/ 10503982.3060105 Site: 8
Logged By:	Rob Ellis Reviewed By:
Drilling Contractor:	EST Drillers Name: Morgan Hughes
Drill Rig Type/Method:	HAND AUGER
Sampler Type:	BUCKET AUGER GRAB
Borehole Diam (inch):	3.5" Total Depth (ft.bgs): 9.5'
Drill Bit Type:	BUCKET AUGER
Drill Start Time/Date:	12 JUN 14 13:20 Drill Finish Time/Date: 12 JUN 14 13:45
Soil Vapor ID:	8SV-DG-529
Soil Boring Backfill Time/Date:	N/A Backfill Material: N/A
Soil Vapor Well Completion Time/Date:	12 JUN 14 ; 14:00
Observations:	☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs):	4.5-5.5 ; 8.5-9.5
Surface Completion:	SV probe
Soil Vapor Well Detail Completed (yes/no)	Yes sealed
Type of Refusal:	☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description: wildroot, grasses

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: generally flat between outcrops

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0		9.5				0		0.0-2.5					
Mor		C				1	SM	Silty sand (SM) dark yellow brown (10YR 4/4), Mostly fine sand (60), some silt (30), few medium sand (10), dry, loose. No stain, no odor, Fill.	~	~	10	60	30
						2							
						3		2.5-9.0					
						4		Silty sand (SM) dark yellow brown (10YR 4/6), dry, med-dense. Mostly fine sand (55), some silt (35), few medium sand (10). No stain, no odor, Fill.					
						5	SM						
						6		9.0-9.5					
						7		Poorly sorted sand (SP). light yellowish brown (10YR 6/4). Slightly moist, loose, Mostly fine sand (80), few silt/med sand (10% each). No stain, no odor, native soil some oxide staining	~	~	10	80	10
						8							
						9	SP						
							BR	TD = 9.5' bgs w/ refusal on weathered bedrock sandstone					

QA/QC

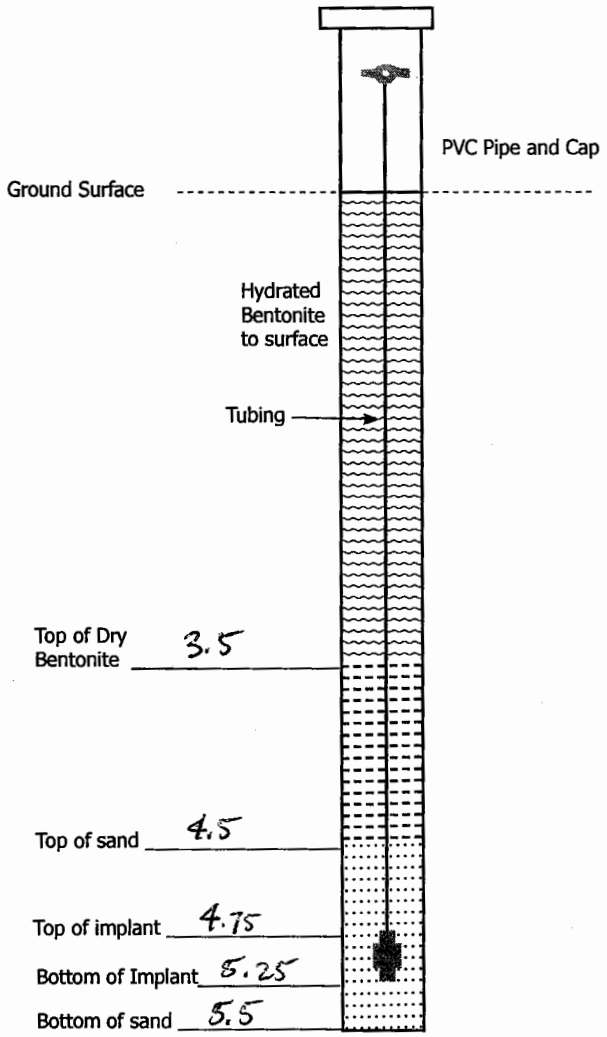
Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-531 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 2014

Site: SA 8 | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Hand Auger | Driller: Marty Kilveken

Borehole TD: 5.5 | Probe Completion Date/Time: 1130/6-12-14 | Borehole Diameter: 3.25"



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: Cetco

Hydrated Bentonite

Type: #8

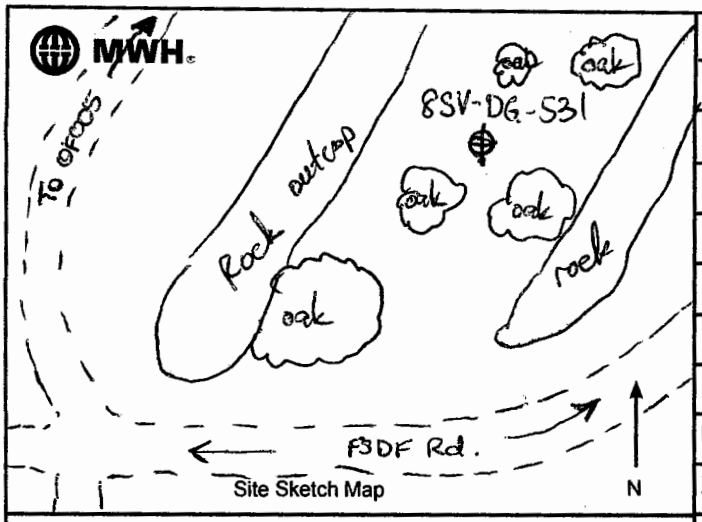
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: 8SV-DG-531	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Marty Killuhen
Drill Rig Type/Method: Hand Auger	
Sampler Type: Grab	
Borehole Diam (inch): 3.25"	Total Depth (ft bgs): 5.5'
Drill Bit Type: Standard auger bucket	
Drill Start Time/Date: 1042 / 6-12-14	Drill Finish Time/Date: 1112 / 6-12-14
Soil Boring Backfill Time/Date: N/A	Backfill Material: N/A
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: Soil vapor probe	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

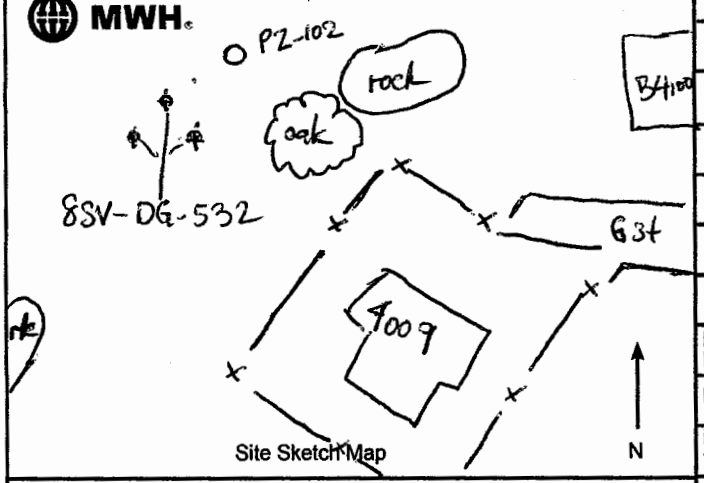
Soil Vapor ID:	8SV-DG-531
Soil Vapor Well Completion Time/Date:	1130 / 6-12-14
Soil Vapor Probe Depths (ft.bgs):	4.5-5.5
Soil Vapor Well Detail Completed (yes/no)	

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Estimated % of Gravel	Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 4/4), med. dense, dry, fine sand, non-plastic silt, white calcite nodules (<1mm), no odor or staining, native	-	-	-	60	40
						1							
						2							
						3							
						4		@4' color changes to yellowish brown (10YR 5/6), grades w/ clay, root fragment	-	-	-	60	30/10
						5							
						6	Br	Shale, weathered, brownish yellow ~~no~~ oxidation (10YR 6/8), platy.					
						7		TD = 5.5', hand auger refusal on bedrock, install vapor probe 4.5-5.5'.					
						8							
						9							

Soil Description
1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: Small valley, grassy

MWH



Site Sketch Map

Boring ID: SSV-DG-532 Sheet 1 of 1

Project: Phase 3 DOE Data Gap Sampling 2014

Job #: 10503982.3050106 / 10503982.3060106 Site: Subarea 8

Logged By: V. Vathanasin Reviewed By:

Drilling Contractor: EST Drillers Name: Marty Kilcher

Drill Rig Type/Method: Hand auger

Sampler Type: Grab

Borehole Diam (inch): 3.25" Total Depth (ft bgs): 4.0

Drill Bit Type: Standard bucket auger

Drill Start Time/Date: 1155 / 6-12-14 Drill Finish Time/Date: 1230 / 6-12-14 (V.V.)

Soil Vapor ID: N/A

Soil Boring Backfill Time/Date: 1232 / 6-12-14 Backfill Material:

Soil Vapor Well Completion Time/Date: N/A

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): N/A

Surface Completion: Backfilled w/ soil cuttings

Soil Vapor Well Detail Completed (yes/no)

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description
1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: Grassy, ~ 20' SW from PZ-102

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	SM	Silty Sand (SM), dark yellowish brown (10YR 4/6), med. dense, dry, fine sand, silt, roots, dry wood, fill		-	-	65	35
						1							
						2							
						3	CL	@3' CLAY (CL), dark yellowish brown (10YR 4/6), stiff, dry, white nodules (<1 mm),					
0.0			X		1230	4							
SVL-532-SA&SB-3.5-4.0							BR	no stains or odors, ~~very~~ very difficult to auger through, native					
						5							
								Sandstone (?), few fragments of weathered sandstone, poor recovery in auger bucket.					
						6							
						7		TD = 4.0 ft, refusal on bedrock; type of bedrock uncertain; need soil core to determine. Collect soil sample 3.5-4.0 and submit for VOC analyses.					
						8							
						9		Drilled 3 borings to confirm shallow refusal. 1st boring = 2.9', 2nd = 3.9', 3rd = 4.0'					

Single Soil Vapor Probe Construction Diagram

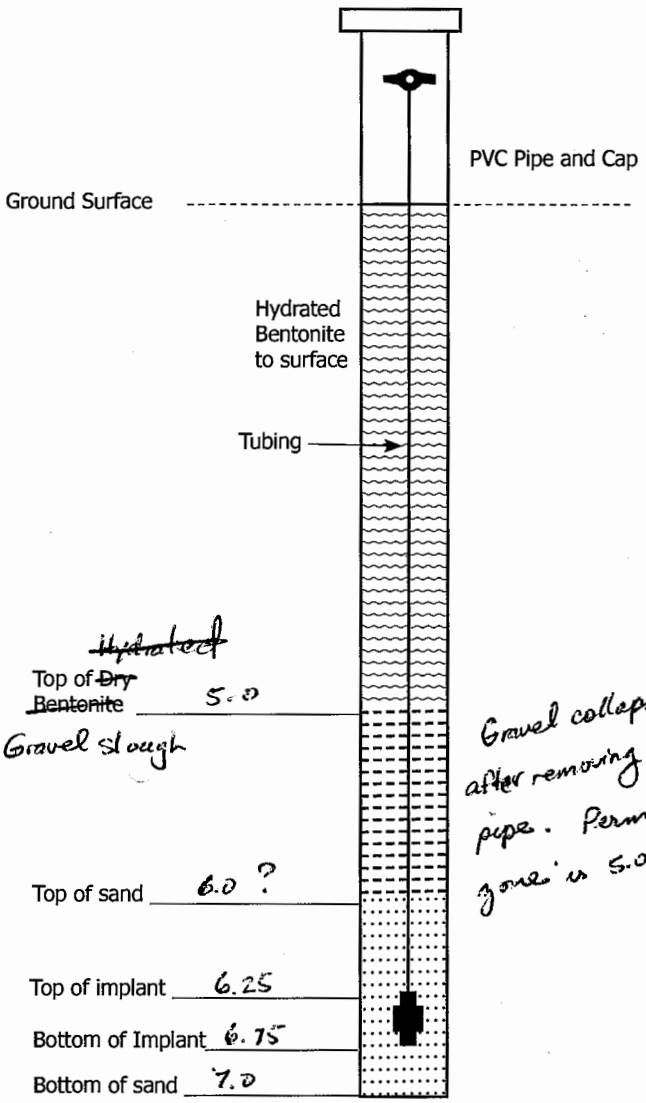
Probe ID/Soil ID: SSV-DG-534 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 201

Site: SA 8 | Reviewed by: | Logged by: V. Vathanasin

Drilling Contractor: EST | Rig Type/Method: Geoprobe 5400 / DP | Driller: Morgan Hughes

Borehole TD: 7.0 | Probe Completion Date/Time: 0950 / 5-20-14 | Borehole Diameter: 1.5"

Install probe w/ large bore!



Vapor Implant Specs

Material: Stainless Steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: Teflon

Diameter: 1/4"

Color: Clear

Sand Pack Specs

Grain Size: #3

Manufacturer: Cemex

Dry Bentonite

Type: #8

Manufacturer: CETCO

Hydrated Bentonite

Type: #8

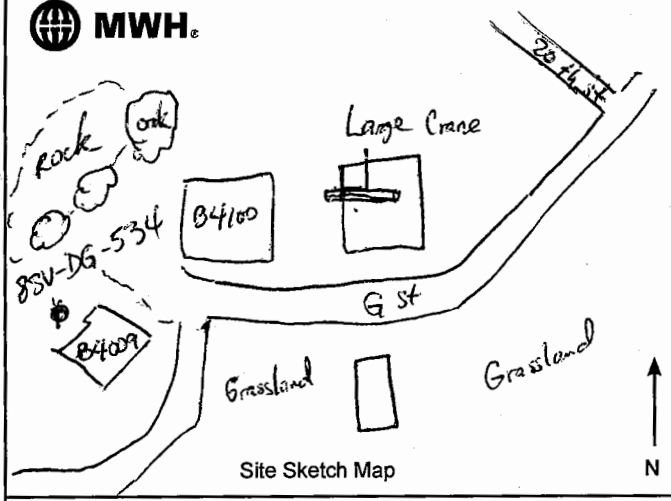
Manufacturer: CETCO

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-534	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: SA 8
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Morgan Hughes
Drill Rig Type/Method: Geoprobe 5400 / DP	
Sampler Type: Macro core	
Borehole Diam (inch): 2.25"	Total Depth (ft.bgs): 7.0
Drill Bit Type: Macrocore	
Drill Start Time/Date: 0903 / 5-20-14	Drill Finish Time/Date: 0936 / 5-20-14
Soil Vapor ID: SSV-DG-534	Soil Boring Backfill Time/Date: N/A; Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 0950 / 5-20-14	Observations: ☒ Debris ☐ Staining ☐ Odors ☐ Groundwater ☐ None
Soil Vapor Probe Depths (ft.bgs): 6.0 - 7.0'	Surface Completion: Vapor Probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

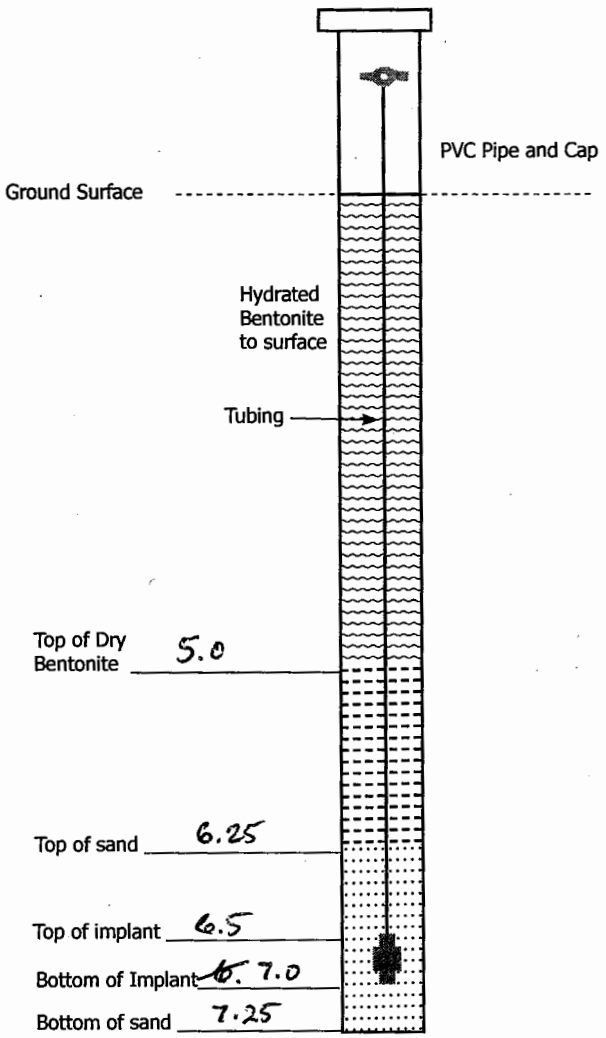
PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	AF	4" Asphalt	TR	-	-	65	35
						1	SM	Silty Sand (SM), yellowish brown (10YR 5/6), med. dense, ~~dry~~ (V.V.) faint moisture, fine sand, low plasticity silt, trace fine angular gravel (base), no stains or odors, fill					
		26"	NONE			2		* Base gravel @ 4" to 7" caving into boring and preventing recovery					
0.0						3							
						4							
						5							
		3"				6							
						7	SP	Poorly graded Sand (SP) - Poor Recovery, observed residue					
							Br	Shale, partially weathered bedrock.					
						8		TD = 7.0', refusal on shale. Hole collapsed to 5.5 after tripping out and two ~~tpp~~ (V.V.) attempts					
						9		to clear debris/gravel was unsuccessful. Drill large bore hole w/ disposable point 1-ft N. and install probe 6.0-7.0'; however, there					

QA/QC
Surficial media boring log rev 2-25-2014

MWH

Single Soil Vapor Probe Construction Diagram

Probe ID/Soil ID: SSV-DG-543
Job #: 10503982.3050105/10503982.3060105
Project: Phase 3 DOE Data Gap Sampling 2014
Site: SA 8
Reviewed by:
Logged by: V. Vathanasri
Drilling Contractor: EST
Rig Type/Method: Hand auger
Driller: Pedro Garcia
Borehole TD: 7.25
Probe Completion Date/Time: 1010 / 6-12-14
Borehole Diameter: 3.25"



Vapor Implant Specs
Material: Stainless Steel
Length: 6"
Diameter: 3/8"

Tubing Specs
Material: Teflon
Diameter: 1/4"
Color: Clear

Sand Pack Specs
Grain Size: #3
Manufacturer: Cemex

Dry Bentonite
Type: #8
Manufacturer: Cetco

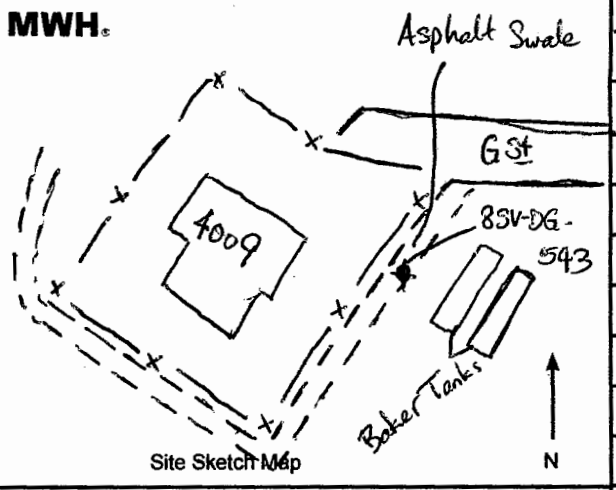
Hydrated Bentonite
Type: #8
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: SSV-DG-543	Sheet 1 of 1
Project: Phase 3 DOE Data Gap Sampling 2014	
Job #: 10503982.3050106 / 10503982.3060106	Site: SA 8 (V.V.)
Logged By: V. Vathanasin	Reviewed By:
Drilling Contractor: EST	Drillers Name: Pedro Garcia
Drill Rig Type/Method: Hand auger	
Sampler Type: Grab-	
Borehole Diam (inch): 3.25"	Total Depth (ft.bgs): 7.25
Drill Bit Type: Standard bucket auger	
Drill Start Time/Date: 0930 / 6-12-14	Drill Finish Time/Date: 1004 / 6-12-14
Soil Vapor ID: SSV-DG-543	Soil Boring Backfill Time/Date: N/A — Backfill Material: N/A
Soil Vapor Well Completion Time/Date: 1010 / 6-12-14	Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None
Soil Vapor Probe Depths (ft.bgs): 6.25 - 7.25'	Surface Completion: Soil vapor probe
Soil Vapor Well Detail Completed (yes/no)	Type of Refusal: ☐ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description (1) Soil type (2) USCS Symbol (3) Munsell Color (4) Consistency/Density (5) Moisture (6) Grain Size % (7) Cementation (8) Plasticity (fines) (9) Geologic Unit (fill, alluvium, bedrock) (10) Misc. Observations)	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
						0	CL	Surface Description: In drainage E. of 4009, E. bank. 2" Asphalt	-	-	-	25	75
						1		Sandy Clay (CL), yellowish brown (10YR 5/4), med stiff, moist, med. plasticity clay, fine sand, no stains or odors, disturbed soil (fill).					
						2							
						3		@3' color changes to yellowish brown (10YR 5/8)					
						4							
0.0						5		Grades w/ calcite cement					
						6	SP-SM	Poorly Graded Sand w/ Silt (SP-SM), brownish yellow (10YR 6/6), loose, dry, fine sand, non-plastic silt, no stains or odors, native soil	-	-	-	90	10
						7							
						8	Br						
0.0						9		Sandstone, weathered					
								TD = 7.25'; refusal on bedrock. Install vapor probe @ 6.25-7.25'. Probe set on E. bank of drainage. HDPE pipe in middle of drainage cannot be moved.					

Single Soil Vapor Probe Construction Diagram

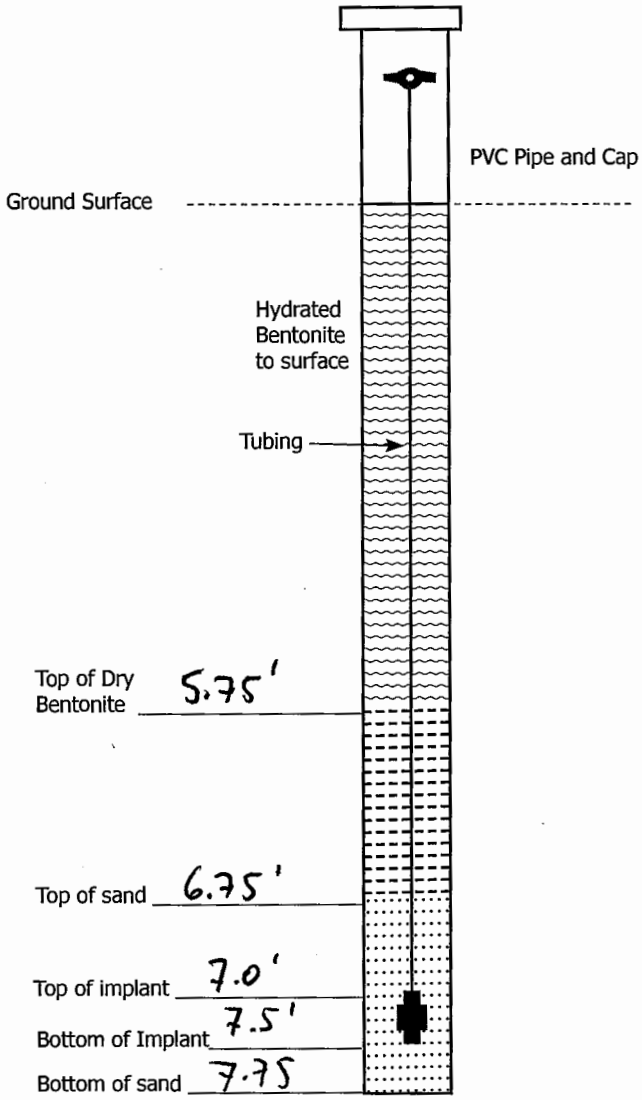
MWH

Probe ID/Soil ID: SSV-DH-545 | Job #: 10503982.3050105/10503982.3060105 | Project: Phase 3 DOE Data Gap Sampling 20

Site: 8 | Reviewed by: | Logged by: ROB ELLIS

Drilling Contractor: EST | Rig Type/Method: HAND AUGER | Driller: MORGAN HUGHES

Borehole TD: 7.8' bgs | Probe Completion Date/Time: 12 JUN 13, 08:30 | Borehole Diameter: 3.5"



Vapor Implant Specs

Material: stainless steel

Length: 6"

Diameter: 3/8"

Tubing Specs

Material: teflon

Diameter: 1/4"

Color: clear

Sand Pack Specs

Grain Size: #3 sand

Manufacturer: Cemex

Dry Bentonite

Type: #8 crumbles

Manufacturer: Cetco

Hydrated Bentonite

Type: #8 crumbles

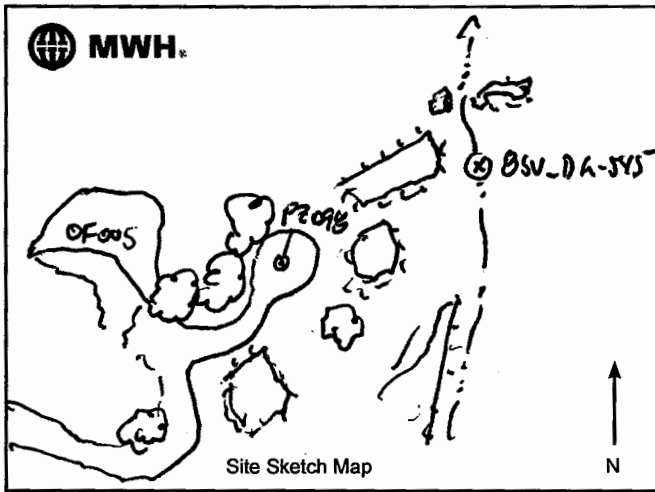
Manufacturer: Cetco

Notes:

1. Probes not drawn to scale.

FIGURE 4-1

MWH



Site Sketch Map

Boring ID: BSV_DG-545 Sheet 1 of 1

Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014

Job #: 10503982.3050105/ 10503982.3060105 Site: 8

Logged By: ROB ELLIS Reviewed By:

Drilling Contractor: EST Drillers Name: MORGAN HUNKER

Drill Rig Type/Method: HAND AUGER

Sampler Type: BUCKET AUGER GRAB

Borehole Diam (inch): 3.5" Total Depth (ft.bgs): 7.8'

Drill Bit Type: BUCKET AUGER

Drill Start Time/Date: 12 JUN 14 ; 08:10 Drill Finish Time/Date: 12 JUN 14 ; 08:24

Soil Vapor ID: BSV_DG-545

Soil Boring Backfill Time/Date: N/A Backfill Material: N/A

Soil Vapor Well Completion Time/Date: 12 JUN 14 ; 08:30

Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None

Soil Vapor Probe Depths (ft.bgs): 6.75' - 7.75'

Surface Completion: SV PROBE

Soil Vapor Well Detail Completed (yes/no) attached.

Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None

Soil Description poison oak, yerba santa.

1) Soil type 2) USCS Symbol 3) Munsell Color 4) Consistency/Density 5) Moisture 6) Grain Size % 7) Cementation 8) Plasticity (fines) 9) Geologic Unit (fill, alluvium, bedrock) 10) Misc. Observations

Surface Description: in thalweg; grassy

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Description	Gravel	Estimated % of Sand: Coarse	Sand: Medium	Sand: Fine	Silt/clay
0.0 ppm		7.8'				0		0.0 - 3.5					
						1		silty sand (SM) dark yellowish brown (10YR 4/4). slightly moist, loose. Mostly fine sand (55), some silt (35), few coarse & medium sand (5% each). No stain, no odor. Native.	-	5	5	55	35
						2	SM						
						3		3.5 - 7.75					
						4		poorly sorted sand with silt (SP-SM), yellowish brown (10YR 5/6). loose, slightly moist. Mostly fine sand (65), little silt (25), few med-sand (10). No stain, no odor. Native soil.	-	-	10	65	25
						5	SP - SM						
						6		7.75 - 7.8					
						7		Weathered sandstone bedrock, fine. medium grained, highly weathered (W4), weak (R2), soft (H6)					
						8	SP	oxide staining. Brownish yellow overall (10YR 6/6).					
						9							
								TD = 7.8' bgs w/ refusal on weathered sandstone					

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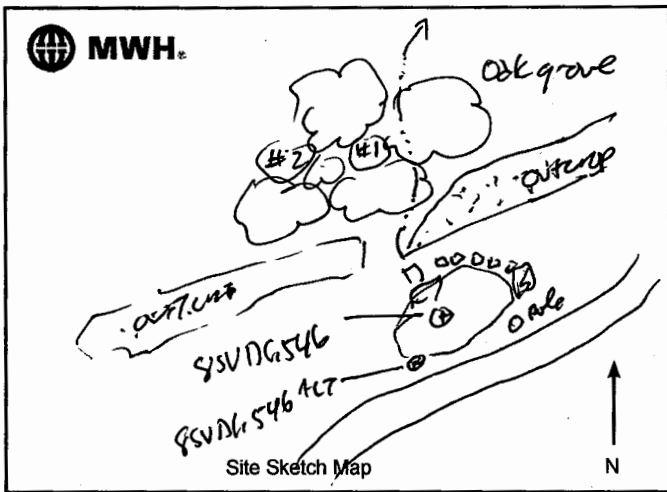

Site Sketch Map

Boring ID: 8SV_DG-546	Sheet 1 of 1
Project: Phase 3 DOE Soil Vapor Data Gap Sampling 2014	
Job #: 10503982.3050105/ 10503982.3060105	Site: 8
Logged By: RUB ELLIS	Reviewed By:
Drilling Contractor: EST	Drillers Name: MORGAN HUGHES
Drill Rig Type/Method: HAND AUGER	
Sampler Type: BUCKET AUGER GRAB	
Borehole Diam (inch) 3.5"	Total Depth (ft.bgs) 4.9'
Drill Bit Type: BUCKET AUGER	
Drill Start Time/Date: 09:44 12JUN14	Drill Finish Time/Date: 10:26 12JUN14
Soil Boring Backfill Time/Date: 10:33 12JUN14	Backfill Material: SOIL CUTTINGS 12JUN14
Observations: ☐ Debris ☐ Staining ☐ Odors ☐ Groundwater ☒ None	
Surface Completion: NONE	
Type of Refusal: ☒ Bedrock ☐ Debris ☐ Gravel ☐ Unknown ☐ None	

Soil Vapor ID:	N/A
Soil Vapor Well Completion Time/Date:	N/A
Soil Vapor Probe Depths (ft.bgs):	N/A
Soil Vapor Well Detail Completed (yes/no)	N/A

Soil Description wild oat

1) Soil type
2) USCS Symbol
3) Munsell Color
4) Consistency/Density
5) Moisture
6) Grain Size %
7) Cementation
8) Plasticity (fines)
9) Geologic Unit (fill, alluvium, bedrock)
10) Misc. Observations

Surface Description: on bank next to drainage.

PID/OVA	Sample Interval	Recovered (in.)	Retained for Analysis	Sample Number	Sample Time	Depth (Feet)	USCS Soil Type	Soil Description	Gravel	Estimated % of Sand: Coarse	Medium	Fine	Silt/clay
		4.9'				0		0-4.9					
						1		Silty sand (sm); brown	–	–	10	60	30
								(10YR 4/3) transitioning to					
						2		(10YR 4/4) gradually. Loose,					
							SM	dry. Mostly fine sand (60),					
						3		some silt (30); few medium					
								sand (10). No stain, no					
						4		odor; probable native.					
			X	4.4 4.9		4.9'		Proximal oak trees, within					
						5		20' feet; but fine oak roots					
								throughout; one up to 3/4" for one root					
						6		• Location moved downgradient					
								and stepped 5.5' (W) from thalweg					
						7		for #1; refusal @ 3.0',					
								stepped additional 5.3' (W) to					
						8		location #2. TD = 4.9'					
								w/ refusal on weathered					
						9		bedrock.					

Sample @ 10:25
SVL-546-SA8-SB-4.4-4.9MS
+ Duplicate @ 10:30
SVL-546-SA8-SB-4.4-4.9
12 µRem 52 cpm
0.0 ppm @ 10:25h
9 encores + 1 8oz jar

QA/QC
Sur icial media boring log rev 2-25-2014

APPENDIX B

SOIL VAPOR ANALYTICAL RESULTS

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.031	0.0077	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0018	J	0.0064	0.0013	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.013	UJ	0.013	0.0025	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0053	U	0.0053	0.0011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.016		0.0098	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0099	U	0.0099	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0087	U	0.0087	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.019	U	0.019	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.011	U	0.011	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.031		0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0075	U	0.0075	0.0015	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.011	U	0.011	0.0021	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 8:51	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0051	U	0.0051	0.001	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.031	0.0077	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0056	J	0.0064	0.0013	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.013	UJ	0.013	0.0025	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0053	U	0.0053	0.0011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.058		0.0098	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0099	U	0.0099	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0087	U	0.0087	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.023	U	0.023	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.011	U	0.011	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.027		0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.015		0.0075	0.0015	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.011	U	0.011	0.0021	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 9:12	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0051	U	0.0051	0.001	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.031	0.0077	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0044	J	0.0064	0.0013	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.013	UJ	0.013	0.0025	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0053	U	0.0053	0.0011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.016		0.0098	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0099	U	0.0099	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0087	U	0.0087	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.015	U	0.015	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0087	U	0.0087	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.024		0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.008		0.0075	0.0015	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.011	U	0.011	0.0021	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 9:54	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0051	U	0.0051	0.001	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.069	U	0.069	0.014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.055	U	0.055	0.011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.069	U	0.069	0.014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Trichloro-1,2,2-trifluoroethane	0.15	U	0.15	0.038	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.055	U	0.055	0.011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.04	U	0.04	0.0081	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.04	U	0.04	0.0079	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.04	U	0.04	0.0081	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.014	J	0.032	0.0064	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.063	UJ	0.063	0.013	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.026	U	0.026	0.0053	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.049	U	0.049	0.0098	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.04	U	0.04	0.0079	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.049	U	0.049	0.0099	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.043	U	0.043	0.0087	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.035	U	0.035	0.0069	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.043	U	0.043	0.0087	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.043	U	0.043	0.0087	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.068	U	0.068	0.014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.019	J	0.038	0.0075	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.04	U	0.04	0.0079	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.054	U	0.054	0.011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.056	U	0.056	0.011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.026	U	0.026	0.0051	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.014	U	0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.031	U	0.031	0.0077	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0081	U	0.0081	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0068		0.0064	0.0013	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.013	UJ	0.013	0.0025	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0053	U	0.0053	0.0011	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.006	J	0.0098	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0099	U	0.0099	0.002	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.011	U	0.011	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.034		0.0087	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.016	U	0.016	0.0017	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.032		0.014	0.0027	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.019		0.0075	0.0015	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0079	U	0.0079	0.0016	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.011	U	0.011	0.0021	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.011	U	0.011	0.0022	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-504	SVL-504-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0051	U	0.0051	0.001	1481734	Lancaster	Y	V	1481734	267581.39112	1785330.03449	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.019		0.0032	0.00064	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.11		0.0049	0.00099	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.02		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.062		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.028		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0037	J	0.0068	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.022		0.0038	0.00075	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.036		0.0054	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.027		0.0056	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-10.0-11.0	Primary Sample	--	6/10/2014 12:04	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.018		0.0032	0.00064	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.073		0.0049	0.00099	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.019		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.058		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.027		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0029	J	0.0068	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.022		0.0038	0.00075	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0011	J	0.0054	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-15.0-16.0	Primary Sample	--	6/10/2014 12:39	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0031	J	0.0032	0.00064	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.054		0.0049	0.00099	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.034		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.081		0.043	0.0087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.07		0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0043	J	0.0068	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0076		0.0038	0.00075	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-20.0-21.0	Primary Sample	--	6/10/2014 13:03	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00068	J	0.0032	0.00064	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.054		0.0049	0.00099	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0044	U	0.0044	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.012	U	0.012	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0073	U	0.0073	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0041	J	0.0068	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-25.0-26.0	Primary Sample	--	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0037	J	0.004	0.00081	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0014	J	0.0049	0.00098	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0085	U	0.0085	0.00099	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.012		0.0035	0.00069	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0055	U	0.0055	0.00075	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-509-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 11:30	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481734	Lancaster	Y	V	1481734	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.056		0.00989	0.00359	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.00371	J	0.0174	0.00217	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00195	J	0.00868	0.00117	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.00337	J	0.0136	0.00173	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-509	SVL-909-SA5A-SV-25.0-26.0	Split Sample	SVL-509-SA5A-SV-25.0-26.0	6/10/2014 14:19	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	267607.91344	1785374.66321	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0013	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0027	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0086		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0052		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.005	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0031	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-512	SVL-512-SA5A-SV-5.5-6.5	Primary Sample	--	6/11/2014 7:54	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267568.79566	1785519.79318	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00066	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00097	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0016	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0014	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.005		0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-10.0-11.0	Primary Sample	--	6/11/2014 8:50	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.001	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0024	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0061		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0037	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.002	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0015	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-521	SVL-521-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 8:24	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267551.02192	1785772.77804	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0067	J	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0021	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0079		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0047		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0043		0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-522	SVL-522-SA5A-SV-7.5-8.5	Primary Sample	--	6/11/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267688.12876	1785725.66263	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.034	U	0.034	0.0069	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.027	U	0.027	0.0055	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.034	U	0.034	0.0069	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.077	U	0.077	0.019	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.027	U	0.027	0.0055	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.02	U	0.02	0.004	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.02	U	0.02	0.004	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.02	U	0.02	0.004	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.019		0.016	0.0032	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.031	U	0.031	0.0063	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.013	U	0.013	0.0026	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.024	U	0.024	0.0049	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.02	U	0.02	0.004	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.025	U	0.025	0.0049	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0061	J	0.022	0.0043	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.017	U	0.017	0.0035	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.016	J	0.022	0.0043	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0075	J	0.022	0.0043	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.034	U	0.034	0.0068	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.03		0.019	0.0038	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.02	U	0.02	0.004	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.027	U	0.027	0.0054	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.028	U	0.028	0.0056	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 9:31	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.013	U	0.013	0.0026	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.049		0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0088		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.02		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.01		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0044	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.053		0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-528	SVL-528-SA5A-SV-9.0-10.0	Primary Sample	--	6/11/2014 10:02	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267538.77202	1786017.96499	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-537	SVL-537-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:23	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267443.15003	1785638.09580	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-4.5-5.5	Primary Sample	--	6/10/2014 10:57	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0058	J	0.02	0.0043	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-540	SVL-540-SA5A-SV-8.5-9.5	Primary Sample	--	6/10/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267399.98501	1785830.45506	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0062	J	0.02	0.0043	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place
5ASV_DG-543	SVL-543-SA5A-SV-5.0-6.0	Primary Sample	--	6/10/2014 12:26	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267341.61611	1785948.30912	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-546	SVL-546-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267444.16517	1786178.41882	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-547	SVL-547-SA5A-SV-6.0-7.0	Primary Sample	--	6/10/2014 13:42	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267368.80978	1786117.79543	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0012	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0011	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.002	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0014	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0013	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-10.5-11.5	Primary Sample	--	6/11/2014 11:54	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00082	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0014	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0044	U	0.0044	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0029	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.001	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-560	SVL-560-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 11:26	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267666.51641	1785942.27651	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0012	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0022	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00093	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-12.0-13.0	Primary Sample	--	6/11/2014 14:10	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0018	J	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.011	J	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00076	J	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0034	J	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.041	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.064		0.043	0.0087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.11	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.16	J	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0052	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.018	J	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-565-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:35	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	UJ	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0015	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0057		0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0033	J	0.0043	0.00087	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	UJ	0.0068	0.0014	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0017	J	0.0038	0.00075	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	UJ	0.0054	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-565	SVL-865-SA5A-SV-5.0-6.0	Field Duplicate	SVL-565-SA5A-SV-5.0-6.0	6/11/2014 13:43	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1481735	Lancaster	Y	V	1481735	267729.05578	1786095.49730	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-568	SVL-568-SA5A-SV-6.0-7.0	Primary Sample	--	6/11/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267724.62275	1786201.86155	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-570	SVL-570-SA5A-SV-7.0-8.0	Primary Sample	--	6/11/2014 12:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267633.78287	1786137.55122	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-582	SVL-582-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267625.76939	1786578.67756	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-592	SVL-592-SA5A-SV-5.0-6.0	Primary Sample	--	6/11/2014 13:43	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266933.99799	1786137.42180	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	UJ	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0049	U	0.0049	0.00069	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-595	SVL-595-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	266646.39243	1786320.65167	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0177		0.0153	0.00625	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.00218	J	0.0174	0.00217	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00131	J	0.00754	0.000961	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-1009-SA5A-SV-7.0-8.0	Split Sample	SVL-609-SA5A-SV-7.0-8.0	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56665-1	TestAmerica - Denver	Y	V	280-56665-1	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.019		0.015	0.0038	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	UJ	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-609	SVL-609-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 13:20	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	266852.42119	1786654.64425	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0019	J	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	UJ	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-616	SVL-616-SA5A-SV-6.5-7.5	Primary Sample	--	6/12/2014 10:03	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	267168.10430	1786684.50676	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0032	U	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	UJ	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0012	J	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0027	J	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-618	SVL-618-SA5A-SV-5.0-6.0	Primary Sample	--	6/12/2014 11:01	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	267387.66979	1786840.82390	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00085	J	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	UJ	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0047	U	0.0047	0.00087	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-619	SVL-619-SA5A-SV-4.5-5.5	Primary Sample	--	6/12/2014 10:33	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	267374.11212	1786666.31403	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0015	J	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0029	J	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.005		0.0032	0.00064	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.015		0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.081		0.0035	0.00069	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.024		0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.012		0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0031	J	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.17		0.038	0.0075	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.088		0.004	0.00079	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.024		0.0054	0.0011	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-622	SVL-622-SA5A-SV-6.0-7.0	Primary Sample	--	6/12/2014 11:25	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	267459.02198	1786788.11813	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-626-SA5A-SV-5.5-6.5	Primary Sample	--	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.011	J	0.02	0.011	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-626	SVL-926-SA5A-SV-5.5-6.5	Field Duplicate	SVL-626-SA5A-SV-5.5-6.5	6/12/2014 7:48	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	267486.27504	1786947.97265	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00067	J	0.0032	0.00064	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0059	U	0.0059	0.00087	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0038	U	0.0038	0.00075	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place
5ASV_DG-629	SVL-629-SA5A-SV-7.0-8.0	Primary Sample	--	6/12/2014 12:01	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1482106	Lancaster	Y	V	1482106	267542.67708	1787185.20208	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.055		0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.05		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.17		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.058		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0027	J	0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.28	J	0.0038	0.00075	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-503	SVL-503-SA5B-SV-7.0-8.0	Primary Sample	--	5/21/2014 15:50	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267351.26640	1784783.51700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.002	J	0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.024		0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.012	U	0.012	0.00087	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.008	U	0.008	0.00087	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0025	J	0.0038	0.00075	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.01		0.0056	0.0011	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-512	SVL-512-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 11:11	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267474.81890	1784961.44700	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00073	J	0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0056		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00082	J	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.026		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.012		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.026		0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0078		0.0038	0.00075	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0016	J	0.0056	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 12:47	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00089	J	0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0067	U	0.0067	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.014		0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0026	J	0.0038	0.00075	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0016	J	0.0056	0.0011	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-516-SA5B-SV-6.0-7.0	Primary Sample	--	5/21/2014 12:23	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0014	U	0.0075	0.0014	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00047	U	0.003	0.00047	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.001	U	0.0076	0.001	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0061	J	0.013	0.00059	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0011	U	0.003	0.0011	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00028	U	0.0022	0.00028	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00087	U	0.0022	0.00087	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00031	U	0.0022	0.00031	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0003	U	0.0018	0.0003	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00043	U	0.0035	0.00043	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0007	U	0.0015	0.0007	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00037	U	0.0027	0.00037	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00038	U	0.0022	0.00038	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00032	U	0.0027	0.00032	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0038	U	0.0038	0.00069	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.019	U	0.019	0.00095	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.017		0.0096	0.0016	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0076	U	0.0076	0.00075	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.025		0.0037	0.0005	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0068		0.0021	0.00056	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00055	U	0.0022	0.00055	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00041	U	0.003	0.00041	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0033	J	0.0062	0.0011	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-516	SVL-916-SA5B-SV-12.5-13.5	Split Sample	SVL-516-SA5B-SV-12.5-13.5	5/21/2014 12:55	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00062	U	0.0014	0.00062	14-05-1846	Calscience	Y	V	14-05-1846	267554.46750	1785034.40400	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.057		0.02	0.0054	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.03		0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	2.7		0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-13.0-14.0	Primary Sample	--	6/13/2014 8:59	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.071		0.02	0.0054	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.014	J	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	2.7		0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-525-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.053		0.02	0.0054	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	2.4		0.02	0.0053	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-825-SA5B-SV-8.0-9.0	Field Duplicate	SVL-525-SA5B-SV-8.0-9.0	6/13/2014 8:35	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0014	U	0.0074	0.0014	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.076		0.0029	0.00046	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.001	U	0.0074	0.001	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0046	J	0.012	0.00058	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0011	U	0.0029	0.0011	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0022		0.0022	0.00028	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00085	U	0.0021	0.00085	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0003	U	0.0022	0.0003	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0028		0.0017	0.00029	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00042	U	0.0034	0.00042	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00069	U	0.0014	0.00069	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00036	U	0.0026	0.00036	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00037	U	0.0021	0.00037	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0074	U	0.0074	0.00032	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0027		0.0023	0.00068	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.019	U	0.019	0.00093	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0094	U	0.0094	0.0016	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0011	J	0.0023	0.00073	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0067		0.0037	0.00049	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.002	U	0.002	0.00055	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00054	U	0.0021	0.00054	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.044		0.0029	0.0004	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Lab Repeat Analysis	EPA TO-15	Trichlorofluoromethane	1.2		0.025	0.0042	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-525	SVL-925-SA5B-SV-13.0-14.0	Split Sample	SVL-525-SA5B-SV-13.0-14.0	6/13/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00061	U	0.0014	0.00061	14-06-1132	Calscience	Y	V	14-06-1132	267391.48745	1785145.77292	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.041		0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.018		0.015	0.0038	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0048		0.004	0.00081	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0018	J	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0011	J	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.053		0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.012	U	0.012	0.00099	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.1		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00087	J	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.22		0.043	0.0087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.14		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0096		0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.32		0.038	0.0075	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0021	J	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	3.5		0.14	0.028	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-12.5-13.5	Primary Sample	--	5/21/2014 9:57	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.036		0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0066	J	0.015	0.0038	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0012	J	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.022		0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0011	J	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.087		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.23		0.043	0.0087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.12		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0054	J	0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.24		0.038	0.0075	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.96	J	1.1	0.22	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-526	SVL-526-SA5B-SV-5.0-6.0	Primary Sample	--	5/21/2014 9:15	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267403.40630	1785102.62200	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0035	J	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11		0.015	0.0038	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0022	J	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.005		0.0032	0.00064	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0012	J	0.0049	0.00098	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.068		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.23		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.081		0.0043	0.00087	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0028	J	0.0068	0.0014	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.18		0.0038	0.00075	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.002	J	0.0054	0.0011	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	1.9		1.1	0.22	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-530	SVL-530-SA5B-SV-6.75-7.75	Primary Sample	--	5/21/2014 14:31	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476964	Lancaster	Y	V	1476964	267359.58200	1784982.72900	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.2		0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	1.1		0.02	0.0053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-10.0-11.0	Primary Sample	--	6/4/2014 12:53	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.2	U	0.2	0.09	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.2	U	0.2	0.054	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.2	UJ	0.2	0.089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	7.9		0.2	0.12	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.2	U	0.2	0.063	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.2	U	0.2	0.062	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.2	U	0.2	0.072	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.2	U	0.2	0.11	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.2	U	0.2	0.041	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.2	U	0.2	0.12	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.2	U	0.2	0.16	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.2	UJ	0.2	0.06	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.2	U	0.2	0.094	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.2	U	0.2	0.11	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.2	U	0.2	0.03	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.2	U	0.2	0.1	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.2	U	0.2	0.08	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.2	U	0.2	0.089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.2	U	0.2	0.053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.2	UJ	0.2	0.043	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.2	U	0.2	0.039	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.2	U	0.2	0.12	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	10		0.2	0.053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-16.75-17.75	Primary Sample	--	6/4/2014 13:20	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.2	U	0.2	0.1	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.21		0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	1.1		0.02	0.0053	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-531	SVL-531-SA5B-SV-5.0-6.0	Primary Sample	--	6/4/2014 11:40	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267288.16802	1785018.03170	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-552-SA5B-SV-5.3-6.3	Primary Sample	--	6/5/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0013	U	0.0069	0.0013	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00043	U	0.0027	0.00043	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00095	U	0.0069	0.00095	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00054	U	0.011	0.00054	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0027	0.001	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00026	U	0.002	0.00026	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00079	U	0.002	0.00079	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00028	U	0.002	0.00028	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00027	U	0.0016	0.00027	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00039	U	0.0031	0.00039	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00064	U	0.0013	0.00064	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0019	J	0.0024	0.00034	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00035	U	0.002	0.00035	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0026		0.0025	0.00029	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00063	U	0.0022	0.00063	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.017	U	0.017	0.00086	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0014	U	0.0087	0.0014	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00068	U	0.0022	0.00068	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0011	J	0.0034	0.00046	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00082	J	0.0019	0.00051	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0005	U	0.002	0.0005	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00037	U	0.0027	0.00037	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.00096	U	0.0056	0.00096	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-552	SVL-952-SA5B-SV-5.3-6.3	Split Sample	SVL-552-SA5B-SV-5.3-6.3	6/5/2014 12:00	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00057	U	0.0013	0.00057	14-06-0556	Calscience	Y	V	14-06-0556	267296.81211	1785412.70839	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-555	SVL-555-SA5B-SV-7.2-8.2	Primary Sample	--	6/5/2014 13:02	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	267138.16526	1785281.41733	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.048	J	0.02	0.016	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-557-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-557	SVL-857-SA5B-SV-4.5-5.5	Field Duplicate	SVL-557-SA5B-SV-4.5-5.5	6/11/2014 8:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	267164.07344	1785536.96712	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00096	J	0.0032	0.00064	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00098	J	0.0049	0.00098	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0093		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.032		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.019	U	0.019	0.00087	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0064	J	0.0068	0.0014	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0047	U	0.0047	0.00075	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0023	J	0.0054	0.0011	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-560-SA5B-SV-7.0-8.0	Primary Sample	--	5/22/2014 14:30	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476965	Lancaster	Y	V	1476965	267089.42790	1785110.48700	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0013	U	0.0069	0.0013	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00043	U	0.0028	0.00043	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00095	U	0.0069	0.00095	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0044	J	0.012	0.00054	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0028	0.001	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00026	U	0.002	0.00026	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0008	U	0.002	0.0008	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00028	U	0.002	0.00028	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0019		0.0016	0.00027	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00039	U	0.0032	0.00039	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00064	U	0.0013	0.00064	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00034	U	0.0025	0.00034	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00035	U	0.002	0.00035	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.004	U	0.004	0.0003	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0059	U	0.0059	0.00064	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.018	U	0.018	0.00087	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.02	U	0.02	0.0015	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.011	U	0.011	0.00069	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0062		0.0034	0.00046	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.006	U	0.006	0.00051	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00051	U	0.002	0.00051	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0043		0.0027	0.00038	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0057	U	0.0057	0.00097	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-560	SVL-960-SA5B-SV-7.0-8.0	Split Sample	SVL-560-SA5B-SV-7.0-8.0	5/22/2014 14:38	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00057	U	0.0013	0.00057	14-05-1846	Calscience	Y	V	14-05-1846	267089.42790	1785110.48700	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.023		0.02	0.0053	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-561	SVL-561-SA5B-SV-9.0-10.0	Primary Sample	--	6/13/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267013.99262	1785061.15058	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0014	J	0.0032	0.00064	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.024		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.077		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.036		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0038	J	0.0068	0.0014	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.022	U	0.022	0.00075	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-5.0-6.0	Primary Sample	--	5/22/2014 12:09	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476965	Lancaster	Y	V	1476965	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.021		0.02	0.016	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0064	J	0.02	0.0043	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-562	SVL-562-SA5B-SV-8.0-9.0	Primary Sample	--	6/13/2014 10:05	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	267002.42770	1784996.21600	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.015	J	0.02	0.0054	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-567-SA5B-SV-4.5-5.5	Primary Sample	--	6/11/2014 8:56	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0104		0.00818	0.00177	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.00229	J	0.0174	0.00217	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00129	J	0.00868	0.00117	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00189	J	0.00754	0.000961	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-567	SVL-967-SA5B-SV-4.5-5.5	Split Sample	SVL-567-SA5B-SV-4.5-5.5	6/11/2014 9:01	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	266786.09649	1785104.52993	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-577	SVL-577-SA5B-SV-5.2-6.2	Primary Sample	--	6/11/2014 10:56	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266475.59593	1785400.60182	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-578	SVL-578-SA5B-SV-8.0-9.0	Primary Sample	--	6/6/2014 12:30	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266450.65285	1785486.62767	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-579	SVL-579-SA5B-SV-6.5-7.5	Primary Sample	--	6/11/2014 9:36	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266425.18846	1785570.62549	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-580-SA5B-SV-7.0-8.0	Primary Sample	--	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-580	SVL-880-SA5B-SV-7.0-8.0	Field Duplicate	SVL-580-SA5B-SV-7.0-8.0	6/18/2014 8:09	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266354.73446	1785489.58952	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-10.0-11.0	Primary Sample	--	6/9/2014 11:31	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-15.0-16.0	Primary Sample	--	6/9/2014 12:25	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.0054	J	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-20.0-21.0	Primary Sample	--	6/9/2014 12:49	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-584	SVL-584-SA5B-SV-5.0-6.0	Primary Sample	--	6/9/2014 11:03	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	267040.52845	1785593.31552	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.0088	J	0.02	0.008	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-590	SVL-590-SA5B-SV-6.0-7.0	Primary Sample	--	6/6/2014 9:27	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266878.07014	1785876.09500	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-593	SVL-593-SA5B-SV-5.0-6.0	Primary Sample	--	6/11/2014 10:21	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41101	EST	Y	V	3F41101	266693.83656	1785846.65870	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-594	SVL-594-SA5B-SV-5.0-6.0	Primary Sample	--	6/6/2014 10:18	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266719.90594	1785996.14955	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-599-SA5B-SV-8.0-9.0	Primary Sample	--	6/18/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-599	SVL-999-SA5B-SV-8.0-9.0	Split Sample	SVL-599-SA5B-SV-8.0-9.0	6/18/2014 9:18	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266502.81244	1785887.02876	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place
5BSV_DG-606	SVL-606-SA5B-SV-5.5-6.5	Primary Sample	--	6/6/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266353.55699	1785763.18212	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5BSV_DG-612	SVL-612-SA5B-SV-4.5-5.5	Primary Sample	--	6/6/2014 11:19	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266599.05617	1785879.09543	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.017	J	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-10.0-11.0	Primary Sample	--	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0054	J	0.02	0.0043	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-15.0-16.0	Primary Sample	--	6/2/2014 11:59	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.009	J	0.02	0.0043	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-505-SA5C-SV-5.0-6.0	Primary Sample	--	6/2/2014 10:52	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0076	J	0.02	0.0043	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-805-SA5C-SV-10.0-11.0	Field Duplicate	SVL-505-SA5C-SV-10.0-11.0	6/2/2014 11:24	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0014	U	0.0076	0.0014	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00047	U	0.003	0.00047	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.001	U	0.0076	0.001	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	J	0.013	0.00059	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0011	U	0.003	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00028	U	0.0022	0.00028	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00087	U	0.0022	0.00087	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00031	U	0.0022	0.00031	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0021		0.0018	0.0003	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00043	U	0.0035	0.00043	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0007	U	0.0015	0.0007	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00037	U	0.0027	0.00037	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00038	U	0.0022	0.00038	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0026	J	0.0027	0.00032	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0031		0.0024	0.00069	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.019	U	0.019	0.00095	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.01		0.0096	0.0016	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0035		0.0024	0.00075	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.00051	J	0.0037	0.0005	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0069		0.0021	0.00056	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00055	U	0.0022	0.00055	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00075	J	0.003	0.00041	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0016	J	0.0062	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-505	SVL-905-SA5C-SV-15.0-16.0	Split Sample	SVL-505-SA5C-SV-15.0-16.0	6/2/2014 12:08	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00062	U	0.0014	0.00062	14-06-0556	Calscience	Y	V	14-06-0556	266072.58827	1784889.86086	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-10.5-11.5	Primary Sample	--	6/3/2014 9:41	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0052	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-507-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-507	SVL-807-SA5C-SV-5.0-6.0	Field Duplicate	SVL-507-SA5C-SV-5.0-6.0	6/3/2014 9:15	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266198.56533	1785013.22654	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.014	J	0.02	0.008	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.011	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-508	SVL-508-SA5C-SV-8.25-9.25	Primary Sample	--	6/3/2014 10:14	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266137.85861	1785125.80727	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.0098	J	0.02	0.0053	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-13.0-14.0	Primary Sample	--	6/18/2014 11:53	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-511	SVL-511-SA5C-SV-7.0-8.0	Primary Sample	--	6/18/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266196.18098	1785436.76718	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-513	SVL-513-SA5C-SV-5.0-6.0	Primary Sample	--	6/18/2014 10:20	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266299.39837	1785425.35126	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-12.5-13.5	Primary Sample	--	6/10/2014 9:10	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-515-SA5C-SV-5.0-6.0	Primary Sample	--	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-815-SA5C-SV-5.0-6.0	Field Duplicate	SVL-515-SA5C-SV-5.0-6.0	6/10/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0014	U	0.0073	0.0014	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00045	U	0.0029	0.00045	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00099	U	0.0072	0.00099	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.018		0.012	0.00057	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0029	0.001	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00027	U	0.0021	0.00027	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00083	U	0.0021	0.00083	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00029	U	0.0021	0.00029	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00081	J	0.0017	0.00028	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00041	U	0.0033	0.00041	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00067	U	0.0014	0.00067	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00035	U	0.0026	0.00035	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00036	U	0.0021	0.00036	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00031	U	0.0026	0.00031	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00066	U	0.0023	0.00066	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.018	U	0.018	0.0009	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0091	U	0.0091	0.0015	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0023	U	0.0023	0.00071	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.012		0.0036	0.00048	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.002	U	0.002	0.00053	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00053	U	0.0021	0.00053	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00039	U	0.0028	0.00039	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0059	U	0.0059	0.001	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-515	SVL-915-SA5C-SV-12.5-13.5	Split Sample	SVL-515-SA5C-SV-12.5-13.5	6/10/2014 9:16	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0006	U	0.0013	0.0006	14-06-1132	Calscience	Y	V	14-06-1132	266431.03926	1785177.88601	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-11.0-12.0	Primary Sample	--	6/5/2014 11:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.021		0.02	0.0053	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.034		0.02	0.012	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-18.0-19.0	Primary Sample	--	6/6/2014 12:02	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-516	SVL-516-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 10:43	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266465.83647	1784990.30194	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0036	J	0.02	0.003	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.008	J	0.02	0.0043	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-10.5-11.5	Primary Sample	--	6/5/2014 9:06	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.014	J	0.02	0.008	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.012	J	0.02	0.0043	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-518	SVL-518-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 8:41	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266391.44518	1784705.51417	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.01	J	0.02	0.003	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.089		0.02	0.008	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.029		0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.099	J	0.02	0.0043	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-10.0-11.0	Primary Sample	--	6/6/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.035		0.02	0.008	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.014	J	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.026	UJ	0.026	0.0043	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-15.0-16.0	Primary Sample	--	6/6/2014 8:22	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-20.0-21.0	Primary Sample	--	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.017	J	0.02	0.0094	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.068		0.02	0.008	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.025		0.02	0.0089	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.04	J	0.02	0.0043	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-525-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 13:41	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	UJ	0.02	0.0063	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-825-SA5C-SV-20.0-21.0	Field Duplicate	SVL-525-SA5C-SV-20.0-21.0	6/6/2014 8:49	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40601	EST	Y	V	3F40601	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0015	U	0.0078	0.0015	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00049	U	0.0031	0.00049	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0011	U	0.0078	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00061	U	0.013	0.00061	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0011	U	0.0031	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00029	U	0.0023	0.00029	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0009	U	0.0023	0.0009	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00032	U	0.0023	0.00032	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.041		0.0018	0.00031	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00044	U	0.0036	0.00044	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00073	U	0.0015	0.00073	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00039	U	0.0028	0.00039	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0058		0.0023	0.00039	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00034	U	0.0028	0.00034	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.028		0.0025	0.00072	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00098	U	0.02	0.00098	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.29		0.0099	0.0017	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.1		0.0025	0.00077	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0031	J	0.0039	0.00052	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.32		0.0021	0.00058	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00058	U	0.0023	0.00058	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0027	J	0.0031	0.00043	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0011	U	0.0064	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-525	SVL-925-SA5C-SV-10.0-11.0	Split Sample	SVL-525-SA5C-SV-10.0-11.0	6/6/2014 7:56	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00065	U	0.0015	0.00065	14-06-0556	Calscience	Y	V	14-06-0556	266514.44632	1783999.50102	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.005	J	0.02	0.0043	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-528-SA5C-SV-5.5-6.5	Primary Sample	--	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.008	J	0.02	0.008	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.005	J	0.02	0.0043	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-528	SVL-828-SA5C-SV-5.5-6.5	Field Duplicate	SVL-528-SA5C-SV-5.5-6.5	6/5/2014 10:02	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266463.28598	1784581.26771	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-530-SA5C-SV-6.5-7.5	Primary Sample	--	5/29/2014 8:42	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0016	U	0.0088	0.0016	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00055	U	0.0035	0.00055	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0012	U	0.0089	0.0012	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00069	U	0.015	0.00069	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0013	U	0.0035	0.0013	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00033	U	0.0026	0.00033	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.001	U	0.0026	0.001	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00036	U	0.0026	0.00036	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00085	J	0.0021	0.00035	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0005	U	0.0041	0.0005	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00082	U	0.0017	0.00082	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00044	U	0.0031	0.00044	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.026		0.0026	0.00045	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00038	U	0.0032	0.00038	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0037		0.0028	0.00081	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.022	U	0.022	0.0011	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0054	J	0.011	0.0019	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0024	J	0.0028	0.00088	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.017		0.0044	0.00059	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0037		0.0024	0.00065	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00065	U	0.0026	0.00065	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.084		0.0035	0.00048	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0012	U	0.0072	0.0012	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-530	SVL-930-SA5C-SV-6.5-7.5	Split Sample	SVL-530-SA5C-SV-6.5-7.5	5/29/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00073	U	0.0016	0.00073	14-06-0002	Calscience	Y	V	14-06-0002	266619.90409	1784296.88210	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0056	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-10.0-11.0	Primary Sample	--	6/3/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.01	J	0.02	0.008	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.007	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-15.0-16.0	Primary Sample	--	6/3/2014 11:50	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.011	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-535-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 10:59	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0017	U	0.0089	0.0017	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.001	J	0.0035	0.00055	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0012	U	0.0089	0.0012	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.00069	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0013	U	0.0035	0.0013	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00033	U	0.0026	0.00033	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.001	U	0.0026	0.001	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00084	J	0.0026	0.00036	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.011		0.0021	0.00035	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0019	J	0.0041	0.0005	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00082	U	0.0017	0.00082	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0021	J	0.0031	0.00044	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00048	J	0.0026	0.00045	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0034		0.0032	0.00038	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0063		0.0028	0.00081	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.022	U	0.022	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.02		0.011	0.0019	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0071		0.0028	0.00088	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0085		0.0044	0.00059	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.017		0.0024	0.00065	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00065	U	0.0026	0.00065	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0018	J	0.0035	0.00048	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0062	J	0.0072	0.0012	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-535	SVL-935-SA5C-SV-15.0-16.0	Split Sample	SVL-535-SA5C-SV-15.0-16.0	6/3/2014 11:56	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00074	J	0.0016	0.00073	14-06-0556	Calscience	Y	V	14-06-0556	266524.33341	1784867.73916	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0048	J	0.02	0.003	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.01	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.035		0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-11.0-12.0	Primary Sample	--	6/3/2014 13:15	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.009	J	0.02	0.008	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.19		0.02	0.012	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-18.0-19.0	Primary Sample	--	6/4/2014 7:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.006	J	0.02	0.003	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.0098	J	0.02	0.008	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0096	J	0.02	0.0043	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-543	SVL-543-SA5C-SV-5.0-6.0	Primary Sample	--	6/3/2014 12:56	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266718.86934	1784783.31433	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.014	J	0.02	0.0043	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.036		0.02	0.0053	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-549	SVL-549-SA5C-SV-6.0-7.0	Primary Sample	--	6/13/2014 10:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41301	EST	Y	V	3F41301	266899.56303	1784818.13454	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-13.0-14.0	Primary Sample	--	6/5/2014 7:58	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place
5CSV_DG-554	SVL-554-SA5C-SV-5.0-6.0	Primary Sample	--	6/5/2014 7:39	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40501	EST	Y	V	3F40501	266831.17272	1784495.70382	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.012	J	0.02	0.0053	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-561	SVL-561-SA5C-SV-5.5-6.0	Primary Sample	--	6/10/2014 9:44	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41001	EST	Y	V	3F41001	267054.69968	1784777.91981	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-10.0-11.0	Primary Sample	--	6/4/2014 8:51	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.017	J	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-15.0-16.0	Primary Sample	--	6/4/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-20.0-21.0	Primary Sample	--	6/4/2014 9:29	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-30.0-31.0	Primary Sample	--	6/4/2014 9:49	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-40.0-41.0	Primary Sample	--	6/4/2014 10:10	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-570-SA5C-SV-5.0-6.0	Primary Sample	--	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-870-SA5C-SV-5.0-6.0	Field Duplicate	SVL-570-SA5C-SV-5.0-6.0	6/4/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40401	EST	Y	V	3F40401	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0015	U	0.0082	0.0015	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0014	J	0.0033	0.00052	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0011	U	0.0082	0.0011	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0022	J	0.014	0.00065	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0029	J	0.0033	0.0012	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0011	J	0.0024	0.00031	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00095	U	0.0024	0.00095	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0011	J	0.0024	0.00033	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.011		0.0019	0.00032	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0017	J	0.0038	0.00047	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00076	U	0.0016	0.00076	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0018	J	0.0029	0.00041	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00093	J	0.0024	0.00042	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0036		0.003	0.00035	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0064		0.0026	0.00075	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.021	U	0.021	0.001	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.02		0.01	0.0017	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0085		0.0026	0.00081	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0027	J	0.0041	0.00055	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.011	U	0.011	0.00061	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00075	J	0.0024	0.00061	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0018	J	0.0032	0.00045	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0019	J	0.0067	0.0012	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-570	SVL-970-SA5C-SV-40.0-41.0	Split Sample	SVL-570-SA5C-SV-40.0-41.0	6/4/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0009	J	0.0015	0.00068	14-06-0556	Calscience	Y	V	14-06-0556	267276.74030	1784587.50243	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5CSV_DG-572	SVL-572-SA5C-SV-6.8-7.8	Primary Sample	--	5/29/2014 13:39	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266478.05186	1784162.79135	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0044	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.011	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-13.0-14.0	Primary Sample	--	5/27/2014 9:09	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.054		0.02	0.016	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.004	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.007	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-18.0-19.0	Primary Sample	--	5/27/2014 9:42	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.025		0.02	0.003	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.079		0.02	0.008	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.036		0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.12	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-502-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.057		0.02	0.008	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.024		0.02	0.0089	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.1	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-802-SA5D-SV-5.0-6.0	Field Duplicate	SVL-502-SA5D-SV-5.0-6.0	5/27/2014 8:32	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0013	U	0.0069	0.0013	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00043	U	0.0027	0.00043	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00095	U	0.0069	0.00095	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0032	J	0.011	0.00054	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0027	0.001	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00026	U	0.002	0.00026	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00079	U	0.002	0.00079	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00028	U	0.002	0.00028	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.018		0.0016	0.00027	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0011	J	0.0031	0.00039	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00064	U	0.0013	0.00064	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00034	U	0.0024	0.00034	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00035	U	0.002	0.00035	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0031		0.0025	0.00029	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0031		0.0022	0.00063	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.017	U	0.017	0.00086	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0075	J	0.0087	0.0014	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0033		0.0022	0.00068	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.00088	J	0.0034	0.00046	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.019		0.0019	0.00051	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0005	U	0.002	0.0005	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00037	U	0.0027	0.00037	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0068		0.0056	0.00096	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-502	SVL-946-SA5D-SV-10.0-11.0	Split Sample	SVL-546-SA5D-SV-10.0-11.0	5/30/2014 8:25	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00057	U	0.0013	0.00057	14-06-0002	Calscience	Y	V	14-06-0002	266315.76910	1784284.74200	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.024	U	0.024	0.012	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-510	SVL-510-SA5D-SV-7.5-8.5	Primary Sample	--	5/28/2014 12:50	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	265988.08560	1784283.08700	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 9:46	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-511	SVL-511-SA5D-SV-9.5-10.5	Primary Sample	--	5/28/2014 10:19	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266061.46650	1784299.45400	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.099		0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.071		0.02	0.008	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.018	J	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.16	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-11.0-12.0	Primary Sample	--	5/27/2014 13:03	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.026		0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.015	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-16.75-17.75	Primary Sample	--	5/27/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.11		0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.01	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.041		0.02	0.008	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.014	J	0.02	0.0089	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.035	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place
5DSV_DG-512	SVL-512-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 12:32	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266147.07860	1784304.56000	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.4	U	0.4	0.18	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.4	UJ	0.4	0.11	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.4	U	0.4	0.18	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	86		0.4	0.24	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.4	U	0.4	0.13	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.4	U	0.4	0.12	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.4	U	0.4	0.14	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.4	U	0.4	0.21	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.4	U	0.4	0.081	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.4	U	0.4	0.23	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.4	U	0.4	0.32	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.4	U	0.4	0.12	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.4	U	0.4	0.19	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.4	UJ	0.4	0.22	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.4	U	0.4	0.06	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.4	U	0.4	0.21	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.4	U	0.4	0.16	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.4	U	0.4	0.18	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.12	J	0.4	0.11	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.088	J	0.4	0.085	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.4	U	0.4	0.078	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.4	U	0.4	0.23	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.4	U	0.4	0.11	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-10.0-11.0	Primary Sample	--	5/27/2014 10:45	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.4	U	0.4	0.2	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.4		0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.023		0.02	0.0072	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0078	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.01	J	0.02	0.0089	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.024	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-15.5-16.5	Primary Sample	--	5/27/2014 11:22	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0072	J	0.02	0.003	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.023	U	0.023	0.008	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.012	J	0.02	0.0089	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	UJ	0.02	0.0053	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.016	J	0.02	0.0043	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-513	SVL-513-SA5D-SV-5.0-6.0	Primary Sample	--	5/27/2014 10:15	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42701	EST	Y	V	3E42701	266207.41130	1784296.96800	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0086	J	0.02	0.003	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.028		0.02	0.008	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.055	UJ	0.055	0.0043	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-12.5-13.8	Primary Sample	--	5/28/2014 8:57	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-515-SA5D-SV-5.0-6.0	Primary Sample	--	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-815-SA5D-SV-5.0-6.0	Field Duplicate	SVL-515-SA5D-SV-5.0-6.0	5/28/2014 8:16	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0013	U	0.0069	0.0013	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00043	U	0.0027	0.00043	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00095	U	0.0069	0.00095	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.011	U	0.011	0.00054	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0027	0.001	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00026	U	0.002	0.00026	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.00079	U	0.002	0.00079	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00028	U	0.002	0.00028	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0027		0.0016	0.00027	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00039	U	0.0031	0.00039	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00064	U	0.0013	0.00064	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00034	U	0.0024	0.00034	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00035	U	0.002	0.00035	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0029		0.0025	0.00029	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.01		0.0022	0.00063	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.017	U	0.017	0.00086	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.035		0.0087	0.0014	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.01		0.0022	0.00068	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.00046	U	0.0034	0.00046	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.082		0.0019	0.00051	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.0005	U	0.002	0.0005	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00037	U	0.0027	0.00037	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0024	J	0.0056	0.00096	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-515	SVL-915-SA5D-SV-12.5-13.8	Split Sample	SVL-515-SA5D-SV-12.5-13.8	5/28/2014 9:05	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00057	U	0.0013	0.00057	14-06-0002	Calscience	Y	V	14-06-0002	266142.69810	1784363.26100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.024	U	0.024	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
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Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-14.0-15.0	Primary Sample	--	5/28/2014 11:26	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-516	SVL-516-SA5D-SV-6.0-7.0	Primary Sample	--	5/28/2014 10:55	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	266056.68450	1784367.71100	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	3		0.02	0.012	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.008	J	0.02	0.003	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.027		0.02	0.008	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.03	UJ	0.03	0.0043	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-519	SVL-519-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 9:30	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265994.57863	1784495.12779	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.011	J	0.02	0.003	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.031		0.02	0.008	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.01	J	0.02	0.0089	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.044	UJ	0.044	0.0043	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-526	SVL-526-SA5D-SV-7.5-8.5	Primary Sample	--	5/29/2014 10:12	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266230.48057	1784766.24950	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-530	SVL-530-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 10:46	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266017.20316	1784746.22938	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-531	SVL-531-SA5D-SV-5.0-6.0	Primary Sample	--	5/29/2014 11:20	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	266031.95400	1784667.62242	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-4.5-5.5	Primary Sample	--	5/29/2014 12:29	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0052	J	0.02	0.003	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.014	J	0.02	0.008	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-539	SVL-539-SA5D-SV-8.5-9.5	Primary Sample	--	5/29/2014 13:00	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265818.75438	1784624.21460	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.015	J	0.02	0.003	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.06		0.02	0.008	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.024		0.02	0.0089	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.039	UJ	0.039	0.0043	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-10.0-11.0	Primary Sample	--	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.019	J	0.02	0.003	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.052		0.02	0.008	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.029		0.02	0.0089	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.07	J	0.02	0.0043	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-544-SA5D-SV-4.5-5.5	Primary Sample	--	5/28/2014 13:25	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42801	EST	Y	V	3E42801	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	UJ	0.02	0.0072	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.013	J	0.02	0.003	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.047		0.02	0.008	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.013	J	0.02	0.0089	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.034	UJ	0.034	0.0043	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-544	SVL-844-SA5D-SV-10.0-11.0	Field Duplicate	SVL-544-SA5D-SV-10.0-11.0	5/29/2014 7:50	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E42901	EST	Y	V	3E42901	265918.23590	1784236.86600	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-10.0-11.0	Primary Sample	--	5/30/2014 8:19	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-16.0-17.0	Primary Sample	--	5/30/2014 11:21	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.011	J	0.02	0.008	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-546-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.0094	J	0.02	0.008	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-546	SVL-846-SA5D-SV-5.0-6.0	Field Duplicate	SVL-546-SA5D-SV-5.0-6.0	5/30/2014 7:46	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265891.09562	1783886.78422	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.0088	J	0.02	0.003	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.03		0.02	0.008	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.028	J	0.02	0.0043	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-11.0-12.0	Primary Sample	--	5/30/2014 10:07	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.006	J	0.02	0.003	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.023		0.02	0.008	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-17.0-18.0	Primary Sample	--	5/30/2014 10:42	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-550	SVL-550-SA5D-SV-5.0-6.0	Primary Sample	--	5/30/2014 9:39	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3E43001	EST	Y	V	3E43001	265762.35098	1784126.97494	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.037		0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-14.0-15.0	Primary Sample	--	6/9/2014 9:50	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-19.0-20.0	Primary Sample	--	6/9/2014 10:27	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.021		0.02	0.016	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.011	J	0.02	0.0043	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-553-SA5D-SV-9.0-10.0	Primary Sample	--	6/9/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-853-SA5D-SV-4.5-5.5	Field Duplicate	SVL-553-SA5D-SV-4.5-5.5	6/9/2014 8:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0013	U	0.0069	0.0013	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00043	U	0.0028	0.00043	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.00095	U	0.0069	0.00095	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00054	U	0.012	0.00054	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.001	U	0.0028	0.001	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00026	U	0.002	0.00026	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0008	U	0.002	0.0008	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.00028	U	0.002	0.00028	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.029		0.0016	0.00027	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.00039	U	0.0032	0.00039	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.00064	U	0.0013	0.00064	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.017		0.0025	0.00034	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00035	U	0.002	0.00035	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0029		0.0025	0.0003	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0045		0.0022	0.00064	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.018	U	0.018	0.00087	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.01		0.0088	0.0015	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0049		0.0022	0.00069	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0037		0.0034	0.00046	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.023		0.0019	0.00051	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00051	U	0.002	0.00051	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00038	U	0.0027	0.00038	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0019	J	0.0057	0.00097	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-553	SVL-953-SA5D-SV-9.0-10.0	Split Sample	SVL-553-SA5D-SV-9.0-10.0	6/9/2014 9:14	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00057	U	0.0013	0.00057	14-06-1132	Calscience	Y	V	14-06-1132	265448.55805	1784530.37320	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	UJ	0.02	0.006	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0076	J	0.02	0.0043	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
5DSV_DG-556	SVL-556-SA5D-SV-4.5-5.5	Primary Sample	--	6/9/2014 13:40	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40901	EST	Y	V	3F40901	265400.70002	1785051.17870	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.041		0.02	0.0054	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.0066	J	0.02	0.0043	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	2.9	UJ	2.9	0.0053	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-10.0-11.0	Primary Sample	--	6/12/2014 10:36	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.1	U	0.1	0.045	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.062	J	0.1	0.027	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.1	UJ	0.1	0.045	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.1	U	0.1	0.059	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.1	U	0.1	0.031	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.1	U	0.1	0.031	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.1	U	0.1	0.036	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.1	U	0.1	0.053	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.1	U	0.1	0.02	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.1	U	0.1	0.058	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.1	U	0.1	0.08	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.1	U	0.1	0.03	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.1	U	0.1	0.047	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.1	UJ	0.1	0.055	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.1	U	0.1	0.015	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.1	U	0.1	0.052	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.1	U	0.1	0.04	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.1	U	0.1	0.044	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.1	U	0.1	0.027	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.1	UJ	0.1	0.021	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.1	U	0.1	0.019	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.1	U	0.1	0.058	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	4.5	UJ	4.5	0.027	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-15.0-16.0	Primary Sample	--	6/12/2014 11:07	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.1	U	0.1	0.051	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.031		0.02	0.0054	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	1.1	UJ	1.1	0.0053	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-509	SVL-509-SA6-SV-5.0-6.0	Primary Sample	--	6/12/2014 10:04	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268332.96848	1786184.81938	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-515	SVL-515-SA6-SV-7.9-8.9	Primary Sample	--	6/12/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268456.87685	1786500.60384	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	UJ	0.02	0.011	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-528-SA6-SV-5.5-6.5	Primary Sample	--	6/12/2014 8:38	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41201	EST	Y	V	3F41201	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0111	J	0.0153	0.00625	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.00278	J	0.0174	0.00217	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00141	J	0.00868	0.00117	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00182	J	0.00754	0.000961	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-528	SVL-928-SA6-SV-5.5-6.5	Split Sample	SVL-528-SA6-SV-5.5-6.5	6/12/2014 8:48	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56666-1	TestAmerica - Denver	Y	V	280-56666-1	268148.70689	1786744.81426	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-543	SVL-543-SA6-SV-7.5-8.5	Primary Sample	--	6/19/2014 11:35	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	268232.19223	1787203.27029	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-10.0-11.0	Primary Sample	--	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-544-SA6-SV-5.0-6.0	Primary Sample	--	6/13/2014 10:56	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place
6SV_DG-544	SVL-844-SA6-SV-10.0-11.0	Field Duplicate	SVL-544-SA6-SV-10.0-11.0	6/13/2014 11:22	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268305.33872	1787022.83625	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00871		0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00256	J	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0067	J	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00277	J	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0112		0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
6SV_DG-551	SVL-551-SA6-SV-4.5-5.5	Primary Sample	--	6/13/2014 10:16	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	268387.43413	1787425.32424	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00145	J	0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-12.0-13.0	Primary Sample	--	6/13/2014 9:24	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	UJ	0.0159	0.00143	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0174	U	0.0174	0.00217	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00868	U	0.00868	0.00117	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00754	U	0.00754	0.000961	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0107	U	0.0107	0.00282	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
7SV_DG-503	SVL-503-SA7-SV-7.0-8.0	Primary Sample	--	6/13/2014 8:53	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56667-1	TestAmerica - Denver	Y	V	280-56667-1	267351.26640	1784783.51700	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.032		0.02	0.012	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-502	SVL-502-SA8-SV-4.45-5.45	Primary Sample	--	6/19/2014 11:09	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266424.60305	1783272.93034	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.11	J	0.02	0.0054	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.54		0.02	0.012	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.16		0.02	0.0072	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.44		0.02	0.012	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.079	J	0.02	0.0053	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-503	SVL-503-SA8-SV-4.5-5.5	Primary Sample	--	6/3/2014 7:55	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266439.91591	1783156.74170	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.002	J	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0052	J	0.015	0.0038	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.014		0.004	0.00079	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0017	J	0.0032	0.00064	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.009		0.0049	0.00098	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0043	U	0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0045	U	0.0045	0.00075	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.3		0.0054	0.0011	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-506	SVL-506-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 10:05	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476965	Lancaster	Y	V	1476965	266203.38700	1782986.22600	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0096		0.004	0.00081	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0056		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.072		0.0063	0.0013	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.28		0.049	0.0098	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.0033	J	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.016		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.063		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.023		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.057		0.0068	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.043		0.0038	0.00075	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	1.6		0.054	0.011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-512-SA8-SV-8.0-9.0	Primary Sample	--	5/23/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.0088		0.004	0.00081	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0063		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.06		0.0063	0.0013	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.19		0.049	0.0098	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.003	J	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.011		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.047		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.017		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.053		0.0068	0.0014	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.035		0.0038	0.00075	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	1.3		0.054	0.011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-512	SVL-812-SA8-SV-8.0-9.0	Field Duplicate	SVL-512-SA8-SV-8.0-9.0	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	266113.70240	1783127.83100	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0014	J	0.0032	0.00064	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.014		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.062		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.024		0.0043	0.00087	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.033		0.0038	0.00075	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-515	SVL-515-SA8-SV-6.0-7.0	Primary Sample	--	5/22/2014 10:50	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476965	Lancaster	Y	V	1476965	266133.90970	1782664.05200	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.05		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0031	J	0.0049	0.00098	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.045		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.16		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.065		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0029	J	0.0068	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.2		0.0038	0.00075	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-10.0-11.0	Primary Sample	--	5/23/2014 8:44	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0036		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	J	0.0049	0.00098	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0052		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.019		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.01		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.0068	U	0.0068	0.00075	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-15.5-16.5	Primary Sample	--	5/23/2014 9:02	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0056		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.018		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.076		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.031		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.056		0.0038	0.00075	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-517	SVL-517-SA8-SV-5.0-6.0	Primary Sample	--	5/23/2014 8:23	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	265977.17490	1783212.00800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0014	J	0.004	0.00079	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0017	J	0.0032	0.00064	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0012	J	0.0049	0.00098	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.0059	U	0.0059	0.00087	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.025	U	0.025	0.00087	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.013	U	0.013	0.00087	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0068	U	0.0068	0.0014	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.015	U	0.015	0.00075	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-519	SVL-519-SA8-SV-7.0-8.0	Primary Sample	--	5/22/2014 8:49	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476965	Lancaster	Y	V	1476965	265970.00100	1783036.82800	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.0052		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0049	U	0.0049	0.00098	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.001	J	0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.0043	U	0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.0043	U	0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0035	J	0.0068	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.005	U	0.005	0.00075	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0027	J	0.0054	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-10.5-11.5	Primary Sample	--	5/23/2014 10:59	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0069	U	0.0069	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.015	U	0.015	0.0038	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0055	U	0.0055	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.004	U	0.004	0.00081	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.061		0.0032	0.00064	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0063	U	0.0063	0.0013	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0026	U	0.0026	0.00053	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.0016	J	0.0049	0.00098	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.0049	U	0.0049	0.00099	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.048		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.0035	U	0.0035	0.00069	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.1		0.043	0.0087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.076		0.0043	0.00087	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0043	J	0.0068	0.0014	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.14		0.038	0.0075	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.004	U	0.004	0.00079	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.0054	U	0.0054	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0056	U	0.0056	0.0011	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-524	SVL-524-SA8-SV-4.5-5.5	Primary Sample	--	5/23/2014 10:36	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.0026	U	0.0026	0.00051	1476966	Lancaster	Y	V	1476966	265808.00970	1783230.34700	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.011	J	0.02	0.008	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-11.0-12.0	Primary Sample	--	6/2/2014 9:35	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-18.5-19.5	Primary Sample	--	6/2/2014 9:58	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	UJ	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	UJ	0.02	0.0062	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-528	SVL-528-SA8-SV-5.0-6.0	Primary Sample	--	6/2/2014 9:08	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40201	EST	Y	V	3F40201	265962.37932	1783562.33720	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-4.5-5.5	Primary Sample	--	6/18/2014 12:57	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-529	SVL-529-SA8-SV-8.5-9.5	Primary Sample	--	6/18/2014 13:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41801	EST	Y	V	3F41801	266120.54825	1783255.83172	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-531-SA8-SV-4.5-5.5	Primary Sample	--	6/19/2014 9:28	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266222.26179	1783461.53419	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,1,2-Tetrachloroethane	0.0137	U	0.0137	0.00103	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,1-Trichloroethane	0.00818	U	0.00818	0.00177	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2,2-Tetrachloroethane	0.0137	U	0.0137	0.00237	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloro-1,2,2-trifluoroethane	0.0153	U	0.0153	0.00625	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1,2-Trichloroethane	0.0109	U	0.0109	0.00183	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethane	0.00607	U	0.00607	0.00146	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,1-Dichloroethene	0.0159	U	0.0159	0.00143	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	1,2-Dichloroethane	0.0162	U	0.0162	0.00178	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Benzene	0.00639	U	0.00639	0.00126	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Carbon Tetrachloride	0.0252	U	0.0252	0.00201	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Chloroethane	0.0106	U	0.0106	0.00406	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Chloroform	0.00732	U	0.00732	0.00232	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	cis-1,2-Dichloroethene	0.00793	U	0.00793	0.00176	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Dichlorodifluoromethane	0.00989	U	0.00989	0.00359	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Ethylbenzene	0.00868	U	0.00868	0.00137	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Methylene chloride	0.00695	U	0.00695	0.00125	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	m-Xylene & p-Xylene	0.00333	J	0.0174	0.00217	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	o-Xylene	0.00189	J	0.00868	0.00117	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Tetrachloroethene	0.0136	U	0.0136	0.00173	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Toluene	0.00287	J	0.00754	0.000961	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	trans-1,2-Dichloroethene	0.00793	U	0.00793	0.00198	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Trichloroethene	0.00476	J	0.0107	0.00282	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Trichlorofluoromethane	0.0112	U	0.0112	0.00551	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-531	SVL-931-SA8-SV-4.5-5.5	Split Sample	SVL-531-SA8-SV-4.5-5.5	6/19/2014 9:34	Soil Vapor	Primary Result	EPA TO-15	Vinyl chloride	0.00511	U	0.00511	0.00153	280-56908-1	TestAmerica - Denver	Y	V	280-56908-1	266222.26179	1783461.53419	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	UJ	0.02	0.0054	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	UJ	0.02	0.012	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	UJ	0.02	0.0094	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	UJ	0.02	0.01	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	U	0.02	0.008	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	UJ	0.02	0.0039	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	UJ	0.02	0.0053	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-534	SVL-834-SA8-SV-6.0-7.0	Primary Sample	--	6/3/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F40301	EST	Y	V	3F40301	266353.92639	1783728.76231	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-543-SA8-SV-6.25-7.25	Primary Sample	--	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-543	SVL-843-SA8-SV-6.25-7.25	Field Duplicate	SVL-543-SA8-SV-6.25-7.25	6/19/2014 8:34	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266258.04798	1783941.37790	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1,1,2-Tetrachloroethane	0.02	U	0.02	0.009	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1,1-Trichloroethane	0.02	U	0.02	0.0054	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1,2,2-Tetrachloroethane	0.02	UJ	0.02	0.0089	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1,2-Trichloroethane	0.02	U	0.02	0.0063	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethane	0.02	U	0.02	0.0062	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,1-Dichloroethene	0.02	U	0.02	0.0072	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	1,2-Dichloroethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Benzene	0.02	U	0.02	0.0041	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Carbon Tetrachloride	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Chloroethane	0.02	U	0.02	0.016	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Chloroform	0.02	U	0.02	0.006	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	cis-1,2-Dichloroethene	0.02	U	0.02	0.0094	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Dichlorodifluoromethane	0.02	U	0.02	0.011	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Ethylbenzene	0.02	U	0.02	0.003	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Methylene chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	m-Xylene & p-Xylene	0.02	UJ	0.02	0.008	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	o-Xylene	0.02	U	0.02	0.0089	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Tetrachloroethene	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Toluene	0.02	UJ	0.02	0.0043	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	trans-1,2-Dichloroethene	0.02	U	0.02	0.0039	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Trichloroethene	0.02	U	0.02	0.012	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Trichlorofluoromethane	0.02	U	0.02	0.0053	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place
8SV_DG-545	SVL-545-SA8-SV-6.75-7.25	Primary Sample	--	6/19/2014 10:37	Soil Vapor	Primary Result	EPA 8260B	Vinyl chloride	0.02	U	0.02	0.01	3F41901	EST	Y	V	3F41901	266894.12792	1783657.12099	In Place

Acronyms:
"--" - not applicable
EPA - Environmental Protection Agency
MDL - method detection limit
µg/L - micrograms per liter

TABLE B-1
PHASE 3 SOIL VAPOR RESULTS
SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

Object Name	Sample Name	Sample Type	Parent Sample Name	Collection Date	Matrix Type	Result Type	Analysis Method	Compound	Result Value (µg/L)	Project Qualifier Code	PQL (µg/L)	MDL (µg/L)	SDG	Lab Name	Validated	Validation Level	Validation Report Identifier	Northing	Easting	Remediation Status

PQL - practical quanititation limit

SDG - sample delivery group

Y - yes

Notes:

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ - The analyte was not deemed above the reported sample quanitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

APPENDIX C

ANALYTICAL LABORATORY REPORTS

SOIL GAS SURVEY
SANTA SUSANA FIELD LABORATORY:
DEPARTMENT OF ENERGY
5800 WOOLSEY CANYON ROAD
CANOGA PARK, CA

LEVEL IV DATA PACKAGE

MWH AMERICAS
2121 NORTH CALIFORNIA BLVD.
SUITE 600
WALNUT CREEK, CA

EST2754
May 27, 2014

EST
ENVIRONMENTAL SUPPORT TECHNOLOGIES

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10 Raw Data for QC Samples and Initial Calibration, Duplicate Samples (DS)

11 Raw Data for QC Samples and Initial Calibration, Laboratory Control Samples (LCS)

12 Raw Data for QC Samples and Initial Calibration, Blank

13 Raw Data for Analyzed Samples Including Chromatograms, Quantitation Reports and Spectra

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
16510 Aston St., Irvine, CA 92606 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: MWH Americas
Address: 250 North Madison Avenue
Pasadena, Ca
Project Manager: Sarah Von Raesfield

Sampler Name: Ashley Flores
EST Project#: **EST2754** Custody Seals: _____
Site Location: SSFL
Phone: ( ) Email:

Turnaround Time:
(Check one)

Normal:

Rush: X

Sample Receipt

Intact: Yes: X No:

On Ice: Yes: No: X N/A

Custody Seals: Yes: No: X

N/A (Received on Site):

Sample Name	Sample Matrix	Container Type	# of Container	Sampling Date	Sampling Time	Preservative Type	Purge Volume (ml)	Vacuum (inches of H_2O)	8260B VOC's 0.02 RL						Special Instructions
Equipment Blank	Air	Glass Bulb	1	5/27/2014	910	Surr			X						
SVL-502-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/27/2014	832	Surr			X						Bulb # 11
SVL-802-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/27/2014	832	Surr			X						Bulb # 7
SVL-502-SA5D-SV-13.0-14.0	Air	Glass Bulb	1	5/27/2014	909	Surr			X						Bulb # 5
SVL-502-SA5D-SV-18.0-19.0	Air	Glass Bulb	1	5/27/2014	942	Surr			X						Bulb # 6
SVL-513-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/27/2014	1015	Surr			X						Bulb # 1
SVL-513-SA5D-SV-10.0-11.0	Air	Glass Bulb	1	5/27/2014	1045	Surr			X						Bulb # 8
SVL-513-SA5D-SV-15.5-16.5	Air	Glass Bulb	1	5/27/2014	1122	Surr			X						Bulb # 9
SVL-512-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/27/2014	1232	Surr			X						Bulb # 3
SVL-512-SA5D-SV-11.0-12.0	Air	Glass Bulb	1	5/27/2014	1303	Surr			X						Bulb # 10
SVL-512-SA5D-SV-16.75-17.75	Air	Glass Bulb	1	5/27/2014	1334	Surr			X						Bulb # 13
FB-052714	Air	Glass Bulb	1	5/27/2014	1400	Surr			X						Bulb # 12

Relinquished by: (Signature) Date/Time: 05/27/14

Received by: Date/Time:

Relinquished by: (Signature) Date/Time:

Received by: Date/Time:

SAMPLE RESULTS WITH ANALYSIS AND EXTRACTIONS PREPARATION DATES

June 03, 2014

Sarah Von Raesfield

MWH Americas, Inc.

250 No. Madison Avenue

Pasadena, CA 91107

RE: Santa Susana Field Laboratory, Canoga Park

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies laboratory on 05/27/14 17:36. The analyses were performed according to the prescribed method as outlined by EPA 8260B. A shut in test was performed, leak test was performed, equipment blank was run, and selected purge volume was 3PV. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Ashley Flores

Ashley Flores

Project Manager

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 2772, 2773, and 2767.

16510 Aston Street, Irvine, California 92606
Telephone: (949) 679-9500 Fax: (949) 679-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
Equipment Blank	3E42701-01	Air	27-May-14 09:10	27-May-14 09:29
SLV-502-SA5D-SV-5.0-6.0	3E42701-02	Air	27-May-14 08:32	27-May-14 09:58
SLV-802-SA5D-SV-5.0-6.0	3E42701-03	Air	27-May-14 08:32	27-May-14 10:57
SLV-502-SA5D-SV-13.0-14.0	3E42701-04	Air	27-May-14 09:09	27-May-14 11:32
SLV-502-SA5D-SV-18.0-19.0	3E42701-05	Air	27-May-14 09:42	27-May-14 12:03
SLV-513-SA5D-SV-5.0-6.0	3E42701-06	Air	27-May-14 08:32	27-May-14 12:33
SLV-513-SA5D-SV-10.0-11.0	3E42701-07	Air	27-May-14 10:45	27-May-14 13:31
SLV-513-SA5D-SV-15.5-16.5	3E42701-08	Air	27-May-14 11:22	27-May-14 14:34
SLV-512-SA5D-SV-5.0-6.0	3E42701-09	Air	27-May-14 12:32	27-May-14 15:05
SLV-512-SA5D-SV-11.0-12.0	3E42701-10	Air	27-May-14 13:03	27-May-14 15:35
SLV-512-SA5D-SV-16.75-17.75	3E42701-11	Air	27-May-14 13:34	27-May-14 16:04
FB-052714	3E42701-12	Air	27-May-14 14:00	27-May-14 17:01

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

16510 Aston Street, Irvine, California 92606
Telephone: (949) 679-9500 Fax: (949) 679-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Equipment Blank (3E42701-01) Air Sampled: 05/27/14 09:10 Analyzed: 05/27/14 09:29									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*95.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*97.9 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*104 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*101 %*		*70-140*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-502-SA5D-SV-5.0-6.0 (3E42701-02) Air Sampled: 05/27/14 08:32 Analyzed: 05/27/14 09:58									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.025**	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.036**	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.079**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.12**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*89.3 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*97.0 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*94.4 %*		*70-140*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-802-SA5D-SV-5.0-6.0 (3E42701-03) Air Sampled: 05/27/14 08:32 Analyzed: 05/27/14 10:57									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.020**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.024**	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.057**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.10**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*89.7 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*97.5 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*96.6 %*		*70-140*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-502-SA5D-SV-13.0-14.0 (3E42701-04) Air	**Sampled: 05/27/14 09:09**		**Analyzed: 05/27/14 11:32**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0044**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.011**	0.020	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.011**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	
Surrogate: Benzene-d6		*82.9 %*	*70-140*		"	"	"	"	
Surrogate: Chloroform-d		*89.3 %*	*70-140*		"	"	"	"	
Surrogate: Methylene chloride-d2		*88.2 %*	*70-140*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-502-SA5D-SV-18.0-19.0 (3E42701-05) Air	**Sampled: 05/27/14 09:42**		**Analyzed: 05/27/14 12:03**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	**0.054**	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0040**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.012**	0.020	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.0070**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	
Surrogate: Benzene-d6		*90.6 %*	*70-140*		"	"	"	"	
Surrogate: Chloroform-d		*97.8 %*	*70-140*		"	"	"	"	
Surrogate: Methylene chloride-d2		*97.1 %*	*70-140*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-513-SA5D-SV-5.0-6.0 (3E42701-06) Air Sampled: 05/27/14 08:32 Analyzed: 05/27/14 12:33									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0072**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.012**	0.020	"	"	"	"	"	"	J
meta- and para-Xylenes	**0.023**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.016**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*87.5 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*80.6 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*85.7 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*82.6 %*		*70-140*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-513-SA5D-SV-10.0-11.0 (3E42701-07) Air	**Sampled: 05/27/14 10:45**		**Analyzed: 05/27/14 13:31**						
1,1,1,2-Tetrachloroethane	ND	0.40	ug/l	20	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**86**	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.40	"	"	"	"	"	"	
Benzene	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.40	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.40	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
Methylene Chloride	ND	0.40	"	"	"	"	"	"	
ortho-Xylene	ND	0.40	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.12**	0.40	"	"	"	"	"	"	J
Toluene	**0.088**	0.40	"	"	"	"	"	"	J
Trichloroethene	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.40	"	"	"	"	"	"	
Vinyl Chloride	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		"	"	"	"	
Surrogate: Benzene-d6		*82.2 %*	*70-140*		"	"	"	"	
Surrogate: Chloroform-d		*89.8 %*	*70-140*		"	"	"	"	
Surrogate: Methylene chloride-d2		*87.4 %*	*70-140*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-513-SA5D-SV-15.5-16.5 (3E42701-08) Air	**Sampled: 05/27/14 11:22**		**Analyzed: 05/27/14 14:34**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0.40**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	**0.023**	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.0078**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.010**	0.020	"	"	"	"	"	"	J
meta- and para-Xylenes	**0.020**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.024**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*85.1 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*93.4 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*91.7 %*		*70-140*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-512-SA5D-SV-5.0-6.0 (3E42701-09) Air Sampled: 05/27/14 12:32 Analyzed: 05/27/14 15:05									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0.11**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.010**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.014**	0.020	"	"	"	"	"	"	J
meta- and para-Xylenes	**0.041**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.035**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*83.6 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*91.8 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*88.6 %*		*70-140*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-512-SA5D-SV-11.0-12.0 (3E42701-10) Air	**Sampled: 05/27/14 13:03**		**Analyzed: 05/27/14 15:35**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0.099**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.020**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.018**	0.020	"	"	"	"	"	"	J
meta- and para-Xylenes	**0.071**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.16**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.6 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
Surrogate: Benzene-d6		*92.8 %*	*70-140*		"	"	"	"	
Surrogate: Chloroform-d		*103 %*	*70-140*		"	"	"	"	
Surrogate: Methylene chloride-d2		*96.6 %*	*70-140*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLV-512-SA5D-SV-16.75-17.75 (3E42701-11) Air	**Sampled: 05/27/14 13:34**		**Analyzed: 05/27/14 16:04**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0.026**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.015**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	
Surrogate: Benzene-d6		*89.1 %*	*70-140*		"	"	"	"	
Surrogate: Chloroform-d		*98.0 %*	*70-140*		"	"	"	"	
Surrogate: Methylene chloride-d2		*94.0 %*	*70-140*		"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-052714 (3E42701-12) Air Sampled: 05/27/14 14:00 Analyzed: 05/27/14 17:01									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	34E2701	05/27/14	05/27/14	EPA 8260B	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*	"	"	"	"	
Surrogate: Benzene-d6		*90.6 %*		*70-140*	"	"	"	"	
Surrogate: Chloroform-d		*99.8 %*		*70-140*	"	"	"	"	
Surrogate: Methylene chloride-d2		*96.8 %*		*70-140*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
Blank (34E2701-BLK1)				Prepared & Analyzed: 05/27/14						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l							
1,1,1-Trichloroethane	ND	0.020	"							
1,1,2,2-Tetrachloroethane	ND	0.020	"							
1,1,2-Trichloro-trifluoroethane	ND	0.020	"							
1,1,2-Trichloroethane	ND	0.020	"							
1,1-Dichloroethane	ND	0.020	"							
1,1-Dichloroethene	ND	0.020	"							
1,2-Dichloroethane	ND	0.020	"							
Benzene	ND	0.020	"							
cis-1,2-Dichloroethene	ND	0.020	"							
Carbon tetrachloride	ND	0.020	"							
Chloroethane	ND	0.020	"							
Chloroform	ND	0.020	"							
Dichlorodifluoromethane	ND	0.020	"							
Ethylbenzene	ND	0.020	"							
Methylene Chloride	ND	0.020	"							
ortho-Xylene	ND	0.020	"							
meta- and para-Xylenes	0.00800	0.020	"							J
trans-1,2-Dichloroethene	ND	0.020	"							
Tetrachloroethene	ND	0.020	"							
Toluene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
Trichlorofluoromethane	ND	0.020	"							
Vinyl Chloride	ND	0.020	"							
Surrogate: Dibromofluoromethane	*2.19*		*"*	*2.50*		*87.7*	*75-125*			
Surrogate: Toluene-d8	*2.51*		*"*	*2.50*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.55*		*"*	*2.50*		*102*	*75-125*			
Surrogate: Benzene-d6	*2.18*		*"*	*2.50*		*87.0*	*70-140*			
Surrogate: Chloroform-d	*2.35*		*"*	*2.50*		*93.9*	*70-140*			
Surrogate: Methylene chloride-d2	*2.22*		*"*	*2.50*		*89.0*	*70-140*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
LCS (34E2701-BS1)				Prepared & Analyzed: 05/27/14						
1,1,1,2-Tetrachloroethane	1.21	0.020	ug/l	1.25		96.8	75-136			
1,1,1-Trichloroethane	0.980	0.020	"	1.25		78.4	73-134			
1,1,2,2-Tetrachloroethane	1.39	0.020	"	1.25		111	56-149			
1,1,2-Trichloro-trifluoroethane	1.21	0.020	"	1.25		96.8	83-125			
1,1,2-Trichloroethane	1.40	0.020	"	1.25		112	67-137			
1,1-Dichloroethane	1.01	0.020	"	1.25		80.8	80-121			
1,1-Dichloroethene	1.12	0.020	"	1.25		89.6	73-137			
1,2-Dichloroethane	1.21	0.020	"	1.25		96.8	75-131			
Benzene	1.27	0.020	"	1.25		102	79-118			
cis-1,2-Dichloroethene	1.22	0.020	"	1.25		97.6	85-116			
Carbon tetrachloride	1.32	0.020	"	1.25		106	74-143			
Chloroethane	1.33	0.020	"	1.25		106	60-137			
Chloroform	1.19	0.020	"	1.25		95.2	82-140			
Dichlorodifluoromethane	0.680	0.020	"	1.25		54.4	47-129			
Ethylbenzene	1.34	0.020	"	1.25		107	83-125			
Methylene Chloride	1.33	0.020	"	1.25		106	81-126			
ortho-Xylene	1.30	0.020	"	1.25		104	85-115			
meta- and para-Xylenes	2.78	0.020	"	2.50		111	83-115			
trans-1,2-Dichloroethene	1.35	0.020	"	1.25		108	72-133			
Tetrachloroethene	1.17	0.020	"	1.25		93.6	60-144			
Toluene	1.32	0.020	"	1.25		106	70-115			
Trichloroethene	1.26	0.020	"	1.25		101	68-132			
Trichlorofluoromethane	1.34	0.020	"	1.25		107	62-144			
Vinyl Chloride	1.39	0.020	"	1.25		111	66-137			
Surrogate: Dibromofluoromethane	*11.4*		*"*	*12.5*		*91.1*	*75-125*			
Surrogate: Toluene-d8	*12.5*		*"*	*12.5*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*13.1*		*"*	*12.5*		*105*	*75-125*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
LCS Dup (34E2701-BSD1)				Prepared & Analyzed: 05/27/14						
1,1,1,2-Tetrachloroethane	1.19	0.020	ug/l	1.25		95.2	75-136	1.67	20	
1,1,1-Trichloroethane	1.07	0.020	"	1.25		85.6	73-134	8.78	20	
1,1,2,2-Tetrachloroethane	1.15	0.020	"	1.25		92.0	56-149	18.9	20	
1,1,2-Trichloro-trifluoroethane	1.23	0.020	"	1.25		98.4	83-125	1.64	20	
1,1,2-Trichloroethane	1.19	0.020	"	1.25		95.2	67-137	16.2	20	
1,1-Dichloroethane	1.16	0.020	"	1.25		92.8	80-121	13.8	20	
1,1-Dichloroethene	1.35	0.020	"	1.25		108	73-137	18.6	20	
1,2-Dichloroethane	1.10	0.020	"	1.25		88.0	75-131	9.52	20	
Benzene	1.26	0.020	"	1.25		101	79-118	0.791	20	
cis-1,2-Dichloroethene	1.16	0.020	"	1.25		92.8	85-116	5.04	20	
Carbon tetrachloride	1.31	0.020	"	1.25		105	74-143	0.760	20	
Chloroethane	1.42	0.020	"	1.25		114	60-137	6.55	20	
Chloroform	1.12	0.020	"	1.25		89.6	82-140	6.06	20	
Dichlorodifluoromethane	1.32	0.020	"	1.25		106	47-129	64.0	20	QR-04
Ethylbenzene	1.30	0.020	"	1.25		104	83-125	3.03	20	
Methylene Chloride	1.25	0.020	"	1.25		100	81-126	6.20	20	
ortho-Xylene	1.34	0.020	"	1.25		107	85-115	3.03	20	
meta- and para-Xylenes	2.60	0.020	"	2.50		104	83-115	6.69	20	
trans-1,2-Dichloroethene	1.30	0.020	"	1.25		104	72-133	3.77	20	
Tetrachloroethene	0.920	0.020	"	1.25		73.6	60-144	23.9	20	QR-04
Toluene	1.24	0.020	"	1.25		99.2	70-115	6.25	20	
Trichloroethene	1.24	0.020	"	1.25		99.2	68-132	1.60	20	
Trichlorofluoromethane	1.50	0.020	"	1.25		120	62-144	11.3	20	
Vinyl Chloride	1.29	0.020	"	1.25		103	66-137	7.46	20	
Surrogate: Dibromofluoromethane	*11.0*		*"*	*12.5*		*88.3*	*75-125*			
Surrogate: Toluene-d8	*12.9*		*"*	*12.5*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*12.7*		*"*	*12.5*		*102*	*75-125*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2754 Project Manager: Sarah Von Raesfield	**Reported:** 03-Jun-14 14:48

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
Duplicate (34E2701-DUP1)	**Source: 3E42701-02**		Prepared & Analyzed: 05/27/14							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l		ND				50	
1,1,1-Trichloroethane	ND	0.020	"		ND				50	
1,1,2,2-Tetrachloroethane	ND	0.020	"		ND				50	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"		ND				50	
1,1,2-Trichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethene	ND	0.020	"		ND				50	
1,2-Dichloroethane	ND	0.020	"		ND				50	
Benzene	ND	0.020	"		ND				50	
cis-1,2-Dichloroethene	ND	0.020	"		ND				50	
Carbon tetrachloride	ND	0.020	"		ND				50	
Chloroethane	ND	0.020	"		ND				50	
Chloroform	ND	0.020	"		ND				50	
Dichlorodifluoromethane	ND	0.020	"		ND				50	
Ethylbenzene	0.0200	0.020	"		0.0254			23.8	50	
Methylene Chloride	ND	0.020	"		ND				50	
ortho-Xylene	0.0292	0.020	"		0.0358			20.3	50	
meta- and para-Xylenes	0.0654	0.020	"		0.0792			19.1	50	
trans-1,2-Dichloroethene	ND	0.020	"		ND				50	
Tetrachloroethene	ND	0.020	"		ND				50	
Toluene	0.105	0.020	"		0.125			17.2	50	
Trichloroethene	ND	0.020	"		ND				50	
Trichlorofluoromethane	ND	0.020	"		ND				50	
Vinyl Chloride	ND	0.020	"		ND				50	
Surrogate: Dibromofluoromethane	*2.23*		*"*	*2.50*		*89.1*	*75-125*			
Surrogate: Toluene-d8	*2.48*		*"*	*2.50*		*99.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.62*		*"*	*2.50*		*105*	*75-125*			
Surrogate: Benzene-d6	*2.17*		*"*	*2.50*		*86.7*	*70-140*			
Surrogate: Chloroform-d	*2.34*		*"*	*2.50*		*93.6*	*70-140*			
Surrogate: Methylene chloride-d2	*2.31*		*"*	*2.50*		*92.2*	*70-140*			

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Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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SUMMARY OF INITIAL CALIBRATION

Rerun sample @ 5ppb @ Most.

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:24:09 2013
Response via : Initial Calibration

Calibration Files
1 =K3IC00_1.D 2 =K3IC0_25.D 3 =K07LCS01.D
4 =K3IC1_25.D 5 =K3IC02_5.D 6 =K3IC12_5.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
1)	I	Fluorobenzene (IS)	----------ISTD----------								
2)	S	Dibromofluoromethan	0.311	0.300	0.318	0.319	0.312	0.311	0.312	2.10	
3)	T	(F12) Dichlorodiflu	0.320	0.284	0.302	0.292	0.321	0.321	0.307	5.36	
4)	P	Chloromethane	0.422	0.302	0.293	0.219	0.221	0.212	0.278	29.02	Linear
5)	CM	Vinyl Chloride	0.276	0.224	0.211	0.207	0.207	0.199	0.221	12.88	
6)	T	Bromomethane	0.338	0.225	0.179	0.162	0.150	0.139	0.199	37.55	Linear
7)	T	Chloroethane	0.030	0.106	0.066	0.102	0.098	0.089	0.082	35.53	Quadratic
8)	T	(F11) Trichlorofluo	0.379	0.365	0.327	0.337	0.323	0.326	0.343	6.87	
9)	T	(F113) 1,1,2-Trichl	0.291	0.221	0.227	0.267	0.239	0.229	0.246	11.15	
10)	CM	1,1-Dichloroethene	0.277	0.287	0.322	0.307	0.291	0.286	0.295	5.61	
11)	T	Acetone	0.267	0.136	0.115	0.061	0.051	0.016	0.108	82.94	Quadratic
12)	M	(IPA) Leak Check Co	0.012	0.022	0.014	0.013	0.014	0.016	0.015	27.59	
13)	T	Carbon disulfide	1.178	1.037	1.080	1.042	0.958	0.941	1.039	8.28	
14)	T	Methylene Chloride	0.418	0.313	0.349	0.339	0.327	0.314	0.343	11.47	
15)		(TBA) tert-Butanol	0.022	0.019	0.027	0.022	0.018	0.020	0.021	16.39	
16)	TM	(MTBE) Methyl-t-but	0.789	0.678	0.760	0.729	0.655	0.638	0.708	8.56	
17)	T	trans-1,2-Dichloroe	0.331	0.360	0.342	0.357	0.310	0.318	0.336	6.07	
18)	PM	1,1-Dichloroethane	0.582	0.580	0.586	0.585	0.521	0.518	0.562	5.90	
19)	T	cis-1,2-Dichloroeth	0.442	0.415	0.416	0.387	0.339	0.345	0.390	10.66	
20)	T	2,2-Dichloropropane	0.561	0.489	0.520	0.497	0.440	0.435	0.490	9.80	
21)	T	(MEK) 2-Butanone	0.036	0.041	0.042	0.021	0.440	0.435	0.035	26.97	Not in use.
22)	T	(DIPE) Diisopropyl	1.055	1.006	1.006	1.025	0.901	0.867	0.977	7.64	
23)	T	Bromochloromethane	0.110	0.155	0.185	0.189	0.182	0.184	0.167	18.39	
24)	CM	Chloroform	0.723	0.654	0.684	0.676	0.594	0.598	0.655	7.70	
25)	T	(ETBE) 2-ethoxy 2-m	1.034	0.874	0.941	0.927	0.821	0.823	0.903	9.00	
26)	T	1,1,1-Trichloroetha	0.516	0.540	0.535	0.523	0.496	0.488	0.517	4.07	
27)	T	(TAME) tert-Amyl me	1.000	0.749	0.821	0.764	0.701	0.680	0.786	14.75	
28)	S	1,2-Dichloroethane-	0.309	0.278	0.303	0.299	0.296	0.293	0.296	3.50	
29)	T	1,1-Dichloropropene	0.547	0.492	0.502	0.489	0.439	0.427	0.482	9.13	
30)	T	Carbon Tetrachlorid	0.401	0.388	0.449	0.460	0.412	0.416	0.421	6.66	
31)	M	Benzene	1.374	1.155	1.267	1.217	1.042	1.008	1.177	11.75	
32)	M	1,2-Dichloroethane	0.501	0.382	0.445	0.419	0.385	0.365	0.416	12.20	
33)	M	Trichloroethene	0.480	0.355	0.386	0.399	0.336	0.324	0.380	14.87	
34)	C	1,2-Dichloropropane	0.298	0.297	0.277	0.290	0.264	0.258	0.281	6.17	
35)	T	Dibromomethane	0.207	0.209	0.227	0.244	0.215	0.216	0.220	6.33	
36)	T	Bromodichloromethan	0.459	0.407	0.479	0.446	0.428	0.433	0.442	5.69	
37)	T	cis-1,3-Dichloropro	0.508	0.451	0.526	0.493	0.447	0.467	0.482	6.63	
38)	I	Chlorobenzene-d5 (IS)	----------ISTD----------								
39)	S	Toluene-d8 (SU3)	1.209	1.139	1.193	1.149	1.157	1.149	1.166	2.42	
40)	T	(MIBK) 4-Methyl-2-P	0.545	0.324	0.388	0.078	0.072	0.088	0.249	79.95	Not in use.
41)	CM	Toluene	2.231	1.790	1.660	1.584	1.518	1.441	1.704	16.71	

42)	T	trans-1,3-Dichlorop	0.601	0.493	0.586	0.607	0.528	0.560	0.563	7.97	
43)	T	1,1,2-Trichloroetha	0.310	0.285	0.355	0.328	0.286	0.281	0.308	9.58	
44)	M	Tetrachloroethene	0.462	0.392	0.677	0.635	0.590	0.281	0.551	21.81	LINEAR
45)	T	1,3-Dichloropropane	0.710	0.578	0.592	0.569	0.532	0.529	0.585	11.33	
46)	T	2-Hexanone	0.333	0.186	0.340	0.266	0.333	0.182	0.273	27.20	
47)	T	Dibromochloromethan	0.426	0.363	0.496	0.458	0.432	0.459	0.439	10.18	
48)	T	1,2-Dibromoethane	0.412	0.355	0.430	0.402	0.394	0.396	0.398	6.27	
49)	PM	Chlorobenzene	1.366	1.154	1.110	1.134	1.086	1.043	1.149	9.84	
50)	T	1,1,1,2-Tetrachloro	0.449	0.384	0.437	0.407	0.388	0.387	0.409	6.91	
51)	CM	Ethylbenzene	2.333	2.080	1.968	1.851	1.736	1.654	1.937	12.77	
52)	TM	m,p-Xylenes	0.809	0.711	0.727	0.669	0.615	0.602	0.689	11.20	
53)	TM	o-Xylene	0.867	0.664	0.674	0.671	0.615	0.594	0.681	14.25	
54)	T	Styrene	1.563	1.015	1.078	1.049	0.973	0.934	1.102	21.01	LINEAR
55)	P	Bromoform	0.237	0.199	0.286	0.259	0.238	0.276	0.249	12.69	
56)	T	Isopropylbenzene	2.188	1.855	1.900	1.811	1.764	1.674	1.865	9.44	
57)	T	1,2,3-Trichloroprop	0.505	0.491	0.593	0.516	0.480	0.472	0.509	8.58	
58)	S	4-Bromofluorobenzen	0.518	0.507	0.527	0.511	0.510	0.495	0.511	2.08	
59)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------						
60)	P	1,1,2,2-Tetrachloro	1.020	0.822	1.013	0.870	0.774	0.905	0.901	11.13	
61)	T	Bromobenzene	1.079	1.003	1.043	0.946	0.914	0.907	0.982	7.20	
62)	T	n-Propylbenzene	6.721	5.112	5.219	4.601	4.392	4.279	5.054	17.82	
63)	T	2-Chlorotoluene	3.644	2.948	3.362	3.044	2.868	2.805	3.112	10.48	
64)	T	1,3,5-Trimethylbenz	3.612	3.208	3.247	3.017	2.832	2.775	3.115	9.93	
65)	T	4-Chlorotoluene	3.315	2.950	2.942	2.812	2.597	2.623	2.873	9.19	
66)	T	tert-Butylbenzene	2.817	2.666	3.007	2.633	2.430	2.371	2.654	8.96	
67)	T	1,2,4-Trimethylbenz	3.774	3.331	3.421	3.050	2.968	2.953	3.250	9.91	
68)	T	sec-Butylbenzene	4.837	3.956	4.522	4.187	3.865	3.852	4.203	9.54	
69)	T	p-Isopropyltoluene	3.974	3.475	3.582	3.347	3.061	3.060	3.417	10.13	
70)	T	1,3-Dichlorobenzene	2.120	1.740	1.888	1.871	1.734	1.744	1.850	8.06	
71)	T	1,4-Dichlorobenzene	2.120	1.740	1.974	1.864	1.658	1.729	1.847	9.43	
72)	T	n-Butylbenzene	4.391	3.645	3.644	3.397	3.264	3.192	3.589	12.14	
73)	T	1,2-Dichlorobenzene	1.716	1.534	1.764	1.657	1.614	1.583	1.645	5.20	
74)	T	1,2-Dibromo-3-chlor	0.082	0.104	0.111	0.148	0.133	0.146	0.121	21.61	LINEAR
75)	T	1,2,4-Trichlorobenz	1.184	1.091	1.244	1.074	1.050	1.044	1.115	7.28	
76)	T	Hexachlorobutadiene	0.297	0.477	0.596	0.481	0.499	0.507	0.476	20.56	LINEAR
77)	T	Naphthalene	2.690	2.294	3.052	2.312	2.176	2.294	2.470	13.55	
78)	T	Hexachloroethane	0.306	0.301	0.391	0.362	0.374	0.435	0.361	14.24	
79)	T	1,2,3-Trichlorobenz	1.346	0.926	1.173	0.993	0.940	0.968	1.058	15.82	

(#) = Out of Range

MW111313.M Wed Nov 13 19:25:18 2013

CONTINUING CALIBRATION VERIFICATION

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 7:33 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1684875	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1172956	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	612677	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.44	113	469211	11.16 ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.28%		
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	467260	11.70 ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.60%		
39) Toluene-d8 (SU3)	12.21	98	1425906	13.03 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 104.24%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	641591	13.37 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.96%		
Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	29185	0.71 ug/L	94
4) Chloromethane	4.46	50	40489	1.31 ug/L	41
5) Vinyl Chloride	4.60	62	41383	1.39 ug/L	68
6) Bromomethane	5.15	96	23518	1.09 ug/L	1
7) Chloroethane	5.30	64	18268	1.39 ug/L	52
8) (F11) Trichlorofluorometha	5.67	101	56717	1.23 ug/L	91
9) (F113) 1,1,2-Trichloro-tri	6.38	151	43519	1.31 ug/L	100
10) 1,1-Dichloroethene	6.45	96	53151	1.34 ug/L	94
11) Acetone	6.47	58	43858	-12.50 ug/L	97
12) (IPA) Leak Check Compound	6.54	45	77478	38.27 ug/L	99
13) Carbon disulfide	6.87	76	191441	1.37 ug/L	100
14) Methylene Chloride	7.12	84	60168	1.30 ug/L #	92
15) (TBA) tert-Butanol	7.10	59	2891	1.01 ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	93656	0.98 ug/L	96
17) trans-1,2-Dichloroethene	7.49	96	61572	1.36 ug/L	95
18) 1,1-Dichloroethane	8.08	63	101687	1.34 ug/L	85
19) cis-1,2-Dichloroethene	8.84	96	63984	1.22 ug/L	93
20) 2,2-Dichloropropane	8.82	77	264	0.00 ug/L #	1
21) (MEK) 2-Butanone	8.80	72	7227	1.53 ug/L #	44
22) (DIPE) Diisopropyl Ether	8.01	45	182969	1.39 ug/L	97
23) Bromochloromethane	9.17	128	25557	1.13 ug/L #	83
24) Chloroform	9.22	83	104547	1.18 ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 7:33 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) (ETBE) 2-ethoxy 2-methyl p	8.50	59	120604	0.99 ug/L #	96
26) 1,1,1-Trichloroethane	9.51	97	70108	1.01 ug/L	93
27) (TAME) tert-Amyl methyl et	10.01	73	111150	1.05 ug/L	94
29) 1,1-Dichloropropene	9.70	75	79628	1.22 ug/L	99
30) Carbon Tetrachloride	13.89	117	69552	1.23 ug/L	98
31) Benzene	9.99	78	197983	1.25 ug/L #	91
32) 1,2-Dichloroethane	10.00	62	70717	1.26 ug/L	95
33) Trichloroethene	10.75	130	67658	1.32 ug/L	99
34) 1,2-Dichloropropane	11.05	63	54079	1.43 ug/L	94
35) Dibromomethane	11.22	93	36471	1.23 ug/L	98
36) Bromodichloromethane	11.36	83	69830	1.17 ug/L	90
37) cis-1,3-Dichloropropene	11.87	75	63750	0.98 ug/L	93
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	11366	0.49 ug/L #	100
41) Toluene	12.29	91	227878	1.43 ug/L	96
42) trans-1,3-Dichloropropene	12.51	75	48409	0.92 ug/L #	82
43) 1,1,2-Trichloroethane	12.75	83	43143	1.50 ug/L	93
44) Tetrachloroethene	12.95	164	67051	1.19 ug/L	96
45) 1,3-Dichloropropane	12.97	76	72200	1.32 ug/L	98
46) 2-Hexanone	12.97	43	41158	1.60 ug/L	89
47) Dibromochloromethane	13.25	129	53763	1.30 ug/L #	99
48) 1,2-Dibromoethane	13.43	107	50323	1.35 ug/L	95
49) Chlorobenzene	13.95	112	147542	1.37 ug/L	94
50) 1,1,1,2-Tetrachloroethane	14.03	131	52394	1.37 ug/L	91
51) Ethylbenzene	14.03	91	257211	1.42 ug/L	99
52) m,p-Xylenes	14.15	106	183018	2.83 ug/L	99
53) o-Xylene	14.62	106	90645	1.42 ug/L	98
54) Styrene	14.63	104	142452	1.55 ug/L	96
55) Bromoform	14.92	173	30116	1.29 ug/L #	96
56) Isopropylbenzene	15.01	105	250853	1.43 ug/L	99
57) 1,2,3-Trichloropropane	15.42	75	64888	1.36 ug/L #	1
60) 1,1,2,2-Tetrachloroethane	15.34	83	58447	1.32 ug/L	98
61) Bromobenzene	15.44	156	64235	1.33 ug/L	94
62) n-Propylbenzene	15.46	91	324473	1.31 ug/L	99
63) 2-Chlorotoluene	15.62	91	206902	1.36 ug/L	99
64) 1,3,5-Trimethylbenzene	15.62	105	196753	1.29 ug/L	100
65) 4-Chlorotoluene	15.73	91	196737	1.40 ug/L	99
66) tert-Butylbenzene	16.01	119	168621	1.30 ug/L	92

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 7:33 19114 Quant Results File: MW111313.RES

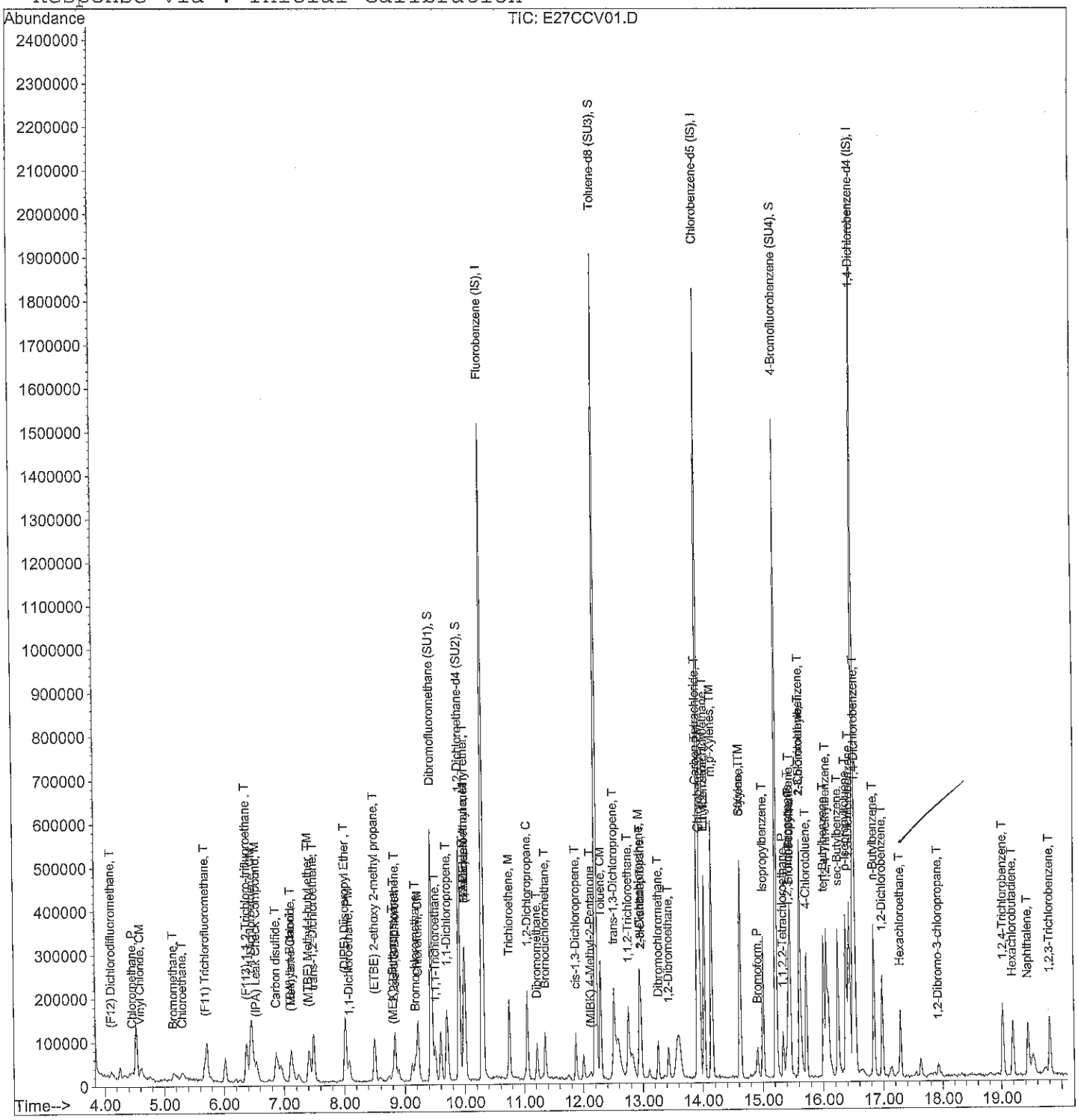
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
67)	1,2,4-Trimethylbenzene	16.06	105	211876	1.33	ug/L		94
68)	sec-Butylbenzene	16.25	105	273394	1.33	ug/L		98
69)	p-Isopropyltoluene	16.38	119	216404	1.29	ug/L		96
70)	1,3-Dichlorobenzene	16.44	146	122769	1.35	ug/L		98
71)	1,4-Dichlorobenzene	16.54	146	119770	1.32	ug/L		99
72)	n-Butylbenzene	16.84	91	240111	1.36	ug/L		97
73)	1,2-Dichlorobenzene	16.98	146	112611	1.40	ug/L		97
74)	1,2-Dibromo-3-chloropropan	17.93	75	8720	1.30	ug/L	#	81
75)	1,2,4-Trichlorobenzene	19.03	180	70111	1.28	ug/L		96
76)	Hexachlorobutadiene	19.20	225	32688	1.33	ug/L		99
77)	Naphthalene	19.45	128	145796	1.20	ug/L		100
78)	Hexachloroethane	17.29	201	21385	1.21	ug/L		92
79)	1,2,3-Trichlorobenzene	19.81	180	64273	1.24	ug/L		96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 7:33 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene (IS)	12.500	12.500	0.0	127	0.00
2	S	Dibromofluoromethane (SU1)	12.500	11.165	10.7	111	0.02
3	T	(F12) Dichlorodifluorometha	1.250	0.706	43.5#	75	0.04
4	P	Chloromethane	1.250	1.312	-5.0	139	0.07
5	CM	Vinyl Chloride	1.250	1.391	-11.3	151	0.05
6	T	Bromomethane	1.250	1.091	12.7	110	0.05
7	T	Chloroethane	1.250	1.388	-11.0	135	0.06
8	T	(F11) Trichlorofluoromethan	1.250	1.227	1.8	127	0.06
9	T	(F113) 1,1,2-Trichloro-trif	1.250	1.314	-5.1	123	0.05
10	CM	1,1-Dichloroethene	1.250	1.337	-7.0	130	0.05
11	T	Acetone	1.250	-12.500	1100.0#	539	0.01
12	M	(IPA) Leak Check Compound	62.500	38.268	38.8#	84	0.00
13	T	Carbon disulfide	1.250	1.367	-9.4	138	0.05
14	T	Methylene Chloride	1.250	1.300	-4.0	134	0.04
15		(TBA) tert-Butanol	12.500	1.006	92.0#	10	-0.01
16	TM	(MTBE) Methyl-t-butyl ether	2.500	0.981	60.8#	48	0.01
17	T	trans-1,2-Dichloroethene	1.250	1.358	-8.6	130	0.03
18	PM	1,1-Dichloroethane	1.250	1.342	-7.4	131	0.03
19	T	cis-1,2-Dichloroethene	1.250	1.216	2.7	125	0.02
20	T	2,2-Dichloropropane	1.250	0.004	99.7#	0	-0.01
21	T	(MEK) 2-Butanone	1.250	1.526	-22.1	132	0.01
22	T	(DIPE) Diisopropyl Ether	1.250	1.390	-11.2	135	0.00
23	T	Bromochloromethane	1.250	1.133	9.4	102	0.02
24	CM	Chloroform	1.250	1.184	5.3	117	0.02
25	T	(ETBE) 2-ethoxy 2-methyl pr	1.250	0.991	20.7	98	0.00
26	T	1,1,1-Trichloroethane	1.250	1.007	19.4	101	0.02
27	T	(TAME) tert-Amyl methyl eth	1.250	1.049	16.1	110	0.00
28	S	1,2-Dichloroethane-d4 (SU2)	12.500	11.699	6.4	118	0.01
29	T	1,1-Dichloropropene	1.250	1.224	2.1	123	0.01
30	T	Carbon Tetrachloride	1.250	1.226	1.9	114	4.18#
31	M	Benzene	1.250	1.248	0.2	123	0.01
32	M	1,2-Dichloroethane	1.250	1.261	-0.9	127	0.01
33	M	Trichloroethene	1.250	1.322	-5.8	128	0.01
34	C	1,2-Dichloropropane	1.250	1.429	-14.3	141	0.00
35	T	Dibromomethane	1.250	1.232	1.4	113	0.00
36	T	Bromodichloromethane	1.250	1.172	6.2	118	0.01
37	T	cis-1,3-Dichloropropene	1.250	0.981	21.5	97	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	I	Chlorobenzene-d5 (IS)	12.500	12.500	0.0	113	0.00
39	S	Toluene-d8 (SU3)	12.500	13.034	-4.3	120	0.00
40	T	(MIBK) 4-Methyl-2-Pentanone	1.250	0.486	61.1#	140	0.00
41	CM	Toluene	1.250	1.425	-14.0	139	0.00
42	T	trans-1,3-Dichloropropene	1.250	0.917	26.6	77	0.00
43	T	1,1,2-Trichloroethane	1.250	1.495	-19.6	127	0.00
44	M	Tetrachloroethene	1.250	1.193	4.6	102	0.00
45	T	1,3-Dichloropropane	1.250	1.315	-5.2	123	0.00
46	T	2-Hexanone	1.250	1.604	-28.3	149	0.00
47	T	Dibromochloromethane	1.250	1.305	-4.4	114	0.00
48	T	1,2-Dibromoethane	1.250	1.347	-7.8	121	0.00
49	PM	Chlorobenzene	1.250	1.369	-9.5	126	0.00
50	T	1,1,1,2-Tetrachloroethane	1.250	1.366	-9.3	125	0.00
51	CM	Ethylbenzene	1.250	1.415	-13.2	134	0.00
52	TM	m,p-Xylenes	2.500	2.832	-13.3	132	0.00
53	TM	o-Xylene	1.250	1.419	-13.5	131	0.00
54	T	Styrene	1.250	1.546	-23.7	131	0.00
55	P	Bromoform	1.250	1.288	-3.0	112	0.00
56	T	Isopropylbenzene	1.250	1.433	-14.6	134	0.00
57	T	1,2,3-Trichloropropane	1.250	1.357	-8.6	122	0.00
58	S	4-Bromofluorobenzene (SU4)	12.500	13.374	-7.0	122	0.00
59	I	1,4-Dichlorobenzene-d4 (IS)	12.500	12.500	0.0	122	0.00
60	P	1,1,2,2-Tetrachloroethane	1.250	1.324	-5.9	134	0.00
61	T	Bromobenzene	1.250	1.335	-6.8	135	0.00
62	T	n-Propylbenzene	1.250	1.310	-4.8	140	0.00
63	T	2-Chlorotoluene	1.250	1.357	-8.6	135	0.00
64	T	1,3,5-Trimethylbenzene	1.250	1.289	-3.1	130	0.00
65	T	4-Chlorotoluene	1.250	1.397	-11.8	139	0.00
66	T	tert-Butylbenzene	1.250	1.296	-3.7	128	0.00
67	T	1,2,4-Trimethylbenzene	1.250	1.330	-6.4	138	0.00
68	T	sec-Butylbenzene	1.250	1.327	-6.2	130	0.00
69	T	p-Isopropyltoluene	1.250	1.292	-3.4	129	0.00
70	T	1,3-Dichlorobenzene	1.250	1.354	-8.3	131	0.00
71	T	1,4-Dichlorobenzene	1.250	1.323	-5.8	128	0.00
72	T	n-Butylbenzene	1.250	1.365	-9.2	141	0.00
73	T	1,2-Dichlorobenzene	1.250	1.397	-11.8	135	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27CCV01.D Vial: 10
Acq On : 27 May 2014 6:52 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
74	T	1,2-Dibromo-3-chloropropane	1.250	1.299	-3.9	117	0.00
75	T	1,2,4-Trichlorobenzene	1.250	1.283	-2.6	130	0.00
76	T	Hexachlorobutadiene	1.250	1.328	-6.2	135	0.00
77	T	Naphthalene	1.250	1.204	3.7	126	0.00
78	T	Hexachloroethane	1.250	1.207	3.4	118	-0.01
79	T	1,2,3-Trichlorobenzene	1.250	1.240	0.8	129	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SUMMARY OF INTERNAL STANDARDS

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\052714L3\E27BFB01.D
Tune Time : 27 May 14 6:07 am

Daily Calibration File : C:\HPCHEM\1\DATA\013014L3\A30CCV01.D

						(PFB)	(CLBD	(1,4-
						1590180	1163370	587649
File	Sample	Surrogate Recovery %				Internal Standard Responses		
E2700001.D	3E42701-	90	96	95	105	1669603	1275583	659835
E2700002.D	3E42701-	88	92	99	107	1799866	1320072	691378
E2700003.D	34E2701-	89	92	99	105	1808256	1342252	685345
E2700004.D	3E42701-	92	97	99	106	1745598	1321272	716932
E2700005.D	3E42701-	89	89	98	104	1913339	1437327	745284
E2700006.D	3E42701-	90	95	100	110	1697668	1272990	687505
E2700007.D	3E42701-	88	87	101	106	1848407	1360103	711592
E2700008.D	3E42701-	90	89	101	108	1858802	1370885	727236
E2700009.D	3E42701-	89	86	102	105	1755921	1286154	676173
E2700010.D	3E42701-	87	86	100	105	1745629	1286126	662328
E2700011.D	3E42701-	91	92	100	107	1694263	1301352	693994
E2700012.D	3E42701-	89	93	97	108	1679743	1298736	682899
E2700013.D	3E42701-	91	93	98	106	1519594	1165882	627293
E2700014.D	3E42701-	90	95	96	109	1558226	1225289	643267
E2700015.D	3E42701-	90	91	100	103	1656895	1256682	652135
E27BLK01.D	34E2701-	88	87	100	102	1865195	1375456	703693
E27LCS01.D	34E2701-	91	93	100	105	1771401	1269697	637939
E27LCS02.D	34E2701-	88	86	103	102	1665701	1168708	574407

t - fails 12hr time check * - fails criteria

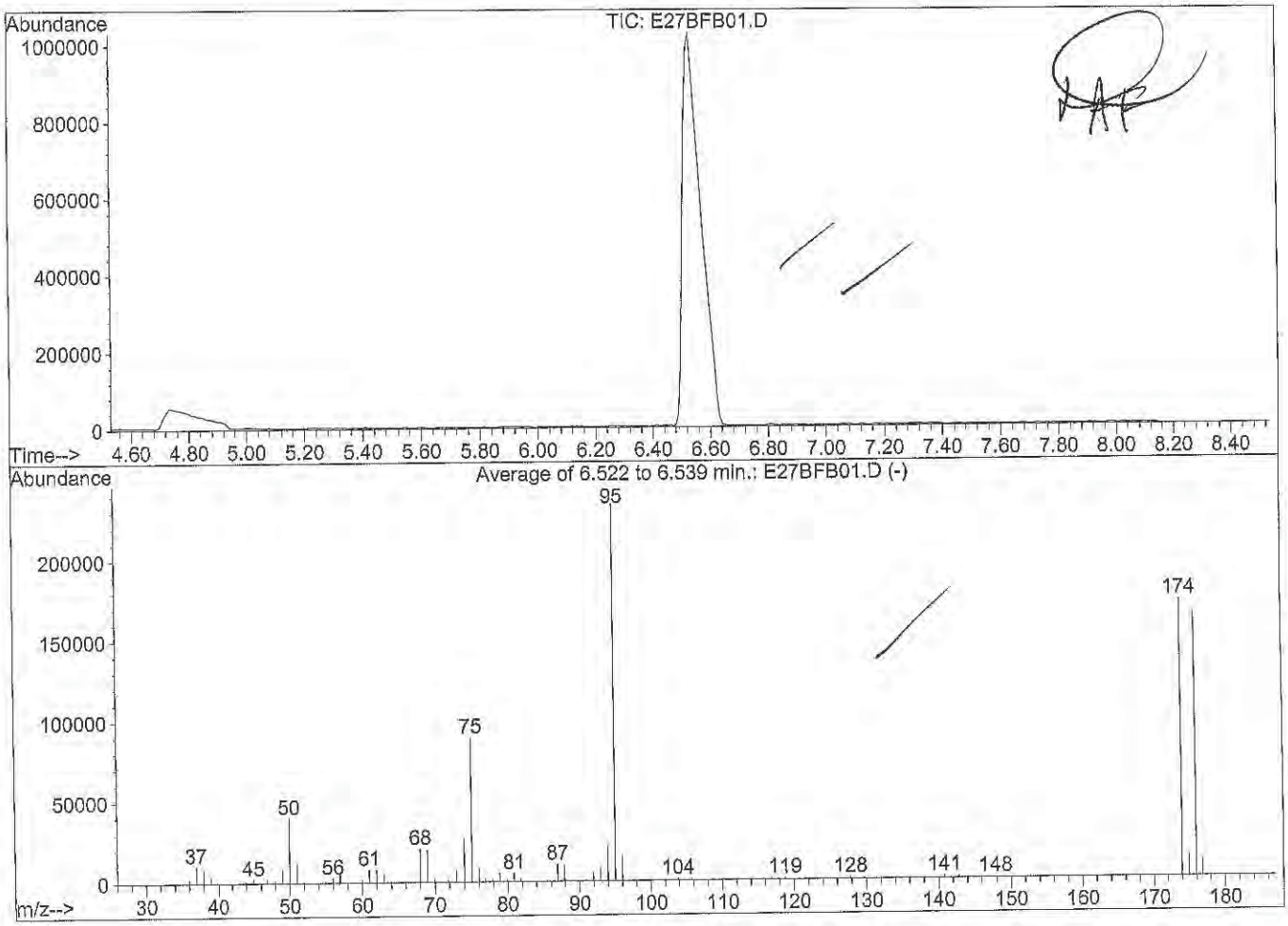
Created: Sun Jun 08 11:43:58 2014 GC MS Ins

SUMMARY OF INSTRUMENT TUNING

BFB

Data File : C:\HPCHEM\1\DATA\052714L3\E27BFB01.D
Acq On : 27 May 2014 6:07 am
Sample : 50 ng BFB tune
Misc : 12HRS SYSTEM BFB TUNING
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN

Vial: 1
Operator: DN
Inst : GC/MS Ins
Multiplr: 1.00



AutoFind: Scans 319, 320, 321; Background Corrected with Scan 311

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	39963	PASS
75	95	30	60	38.2	89459	PASS
95	95	100	100	100.0	234475	PASS
96	95	5	9	6.6	15517	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.5	172416	PASS
175	174	5	9	7.5	12851	PASS
176	174	95	101	95.1	163947	PASS
177	176	5	9	6.2	10194	PASS

E27BFB01.D MW111313.M Tue May 27 07:35:37 2014

INJECTION LOG

Injection Log

Directory: c:\hpchem\1\data\052714l3

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	11	e2700001.d	10.	3E42701-01	100cc Equipment Blank	27 May 14 09:29
2	1	e2700002.d	10.	3E42701-02	100cc SVL-502-SA5D-SV-5.0-6.0	27 May 14 09:58
3	2	e2700003.d	10.	34E2701-DUP1	100cc SVL-502-SA5D-SV-5.0-6.0	27 May 14 10:27
4	3	e2700004.d	10.	3E42701-03	100cc SVL-802-SA5D-SV-5.0-6.0	27 May 14 10:57
5	4	e2700005.d	10.	3E42701-04	100cc SVL-502-SA5D-SV-13.0-14.0	27 May 14 11:32
6	5	e2700006.d	10.	3E42701-05	100cc SVL-502-SA5D-SV-18.0-19.0	27 May 14 12:03
7	6	e2700007.d	10.	3E42701-06	100cc SVL-513-SA5D-SV-5.0-6.0	27 May 14 12:33
8	7	e2700008.d	10.	3E42701-07	100cc SVL-513-SA5D-SV-10.0-11.0	27 May 14 13:02
9	8	e2700009.d	10.	3E42701-07	5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL	27 May 14 13:31
10	8	e2700010.d	10.	3E42701-08	5cc SVL-513-SA5D-SV-15.5-16.5 20X DIL	27 May 14 14:01
11	2	e2700011.d	10.	3E42701-08	100cc SVL-513-SA5D-SV-15.5-16.5	27 May 14 14:34
12	3	e2700012.d	10.	3E42701-09	100cc SVL-512-SA5D-SV-5.0-6.0	27 May 14 15:05
13	4	e2700013.d	10.	3E42701-10	100cc SVL-512-SA5D-SV-11.0-12.0	27 May 14 15:35
14	5	e2700014.d	10.	3E42701-11	100cc SVL-512-SA5D-SV-16.75-17.75	27 May 14 16:04
15	6	e2700015.d	10.	3E42701-12	100cc FB-052714	27 May 14 17:01
16	1	e27bfb01.d	1.	50 ng BFB tune	12HRS SYSTEM BFB TUNING	27 May 14 06:07
17	11	e27blk01.d	10.	34E2701-BLK1	100cc AMBIENT AIR/H20	27 May 14 09:00
18	10	e27ccv01.d	1.	1.25/2.5/12.5 ug/L 8260B std	20mL 8260 CCV	27 May 14 06:52
19	10	e27lcs01.d	1.	34E2701-BS1	20cc 1.25/2.5/12.5 ug/L LCS	27 May 14 07:33
20	9	e27lcs02.d	1.	34E2701-BSD1	20cc 1.25/2.5/12.5 ug/L LCS	27 May 14 17:30

SAMPLE LOG SHEET

Environmental Support Technologies, Inc.
SOIL GAS - FIELD ANALYSIS
Sample Log Sheet

Date:_05/27/2014_____
Analyst:_____DN_____
Lab ID:_____# 3_____
Batch Number:_34E2701_____
Project Number:_EST2754___

MWH SSFL , CA

EPA Method:_8260B CHHSLS 0.02 RL GILAN AIR5 PUMP
Initial Calibration:_MW111313.MTH FLOW RATE @ 200mL/min
Cal Std Lot No.:__4D14009_____
LCS Std Lot No.:_4D14008_____ Glass Bulb Bake @
IS/SS Lot No.:___4D14001_____ 130 degree for 30 min

File No.	Port No.	Sample Lab No.	Sample ID	Amount	Dilution Factor	Bulb Surr added	Time Sample Loaded	Time Sample Analyzed	Glass Bulb #	PID READING
E427BFB1	1	50uL BFB1	12HRS TUNING	1uL	1x	PASS	@	607		
CCV1	9	1.25/2.5/12.5 CCV1	8260 STARDARD	20mL	1x	640	641	652		
BS1	9	34E2701-BS1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	715	716	733		
BLK1	1	34E2701-BLK1	METHOD BLANK	100cc	1x	845	846	900		
1	2	3E42701-01	EQUIPMENT BLANK	100cc	1x	910	911	929		0.0
2	1	3E42701-02	SVL-502-SA5D-SV-5.0-6.0	100cc	1x	832	833	958	11	0.0
3	2	34E2701-DUP1	SVL-502-SA5D-SV-5.0-6.0	100cc	1x	832	834	1027	11	0.0
4	3	3E42701-03	SVL-802-SA5D-SV-5.0-6.0	100cc	1x	832	835	1057	7	0.0
5	4	3E42701-04	SVL-502-SA5D-SV-13.0-14.0	100cc	1x	909	910	1132	5	0.0
6	5	3E42701-05	SVL-502-SA5D-SV-18.0-19.0	100cc	1x	942	943	1203	6	0.0
7	6	3E42701-06	SVL-513-SA5D-SV-5.0-6.0	100cc	1x	1015	1016	1233	1	0.0
RERUN 8	7	3E42701-07	SVL-513-SA5D-SV-10.0-11.0	100cc	1x	1045	1046	1302	8	0.0
9	8	3E42701-07	SVL-513-SA5D-SV-10.0-11.0	5cc	20x	1045	1315	1331	8	0.0
RERUN 10	1	3E42701-08	SVL-513-SA5D-SV-15.5-16.5	5cc	20x	1122	1123	1402	9	0.0
11	2	3E42701-08	SVL-513-SA5D-SV-15.5-16.5	100cc	1x	1122	1123	1434	9	0.0
12	3	3E42701-09	SVL-512-SA5D-SV-5.0-6.0	100cc	1x	1232	1233	1505	3	0.0
13	4	3E42701-10	SVL-512-SA5D-SV-11.0-12.0	100cc	1x	1303	1304	1535	10	0.0
14	5	3E42701-11	SVL-512-SA5D-SV-16.75-17.75	100cc	1x	1334	1335	1604	13	0.0
15	6	3E42701-12	FB-052714	100cc	1x	1400	1401	1701	12	0.0
BSD1	9	34E2701-BSD1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	1715	1716	1730		

CASE NARRATIVE

LABORATORY CASE NARRATIVE
(EPA 8260B)

SDG: 34E2701
DATE: May 27, 2014
PROJECT No.: EST2754

Twelve (12) Glass Bulb soil vapor samples were analyzed on May 27, 2014, by EPA Method Analysis performed using a gas chromatograph/mass spectrometer (GC/MS).

Sample Preservation and Holding Times

Samples were preserved according to the method recommendation, unless otherwise noted on the chain-of-custody (COC) and /or the sample log sheet. Holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC Criteria

All quality objective criteria were met, except as noted in the report with data qualifiers.

Samples Analysis

No anomalies were observes during analysis of the samples.

COMMENTS:

Results that fall between the MDL and RL are 'J' flagged.

Adjusted values corrected for significant figure correction (10X) and sample volume (5X).

RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION DUPLICATE SAMPLE

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700003.D Vial: 2
Acq On : 27 May 2014 10:27 am Operator: DN
Sample : 34E2701-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:52 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1808256	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1342252	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	685345	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	502458	11.14	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.12%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	490615	11.45	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.60%			
39) Toluene-d8 (SU3)	12.20	98	1554440	12.42	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 99.36%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	719373	13.10	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 104.80%			
Target Compounds						Qvalue
4) Chloromethane	4.41	50	2882	-0.27	~~ug/L~~ #	62
6) Bromomethane	5.12	96	4565	0.52	~~ug/L~~ #	61
7) Chloroethane	5.34	64	2763	2.52	~~ug/L~~	96
11) Acetone	6.46	58	20993	30.21	~~ug/L~~	98
12) (IPA) Leak Check Compound	6.49	45	70661	325.20	~~ug/L~~ #	89
13) Carbon disulfide	6.86	76	68631	4.57	~~ug/L~~	98
14) Methylene Chloride	7.08	84	6615	1.33	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.91	59	3628	11.76	~~ug/L~~ #	77
21) (MEK) 2-Butanone	8.80	72	1109	2.18	~~ug/L~~ #	1
24) Chloroform	9.21	83	2110	0.22	~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.34	59	1076	0.08	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.93	75	914	0.13	~~ug/L~~ #	1
31) Benzene	9.98	78	12818	0.75	~~ug/L~~ #	68
32) 1,2-Dichloroethane	9.93	62	6604	1.10	~~ug/L~~ #	1
35) Dibromomethane	11.01	93	354	0.11	~~ug/L~~ #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	7694	2.87	~~ug/L~~ #	100
41) Toluene	12.29	91	96304	5.26	ug/L	98
42) trans-1,3-Dichloropropene	12.29	75	291	0.05	~~ug/L~~ #	1
46) 2-Hexanone	12.96	43	1860	0.63	~~ug/L~~ #	63
51) Ethylbenzene	14.02	91	20829	1.00	ug/L	97
52) m,p-Xylenes	14.15	106	24163	3.27	ug/L	100
53) o-Xylene	14.61	106	10708	1.46	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700003.D Vial: 2
Acq On : 27 May 2014 10:27 am Operator: DN
Sample : 34E2701-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:52 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

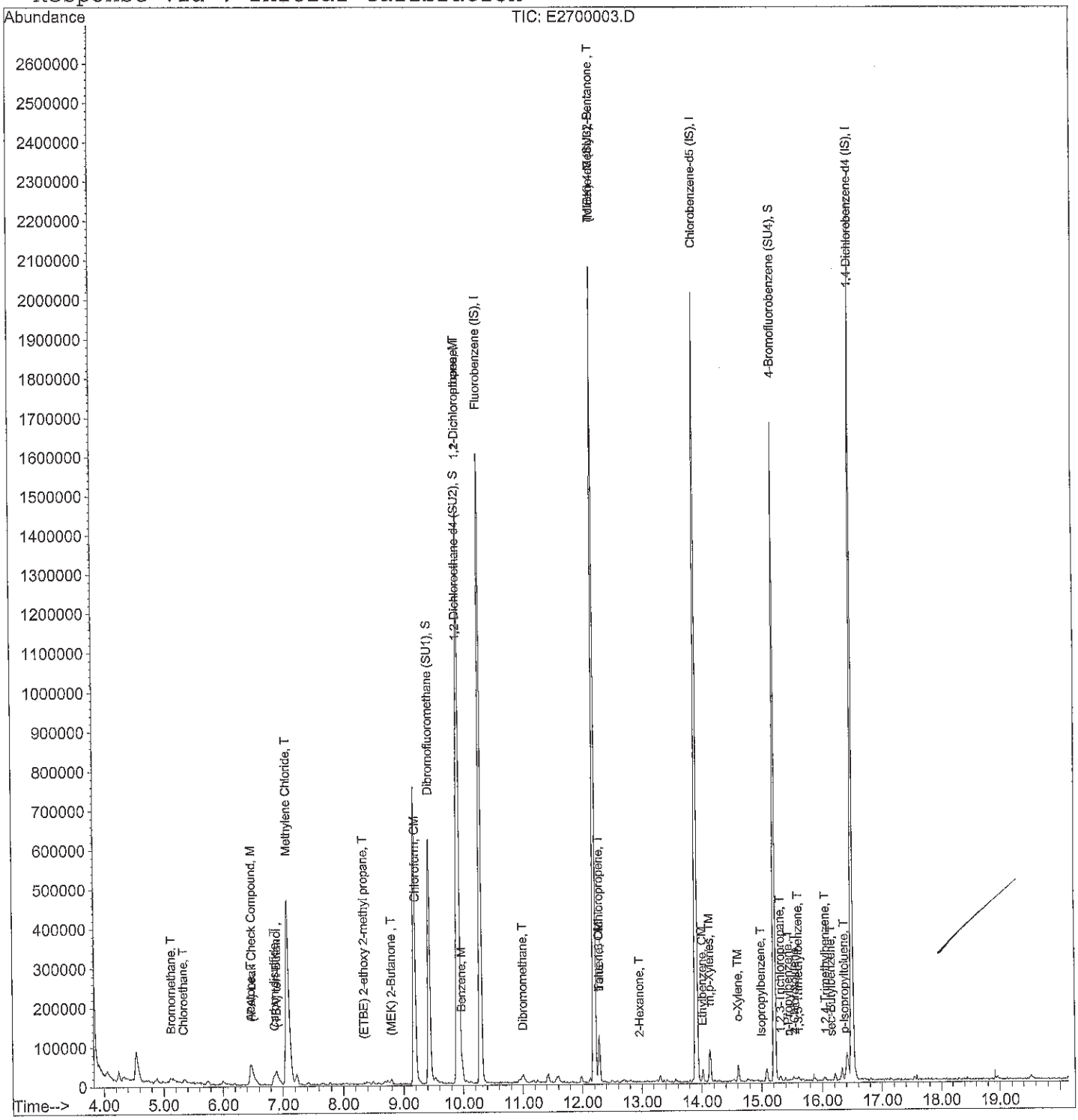
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
54) Styrene	14.61	104	1620	-0.72	~~ug/L~~ #	1
56) Isopropylbenzene	15.00	105	303	0.02	~~ug/L~~ #	55
57) 1,2,3-Trichloropropane	15.33	75	311	0.06	~~ug/L~~ #	36
62) n-Propylbenzene	15.45	91	1810	0.07	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.56	91	290	0.02	~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.62	105	1575	0.09	~~ug/L~~ #	31
65) 4-Chlorotoluene	15.56	91	290	0.02	~~ug/L~~ #	44
67) 1,2,4-Trimethylbenzene	16.06	105	4346	0.24	ug/L	99
68) sec-Butylbenzene	16.15	105	314	0.01	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.37	119	723	0.04	~~ug/L~~ #	52

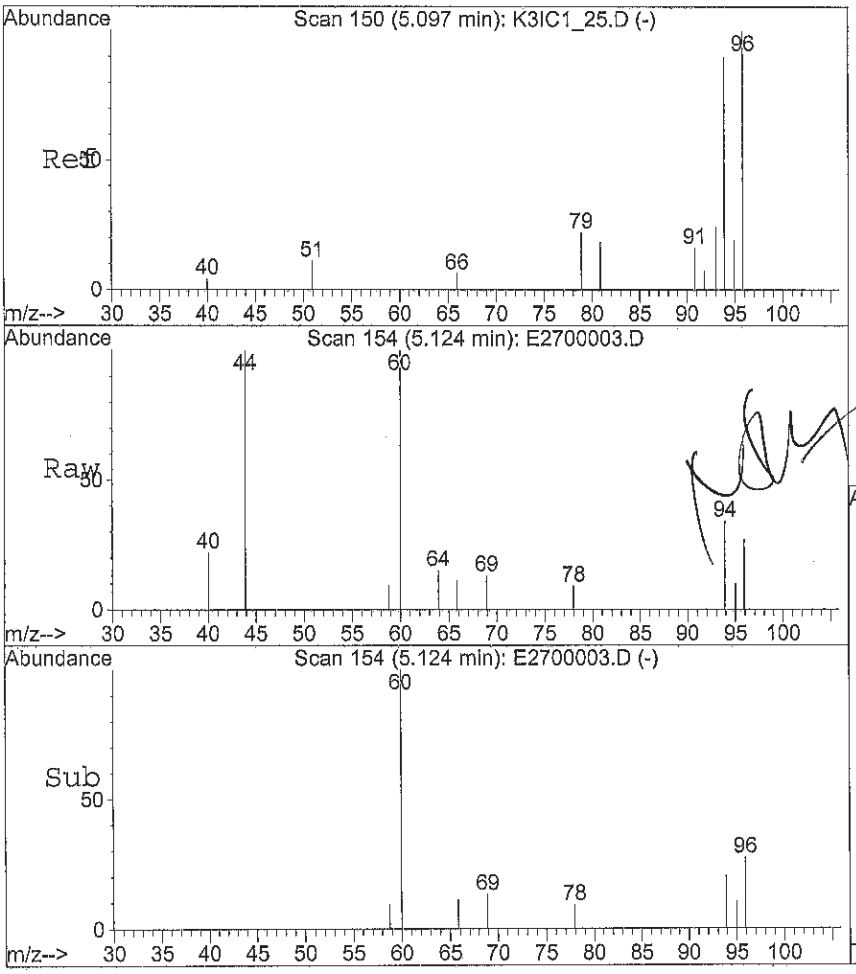
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700003.D Vial: 2
Acq On : 27 May 2014 10:27 am Operator: DN
Sample : 34E2701-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:52 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

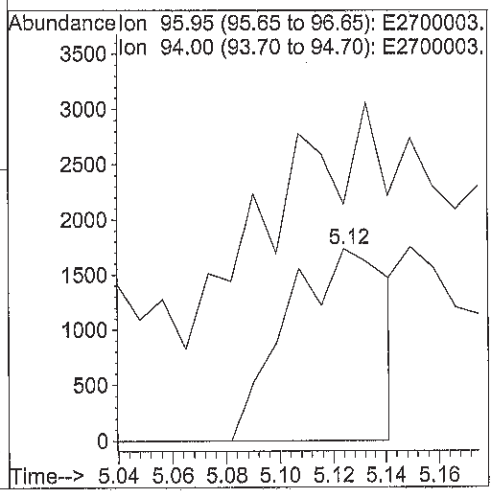


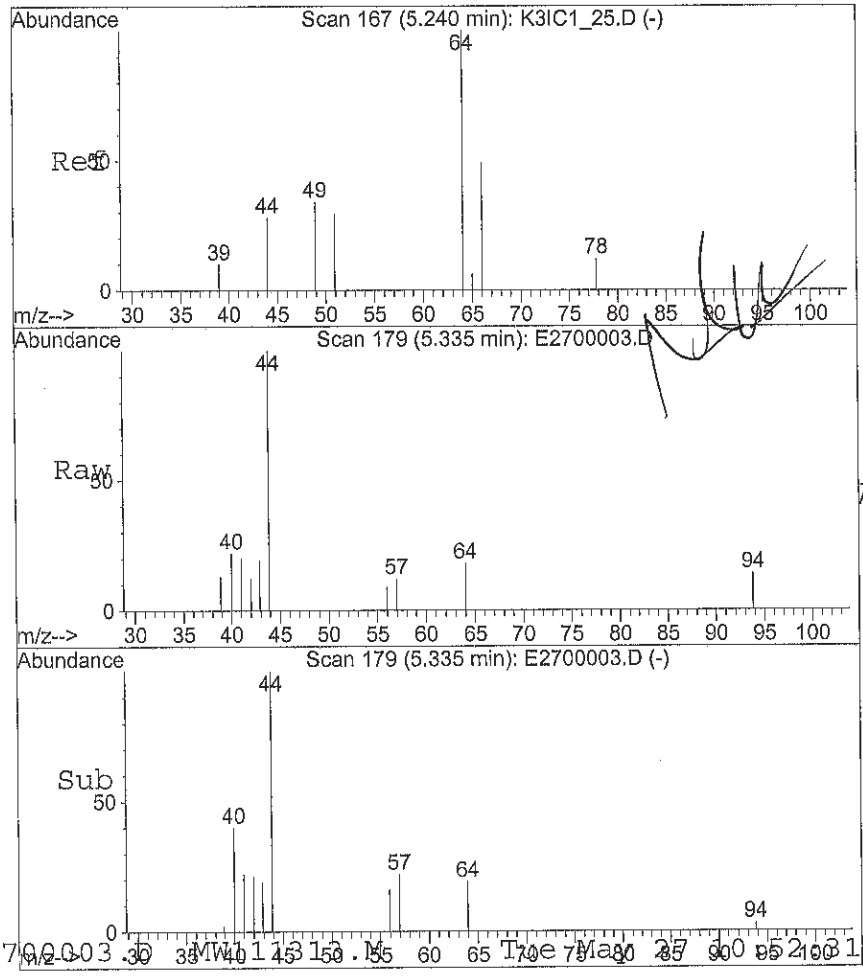


#6
Bromomethane
Concen: 0.52 ug/L
RT: 5.12 min Scan# 154
Delta R.T. 0.03 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 96 Resp: 4565

Ion	Ratio	Lower	Upper
96	100		
94	170.6	101.0	151.4#

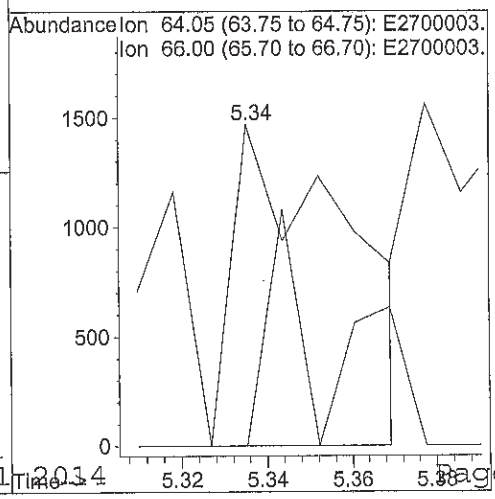


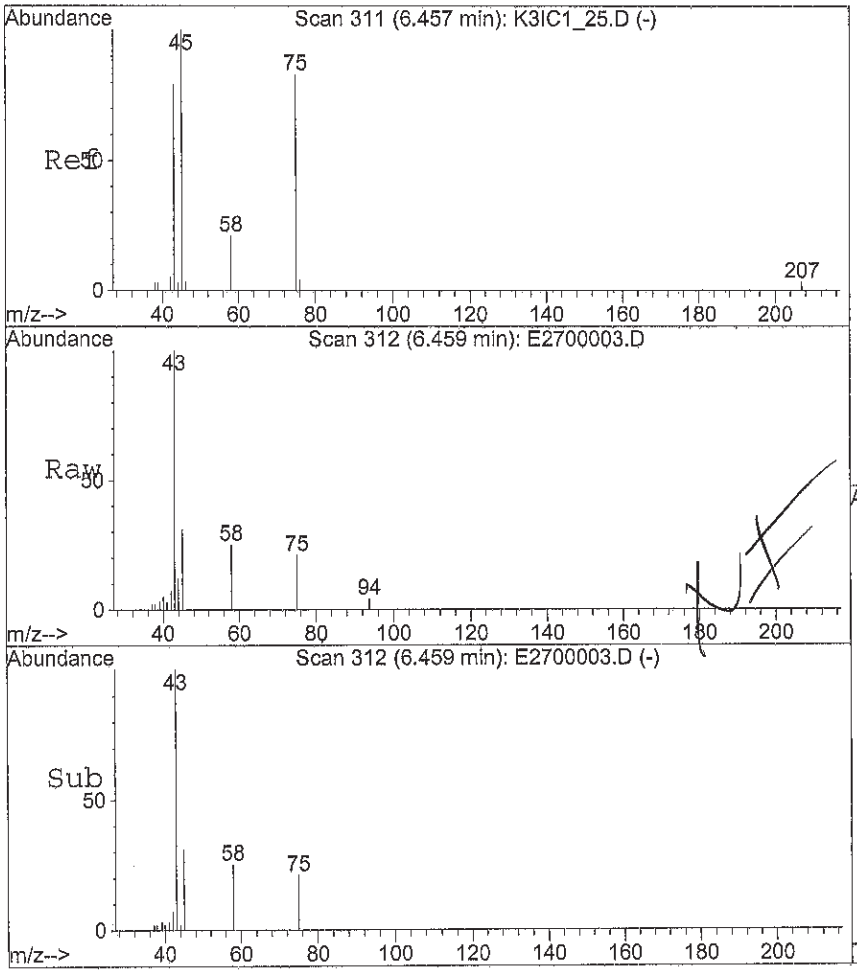


#7
Chloroethane
Concen: 2.52 ug/L
RT: 5.34 min Scan# 179
Delta R.T. 0.10 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 64 Resp: 2763

Ion	Ratio	Lower	Upper
64	100		
66	41.7	35.4	53.0

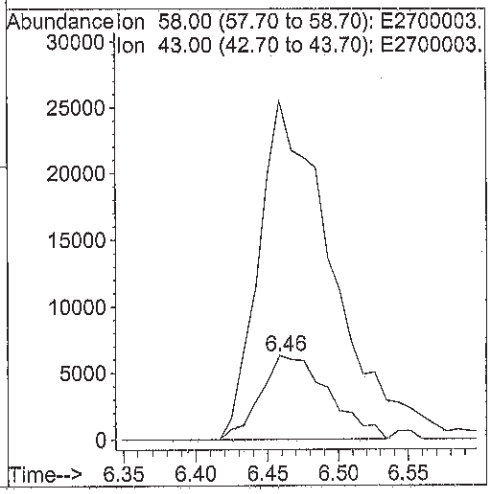


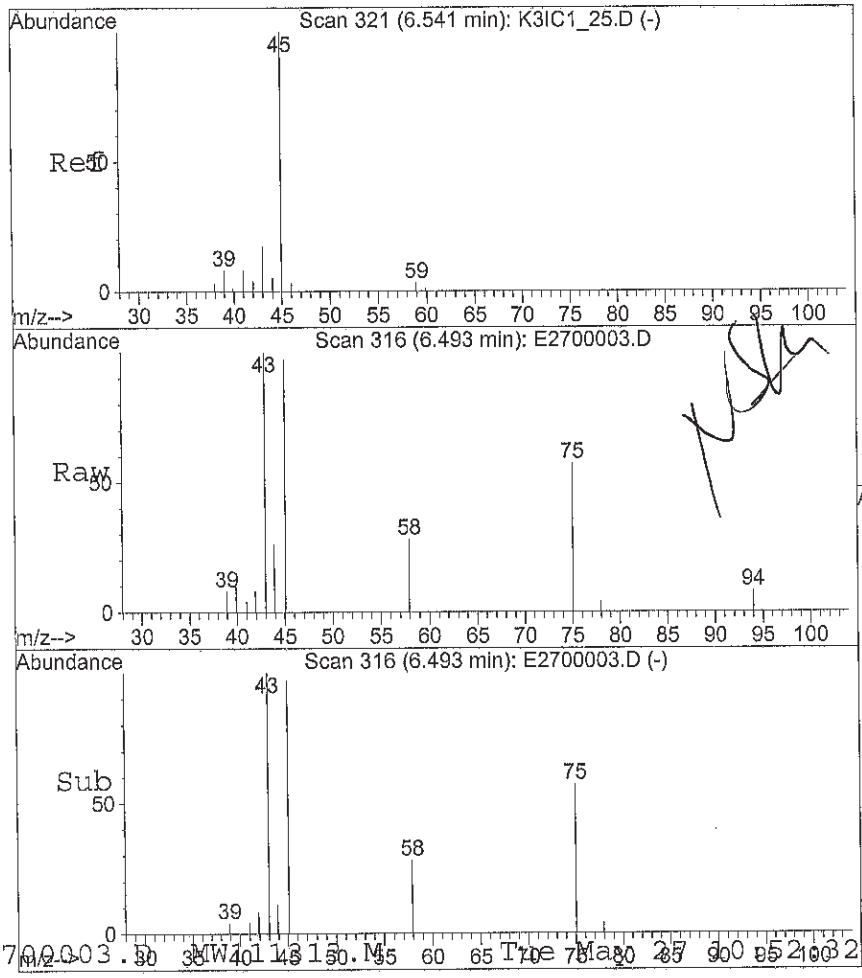


#11
Acetone
Concen: 30.21 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 58 Resp: 20993

Ion	Ratio	Lower	Upper
58	100		
43	445.8	360.9	541.3

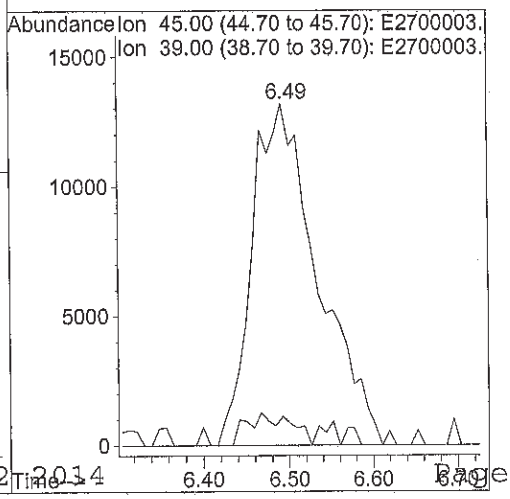


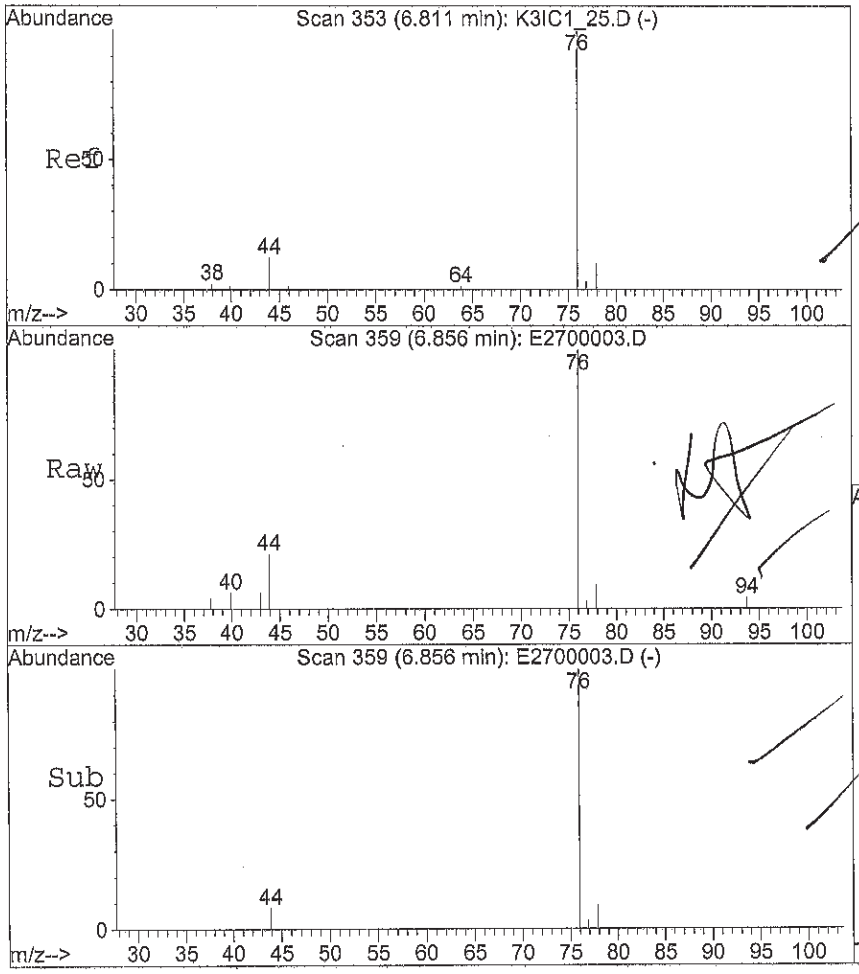


#12
(IPA) Leak Check Compound
Concen: 325.20 ug/L
RT: 6.49 min Scan# 316
Delta R.T. -0.05 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 45 Resp: 70661

Ion	Ratio	Lower	Upper
45	100		
39	2.4	4.9	7.3#

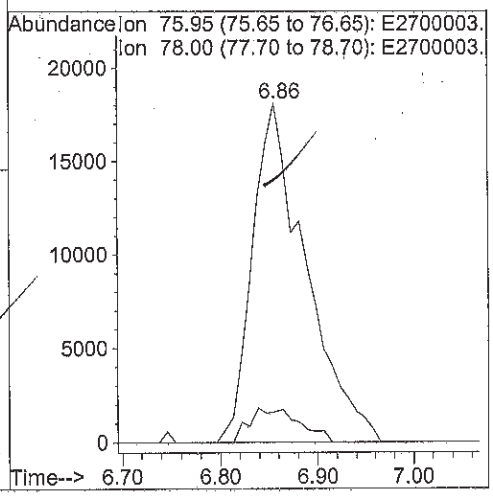


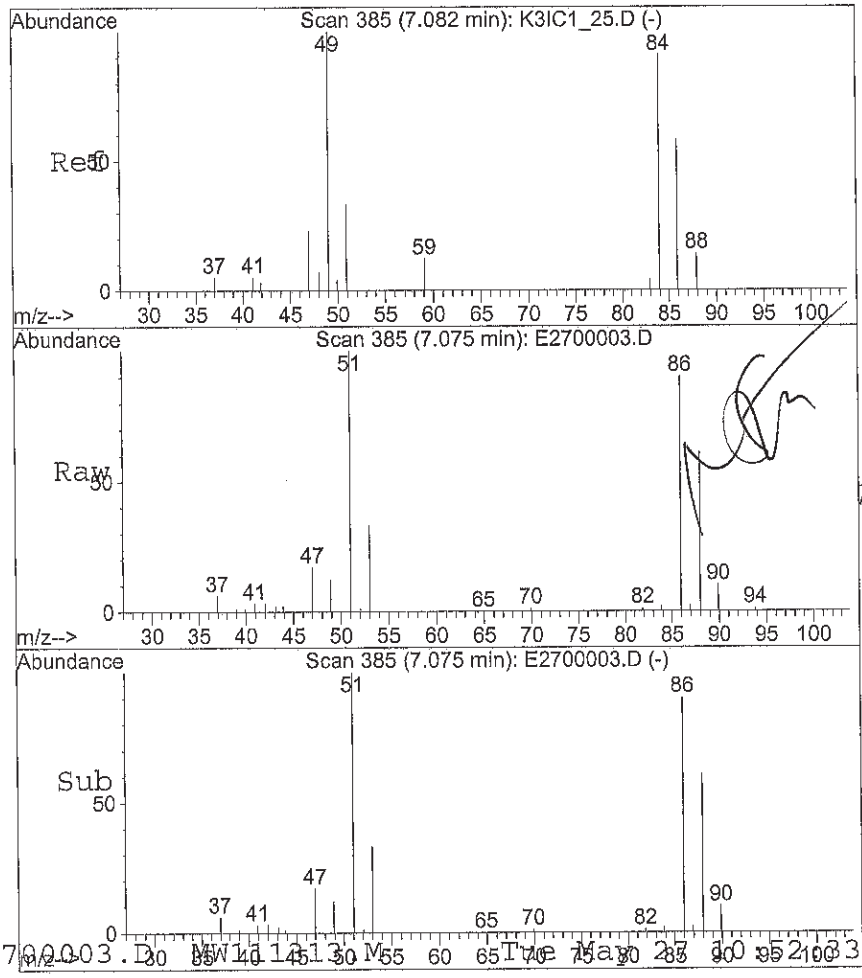


#13
Carbon disulfide
Concen: 4.57 ug/L
RT: 6.86 min Scan# 359
Delta R.T. 0.04 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 76 Resp: 68631

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

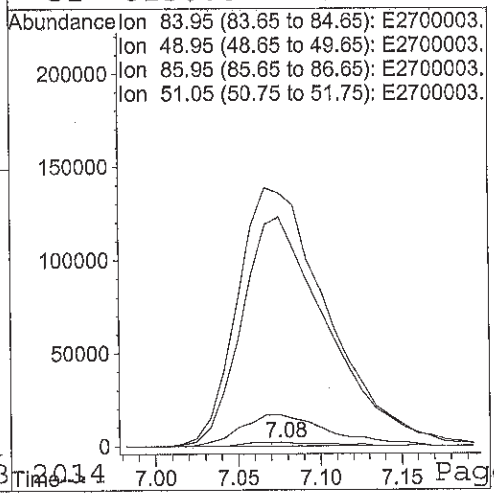


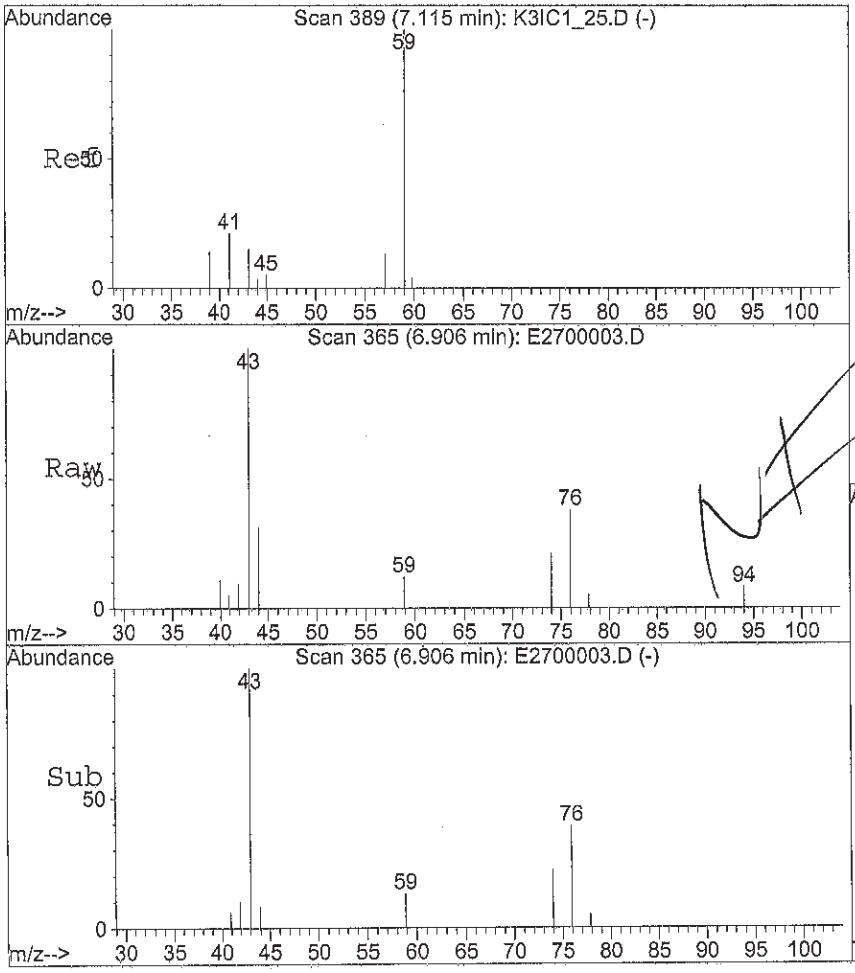


#14
Methylene Chloride
Concen: 1.33 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 84 Resp: 6615

Ion	Ratio	Lower	Upper
84	100		
49	958.5	89.8	134.6#
86	6874.0	51.1	76.7#
51	8130.0	28.5	42.7#

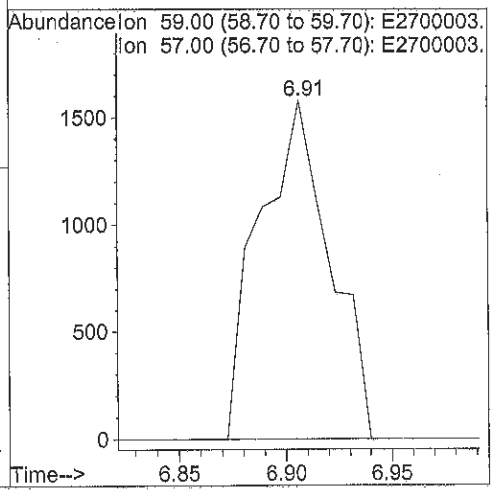


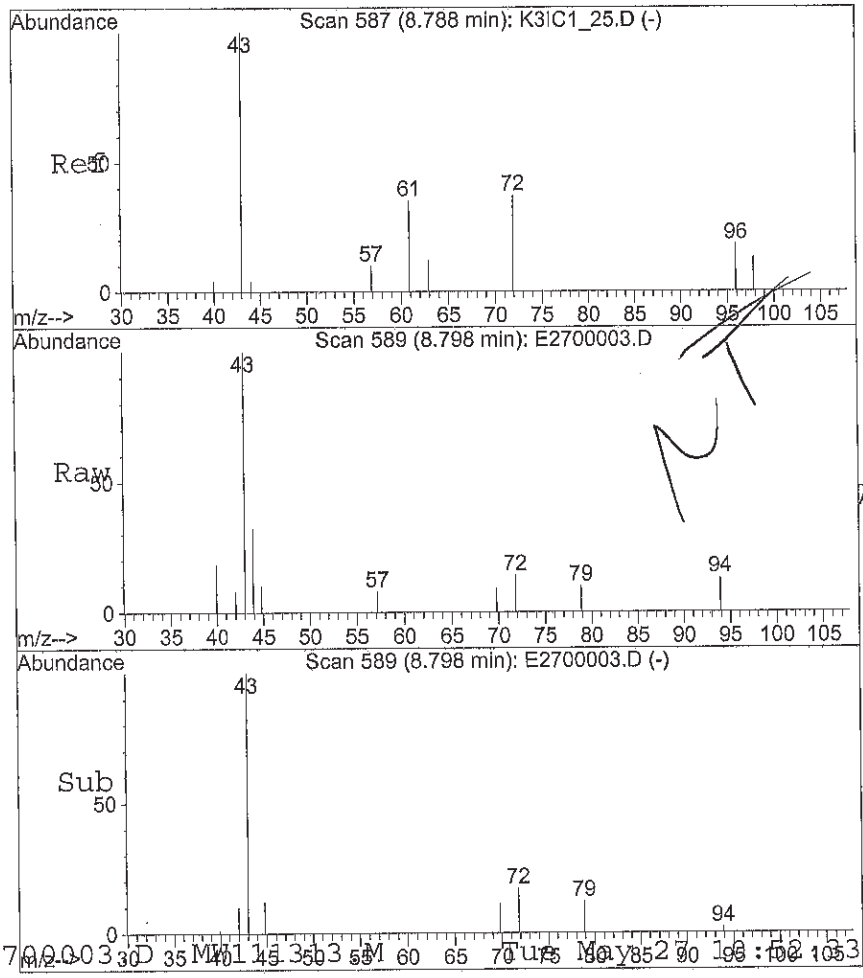


#15
(TBA) tert-Butanol
Concen: 11.76 ug/L
RT: 6.91 min Scan# 365
Delta R.T. -0.21 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 59 Resp: 3628

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

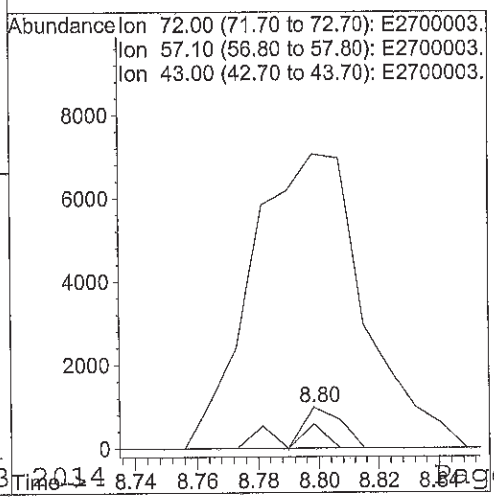


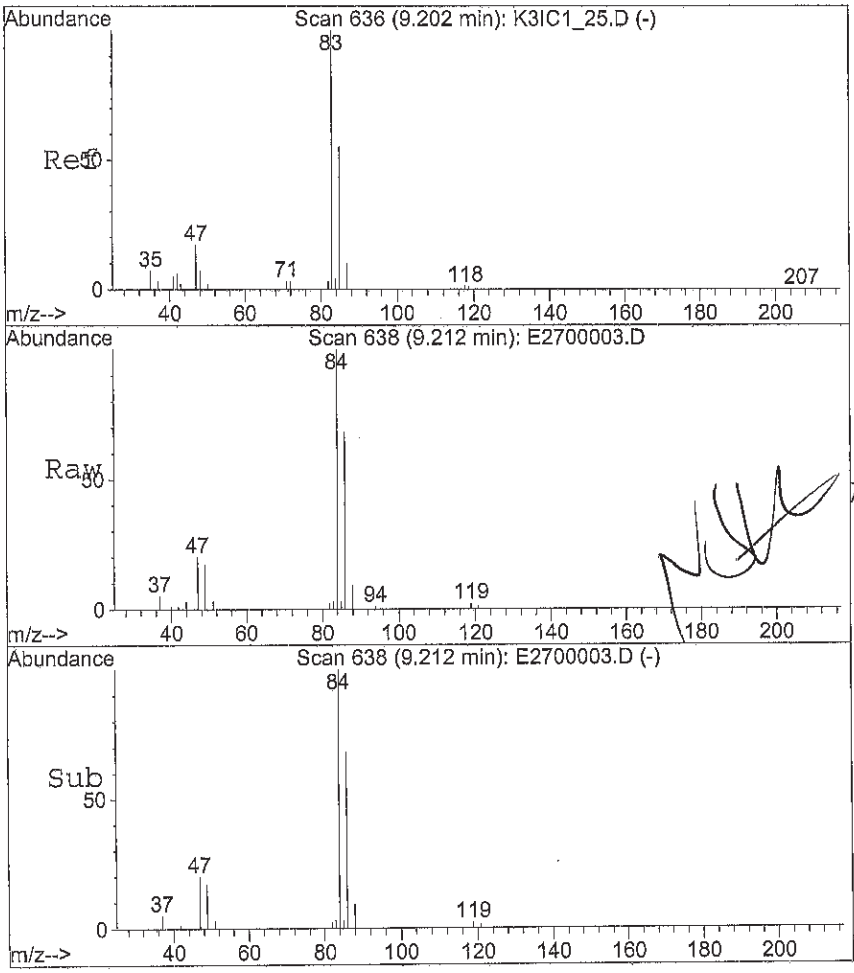


#21
(MEK) 2-Butanone
Concen: 2.18 ug/L
RT: 8.80 min Scan# 589
Delta R.T. 0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 72 Resp: 1109

Ion	Ratio	Lower	Upper
72	100		
57	26.1	17.5	26.3
43	1645.8	314.2	471.2#

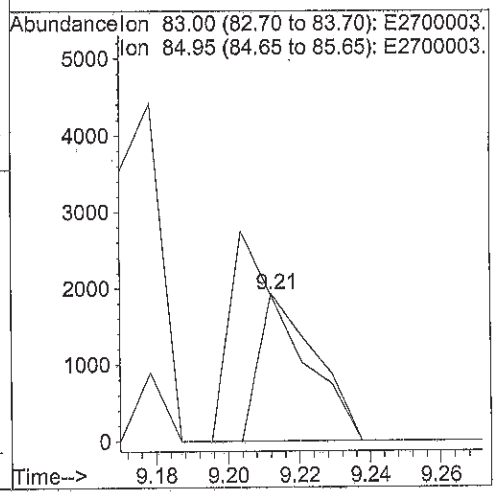


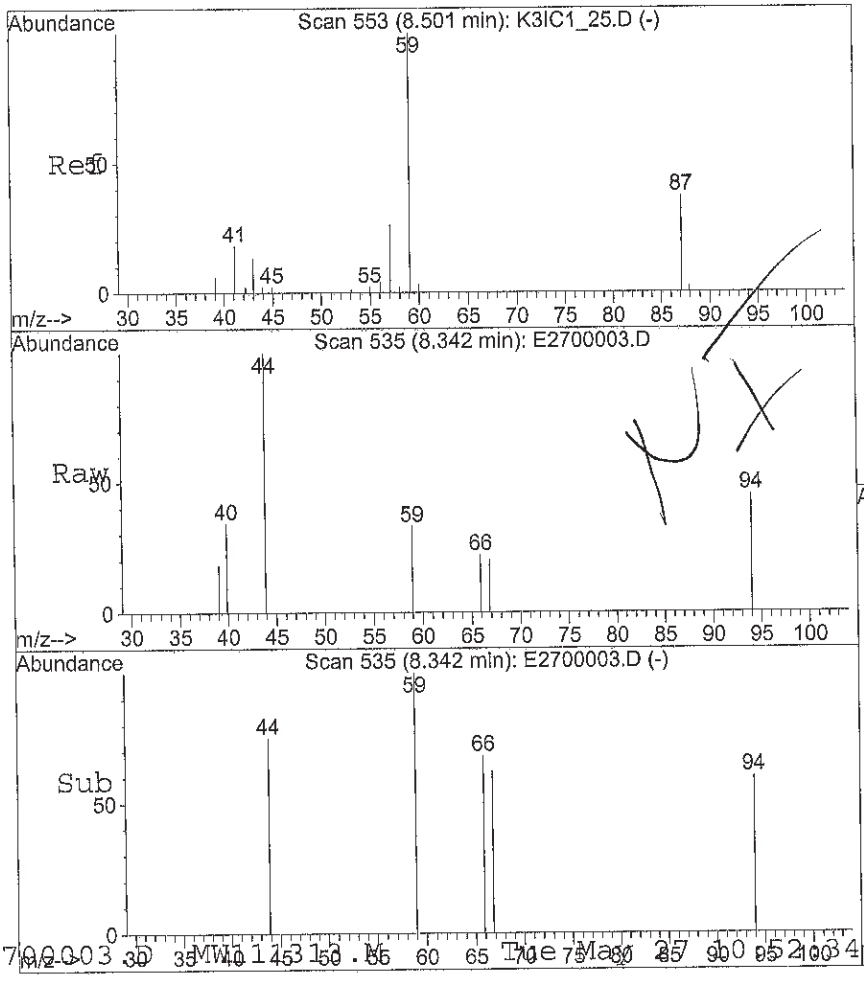


#24
Chloroform
Concen: 0.22 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 83 Resp: 2110

Ion	Ratio	Lower	Upper
83	100		
85	153.9	51.8	77.6#

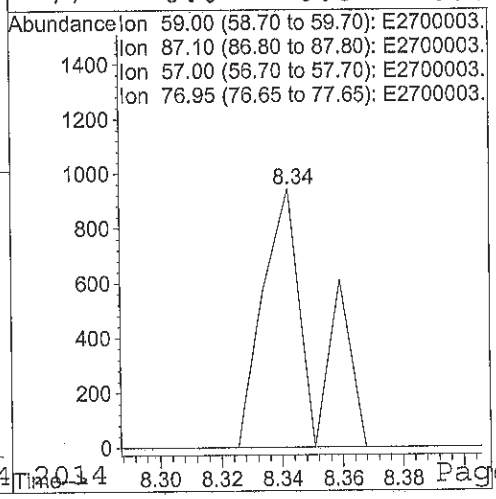


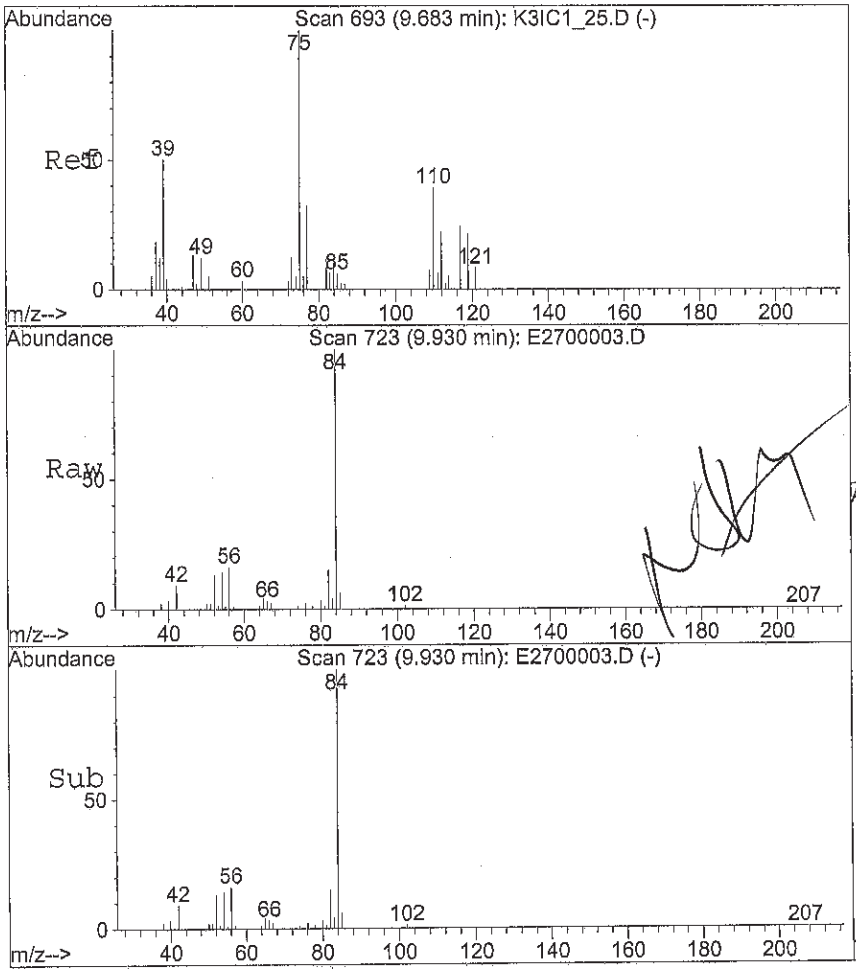


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.08 ug/L
RT: 8.34 min Scan# 535
Delta R.T. -0.16 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 59 Resp: 1076

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

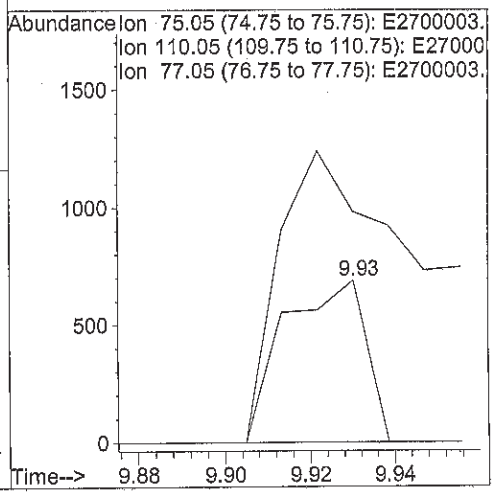


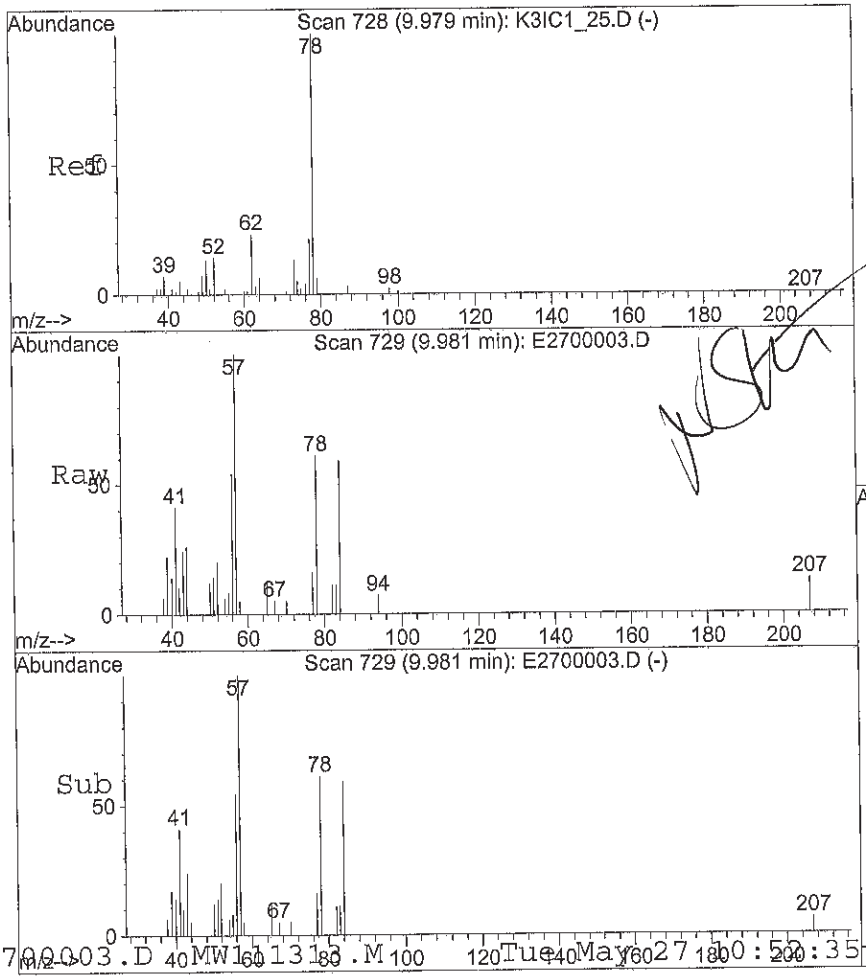


#29
1,1-Dichloropropene
Concen: 0.13 ug/L
RT: 9.93 min Scan# 723
Delta R.T. 0.25 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 75 Resp: 914

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	265.0	25.0	37.4#

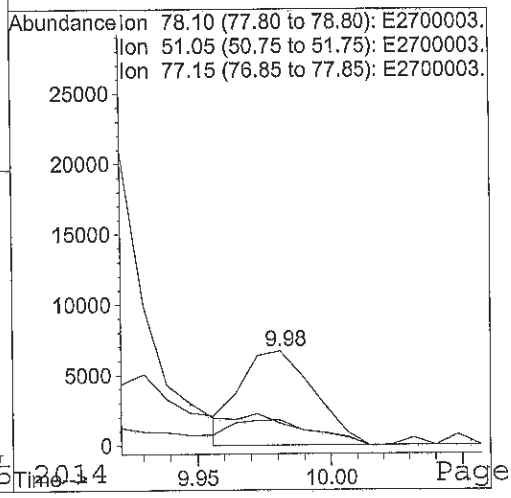


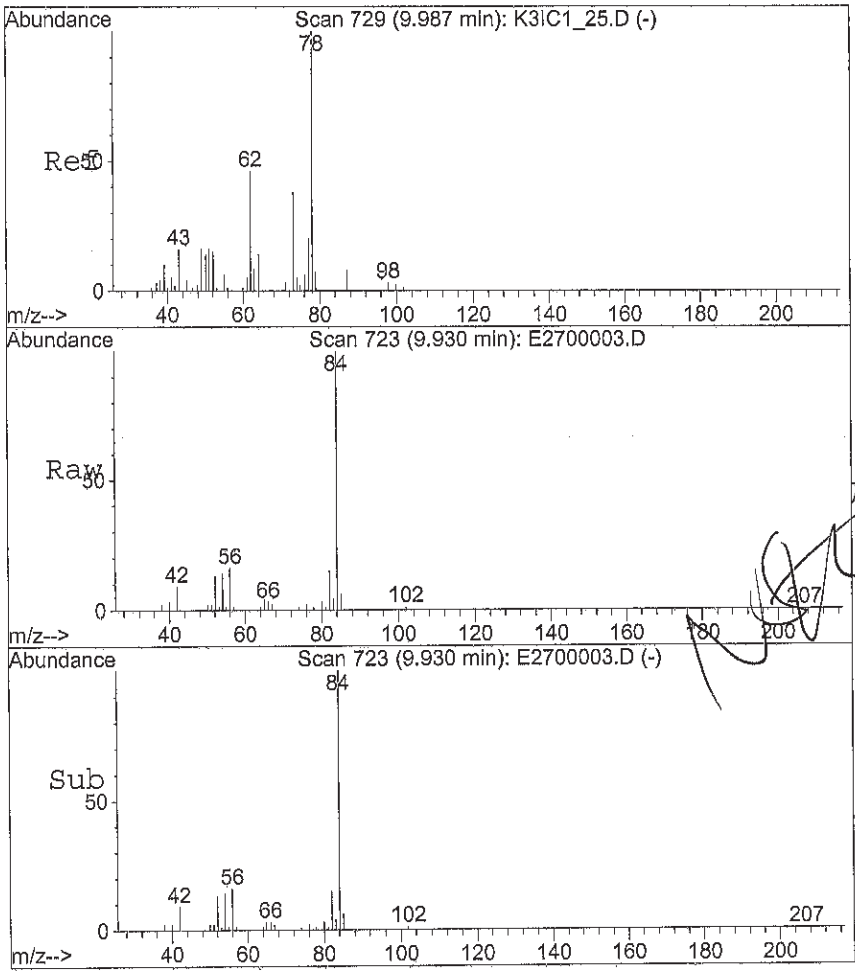


#31
Benzene
Concen: 0.75 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 78 Resp: 12818

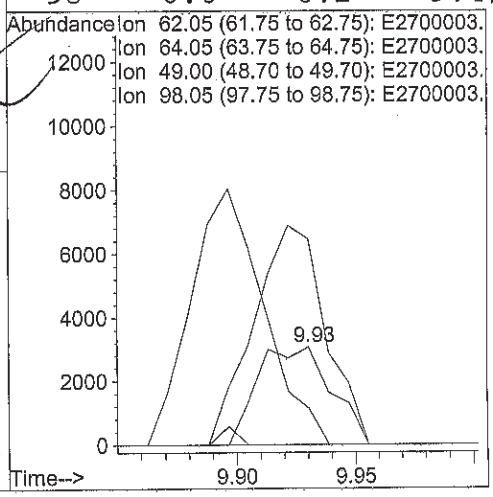
Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	32.7	16.6	24.8#

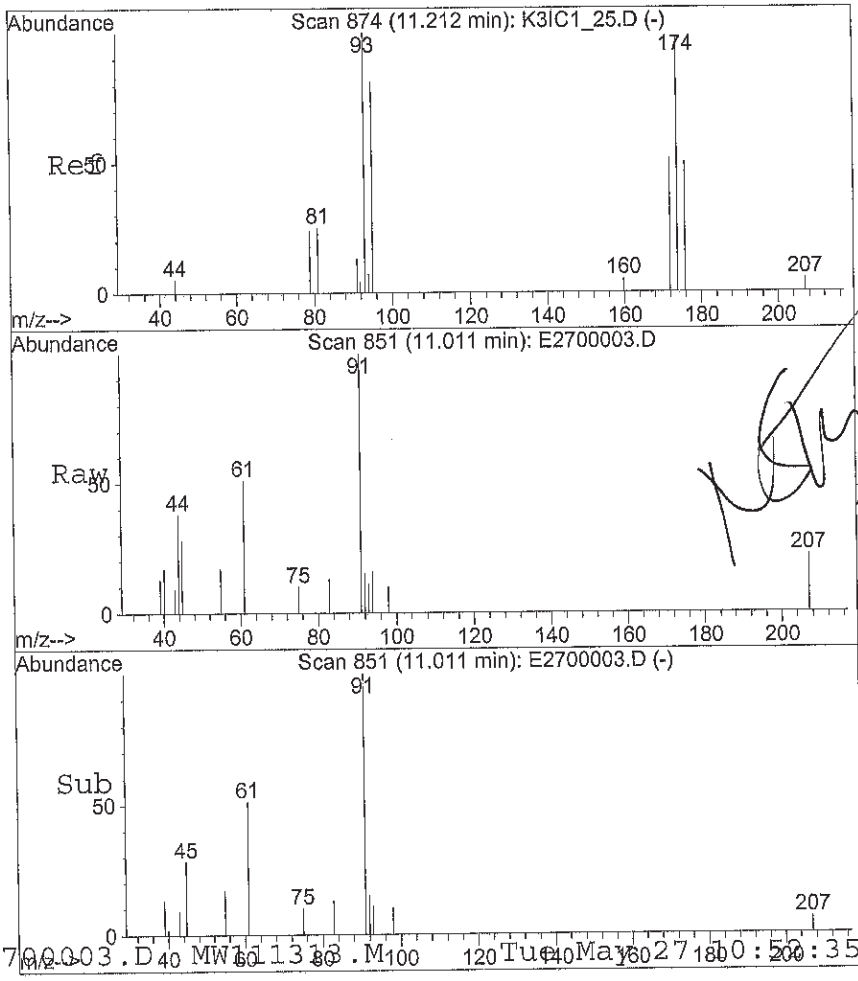




#32
1,2-Dichloroethane
Concen: 1.10 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

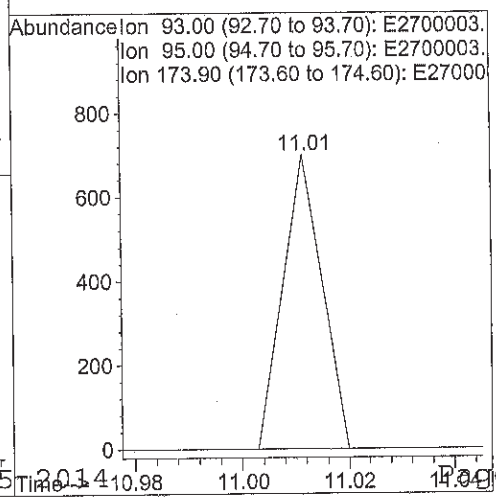
Tgt Ion: 62	Resp:	6604	
Ion	Ratio	Lower	Upper
62	100		
64	218.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

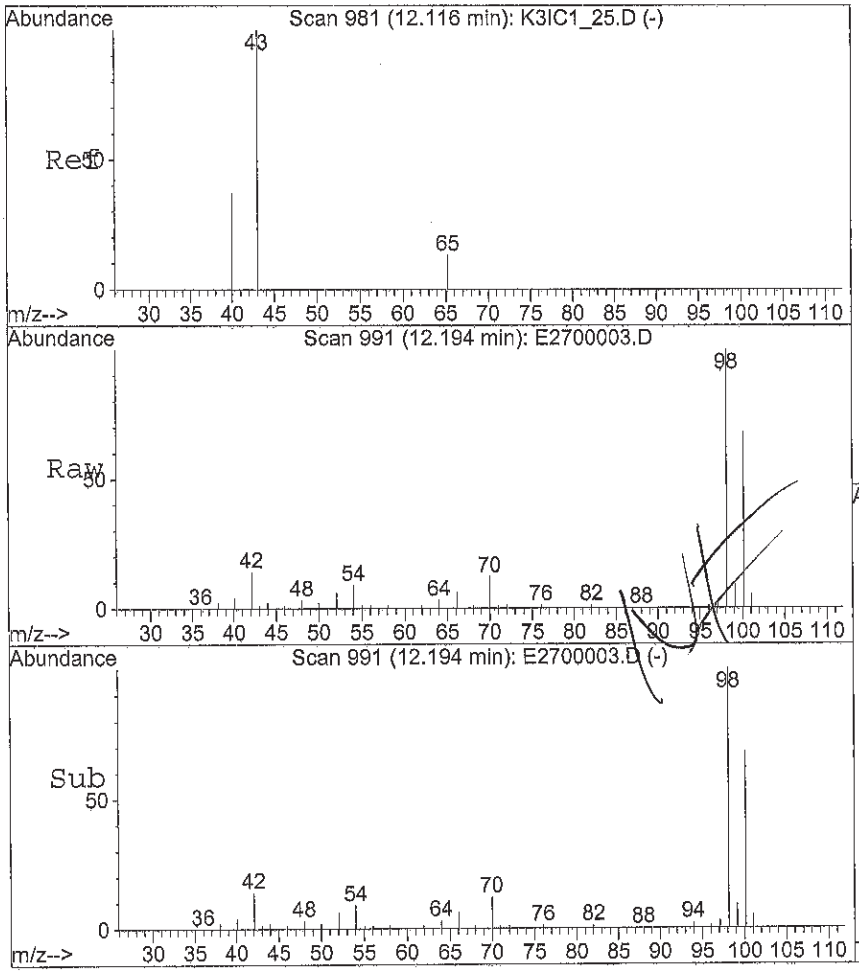




#35
Dibromomethane
Concen: 0.11 ug/L
RT: 11.01 min Scan# 851
Delta R.T. -0.20 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 93	Resp:	354	
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

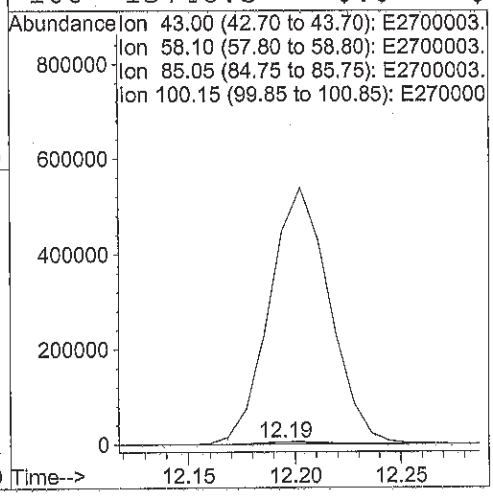


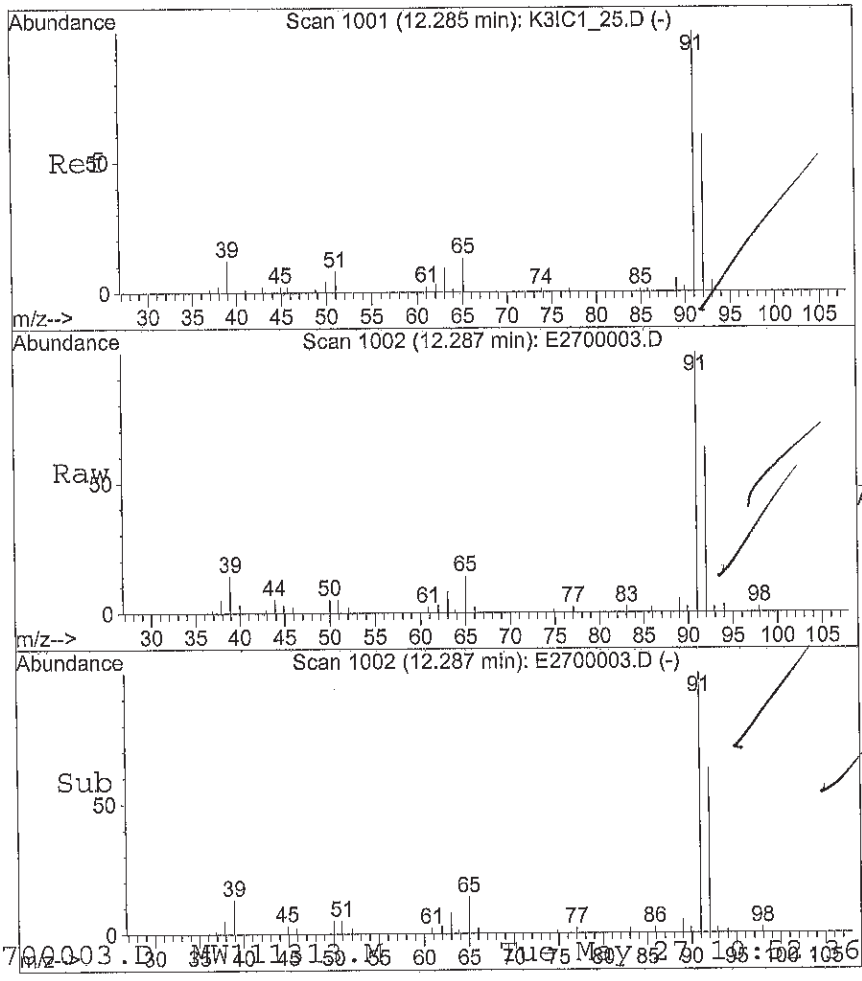


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.87 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 43 Resp: 7694

Ion	Ratio	Lower	Upper
43	100		
58	141.8	0.0	0.0#
85	0.0	0.0	0.0
100	13746.5	0.0	0.0#

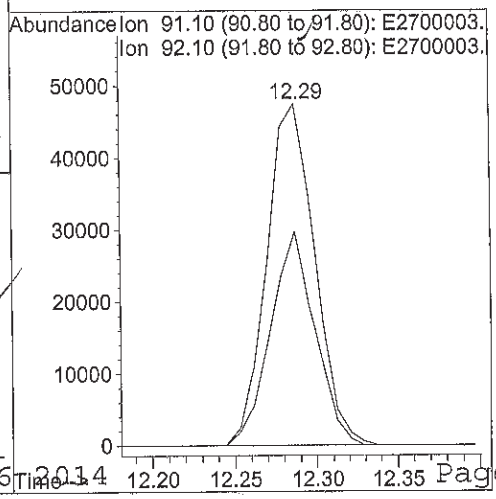


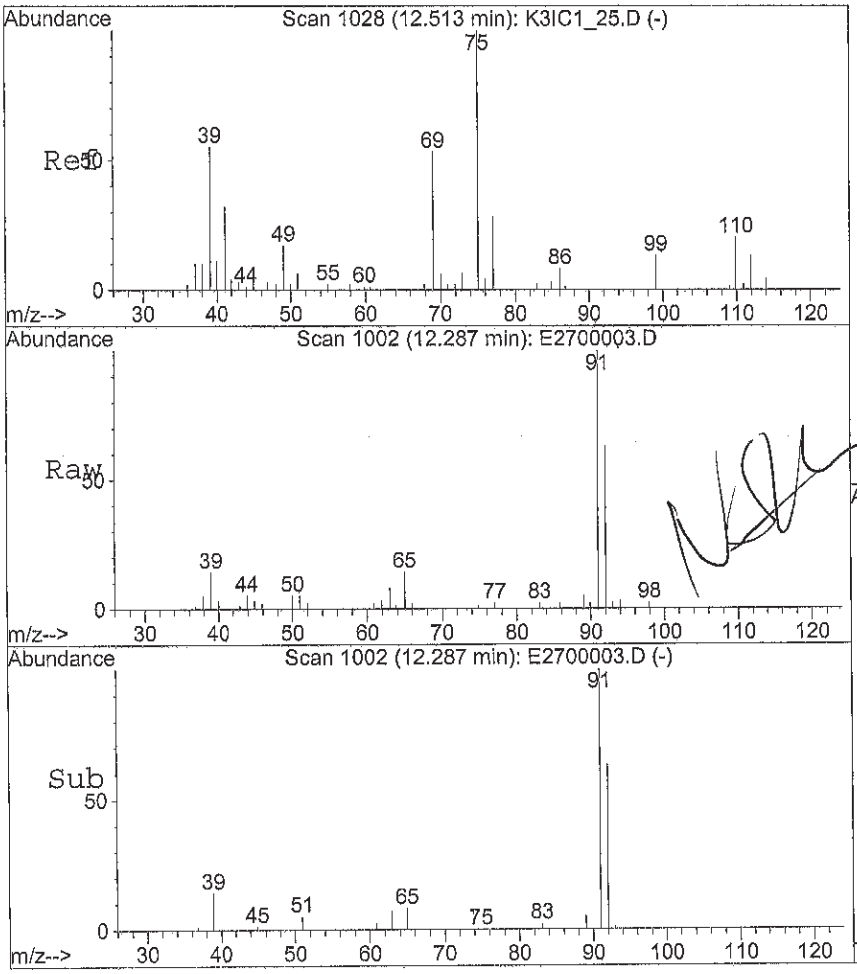


#41
Toluene
Concen: 5.26 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 91 Resp: 96304

Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.4	71.0

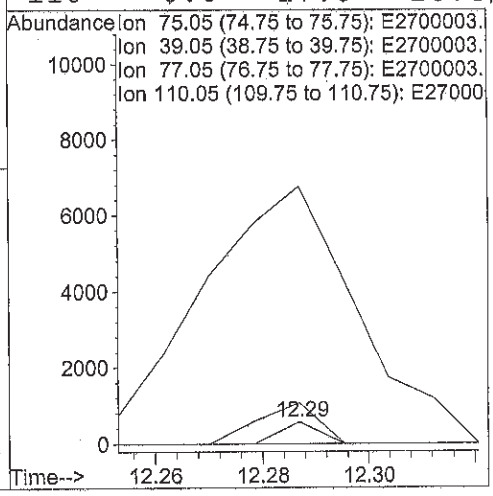


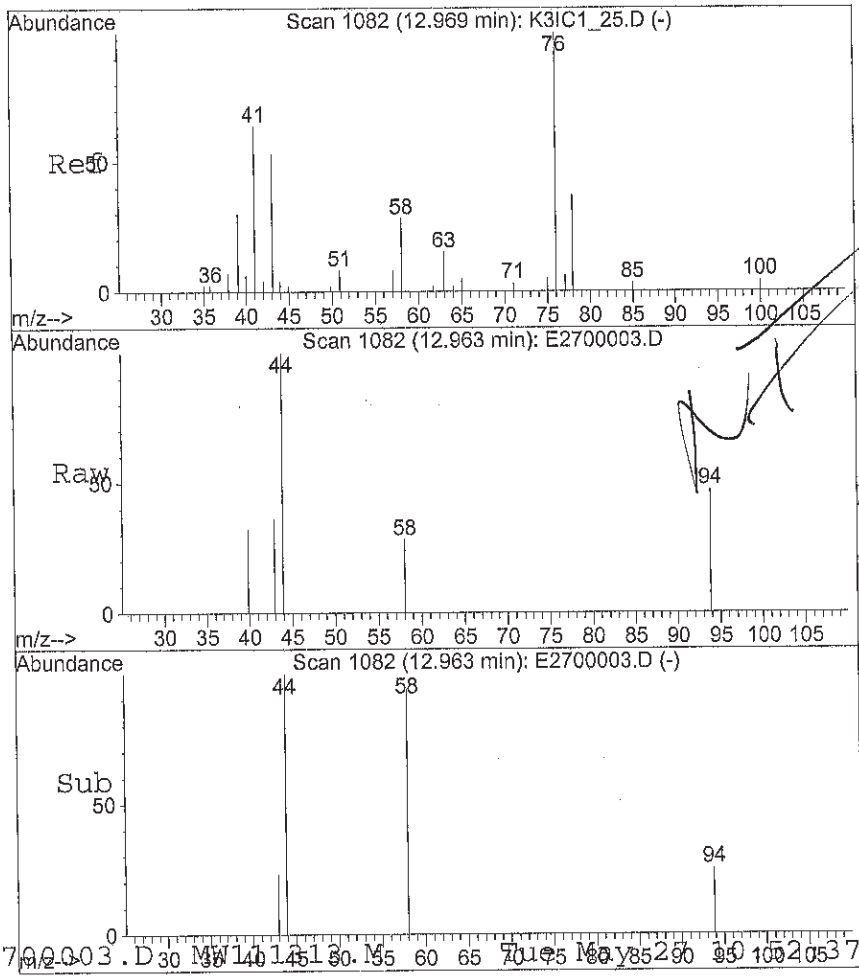


#42
trans-1,3-Dichloropropene
Concen: 0.05 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. -0.23 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 75 Resp: 291

Ion	Ratio	Lower	Upper
75	100		
39	4846.4	53.6	80.4#
77	288.0	25.4	38.2#
110	0.0	17.6	26.4#

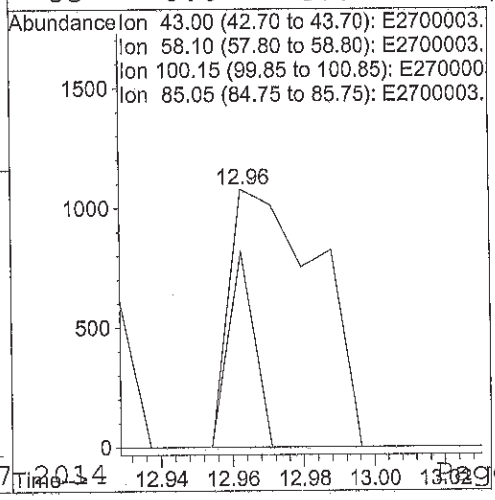


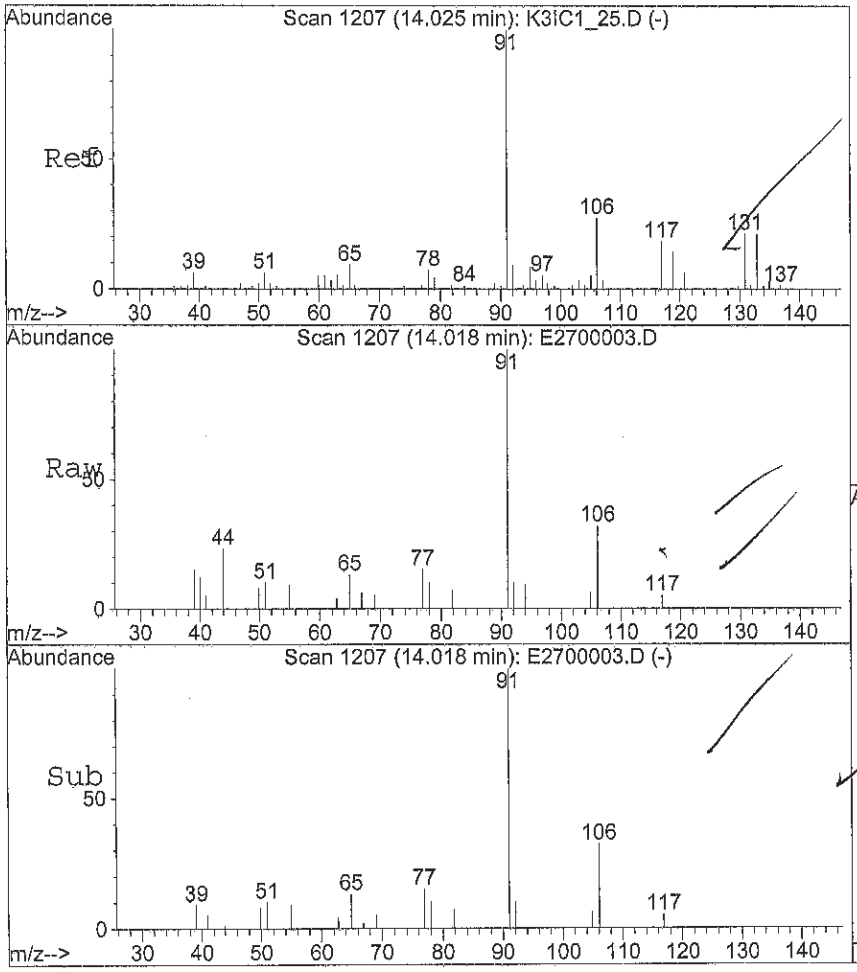


#46
2-Hexanone
Concen: 0.63 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 43 Resp: 1860

Ion	Ratio	Lower	Upper
43	100		
58	22.4	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

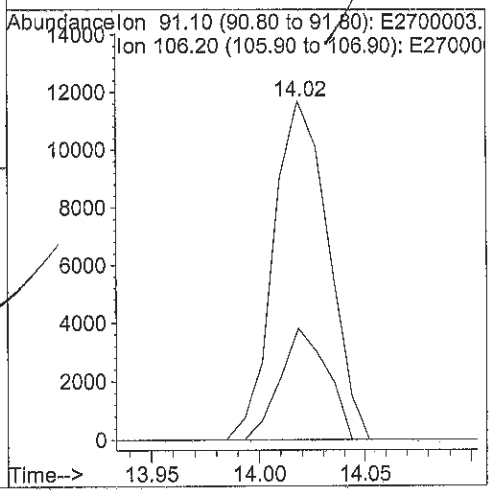


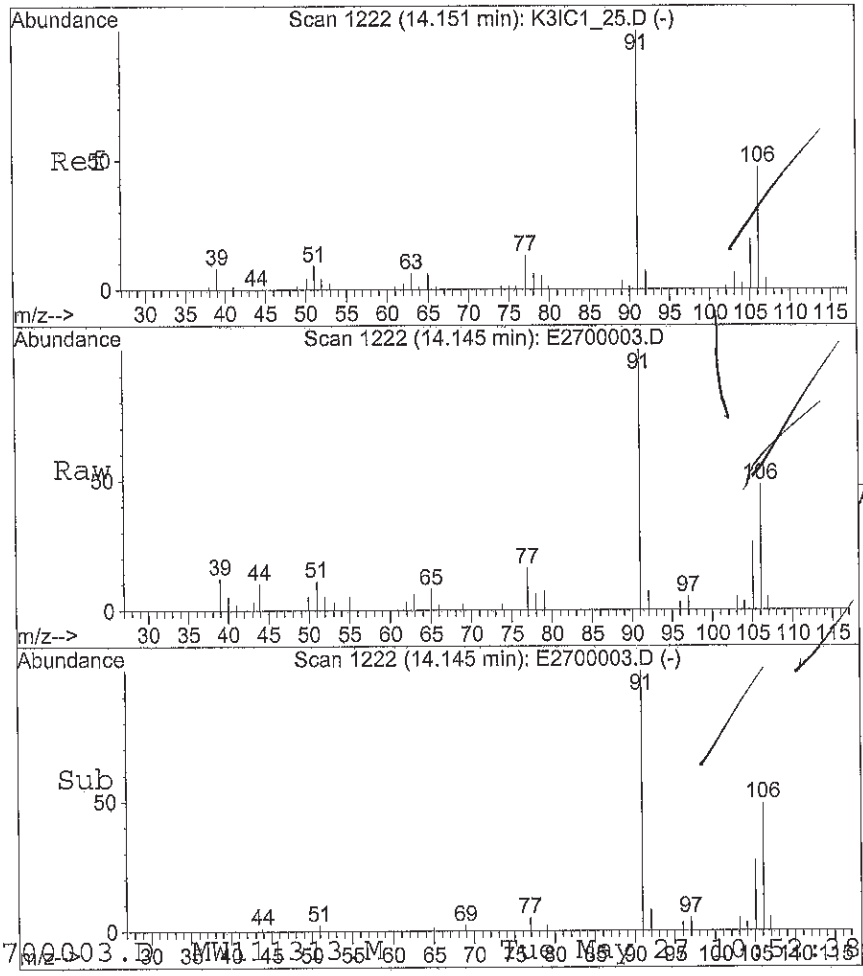


#51
Ethylbenzene
Concen: 1.00 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 91 Resp: 20829

Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.5	35.3

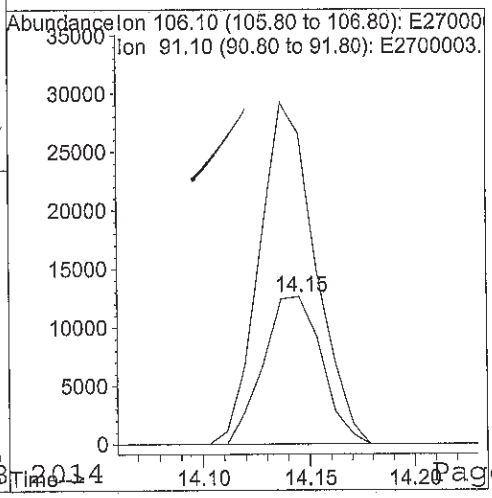


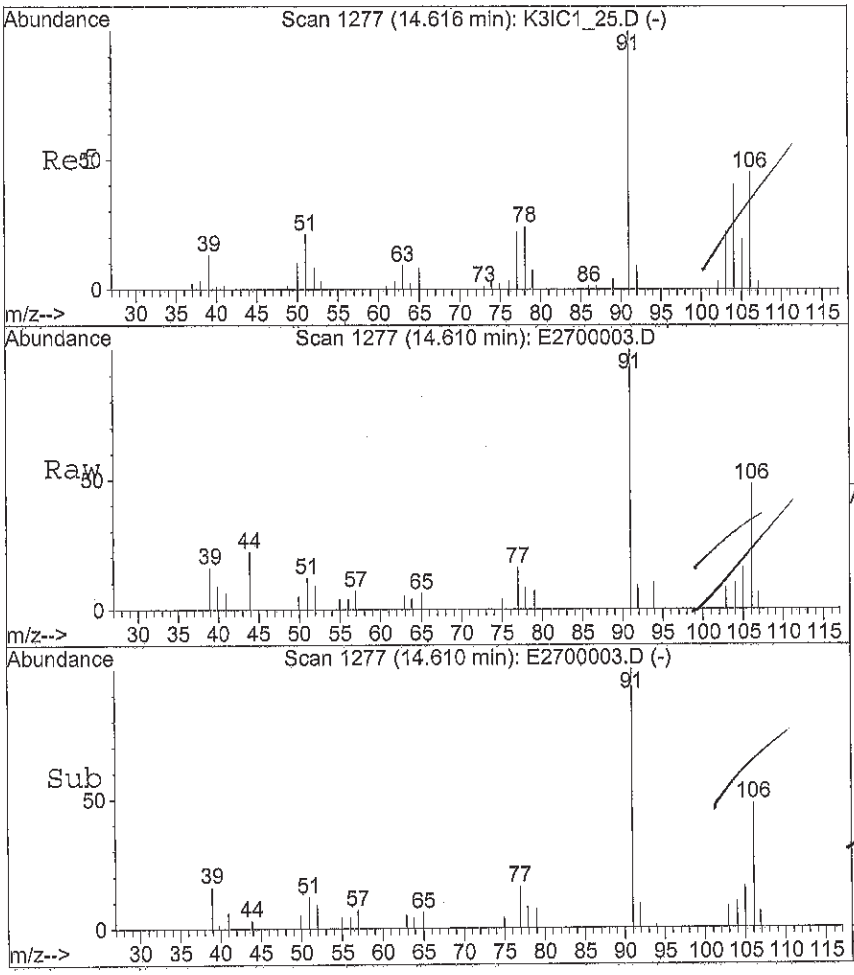


#52
m,p-Xylenes
Concen: 3.27 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:106 Resp: 24163

Ion	Ratio	Lower	Upper
106	100		
91	221.3	177.1	265.7

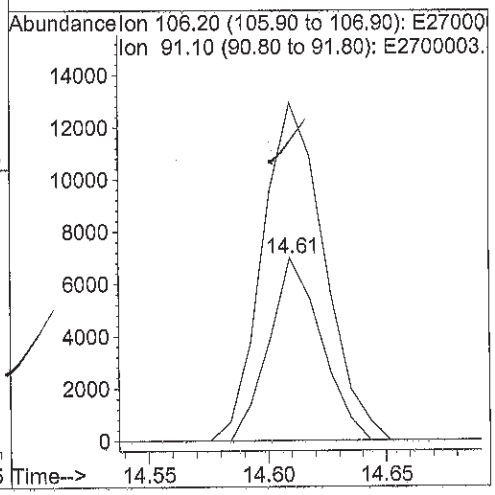


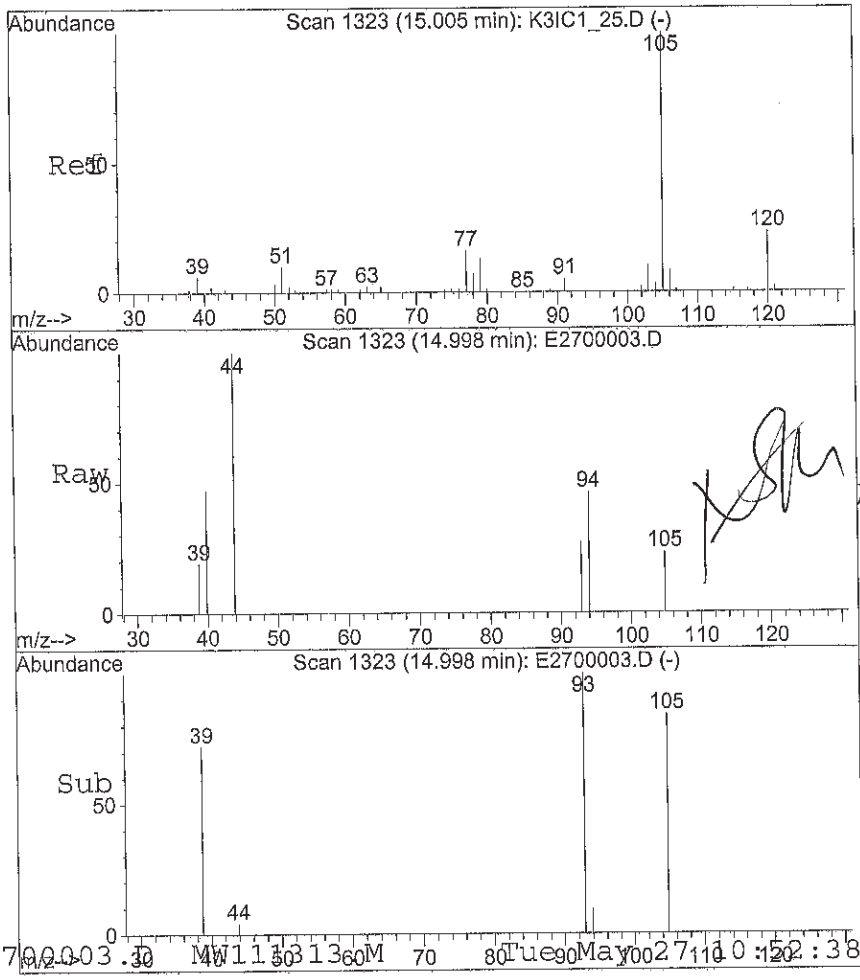


#53
o-Xylene
Concen: 1.46 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:106 Resp: 10708

Ion	Ratio	Lower	Upper
106	100		
91	219.0	179.0	268.6

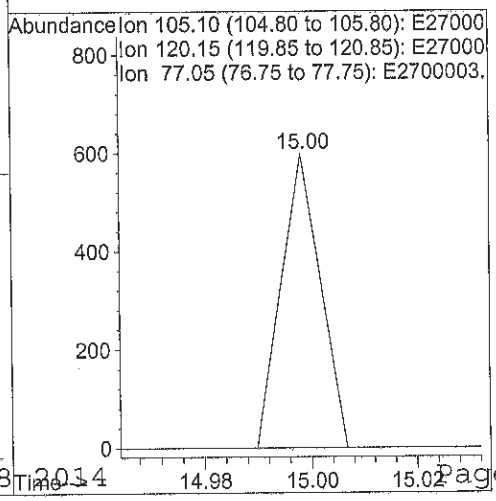


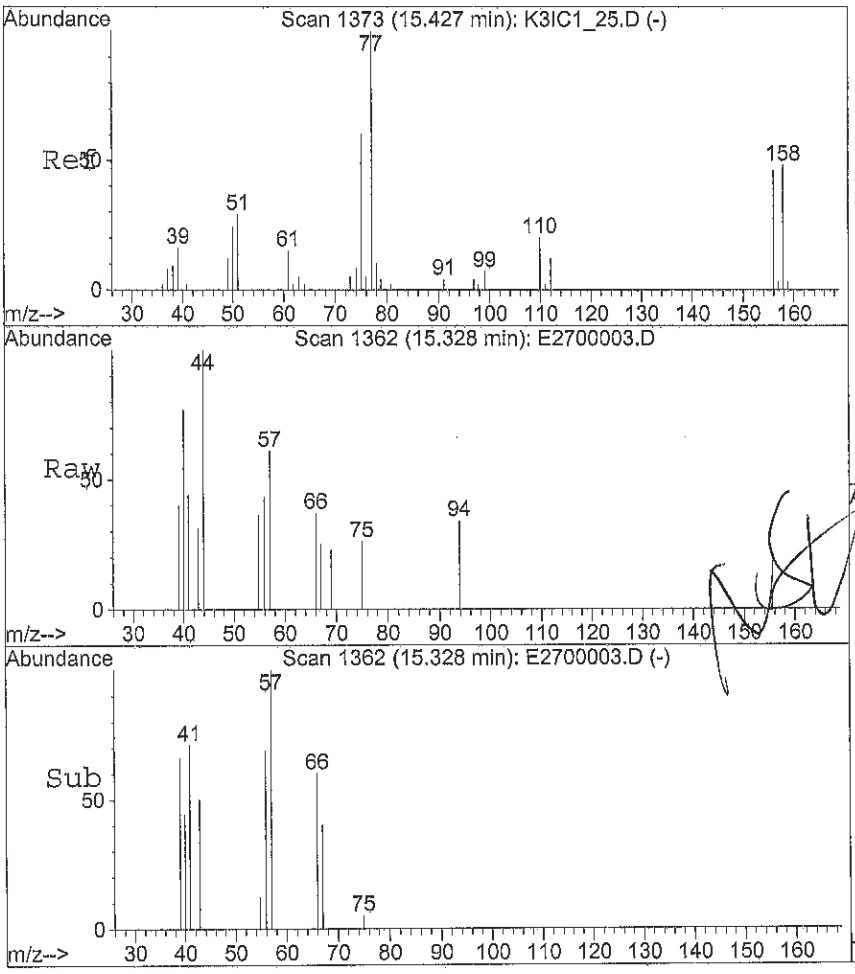


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:105 Resp: 303

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

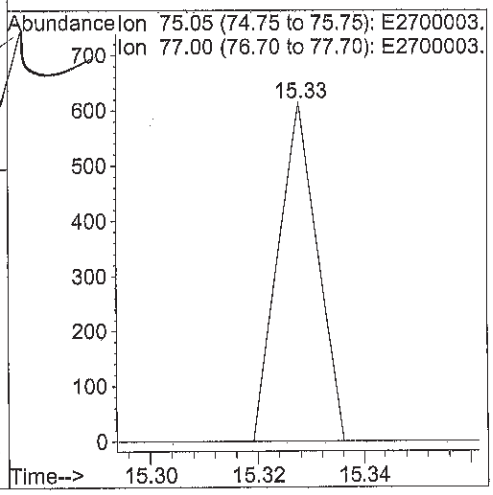


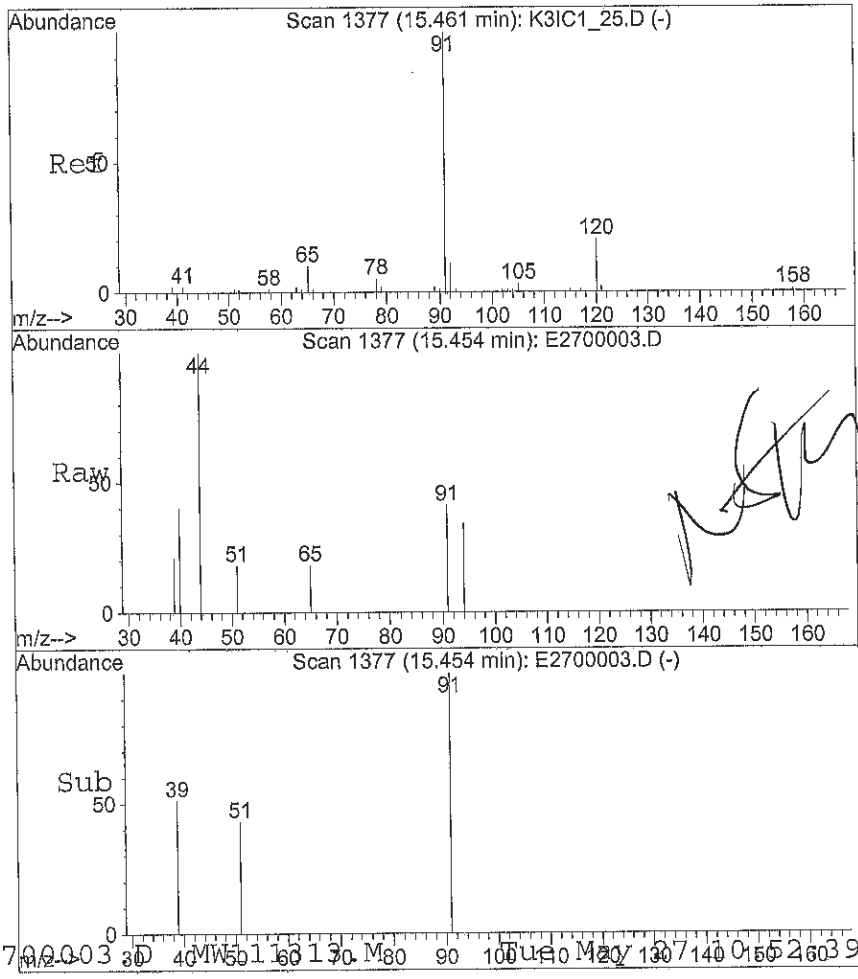


#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.33 min Scan# 1362
Delta R.T. -0.10 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 75 Resp: 311

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

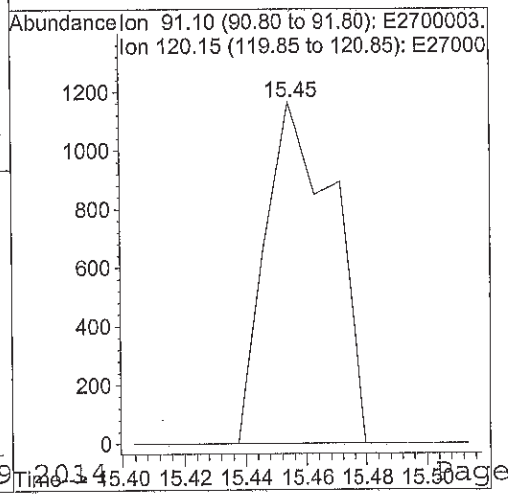


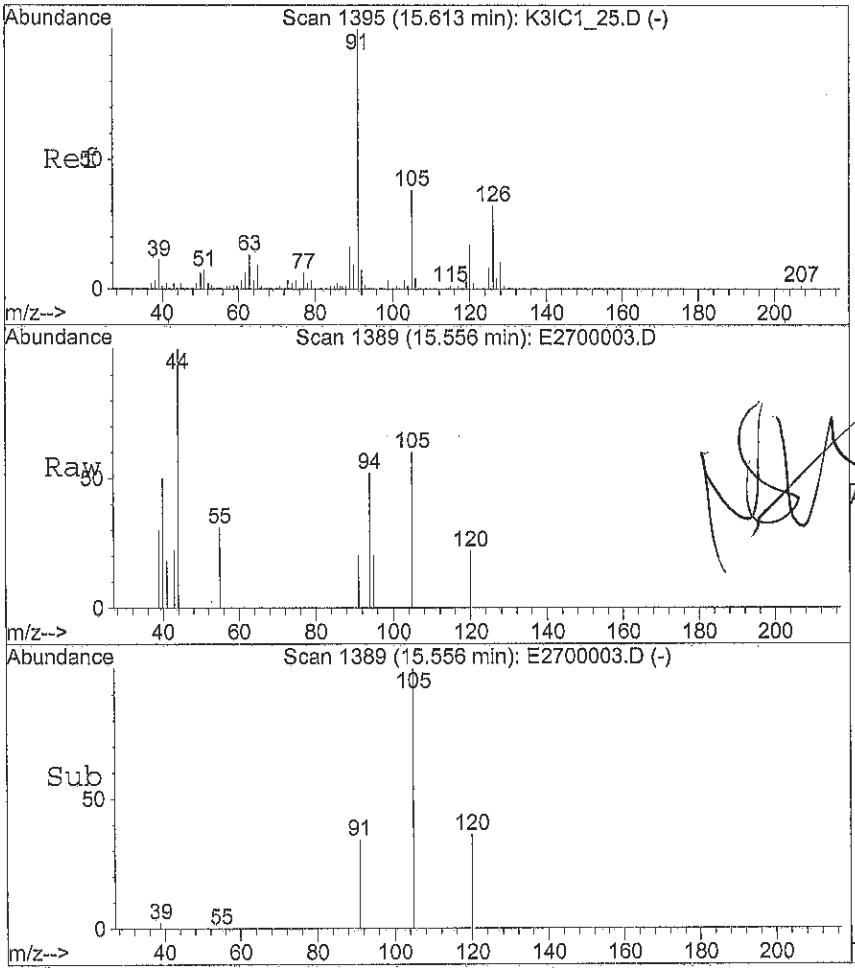


#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 91 Resp: 1810

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

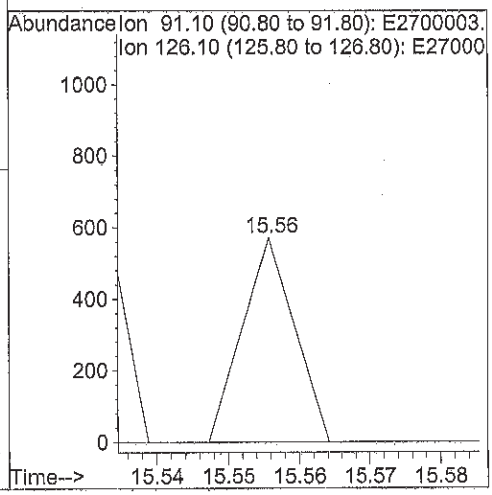


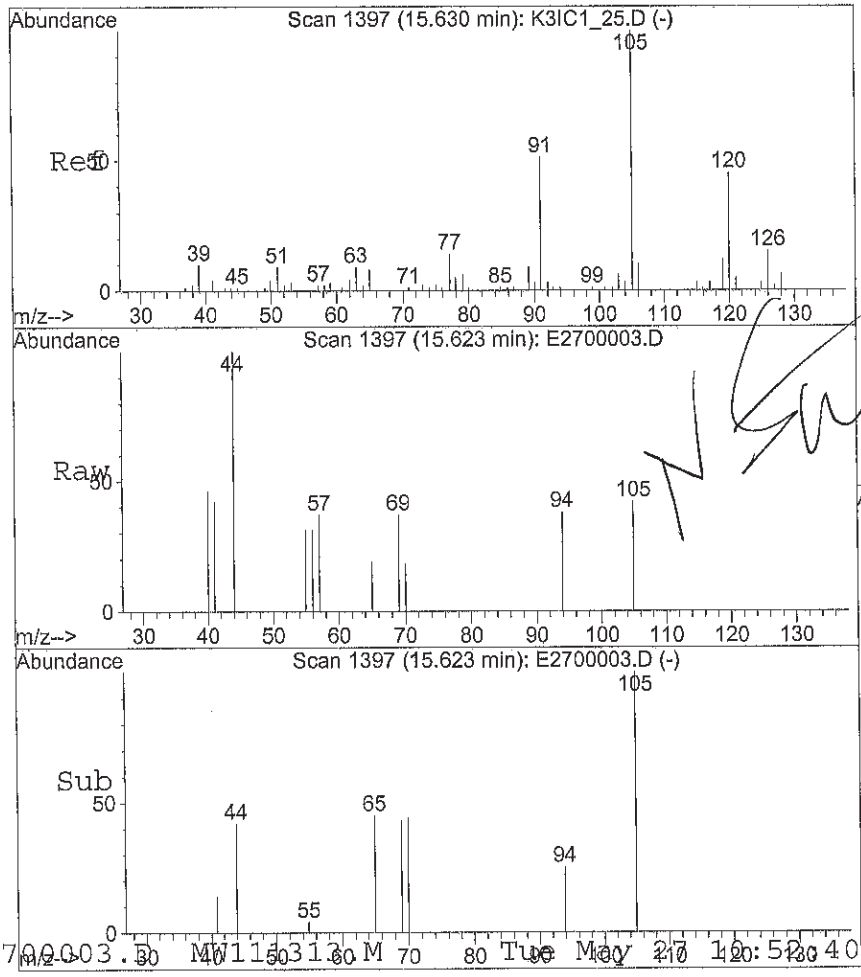


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.56 min Scan# 1389
Delta R.T. -0.06 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 91 Resp: 290

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

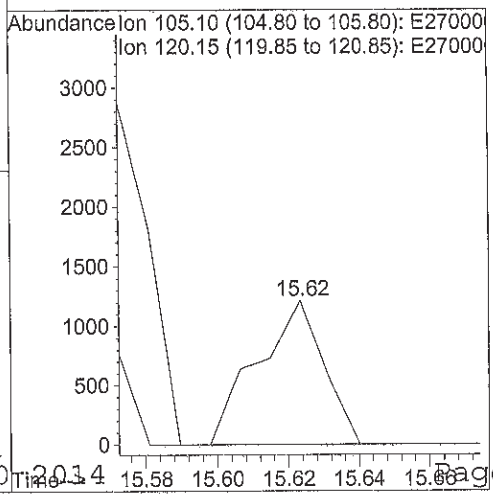


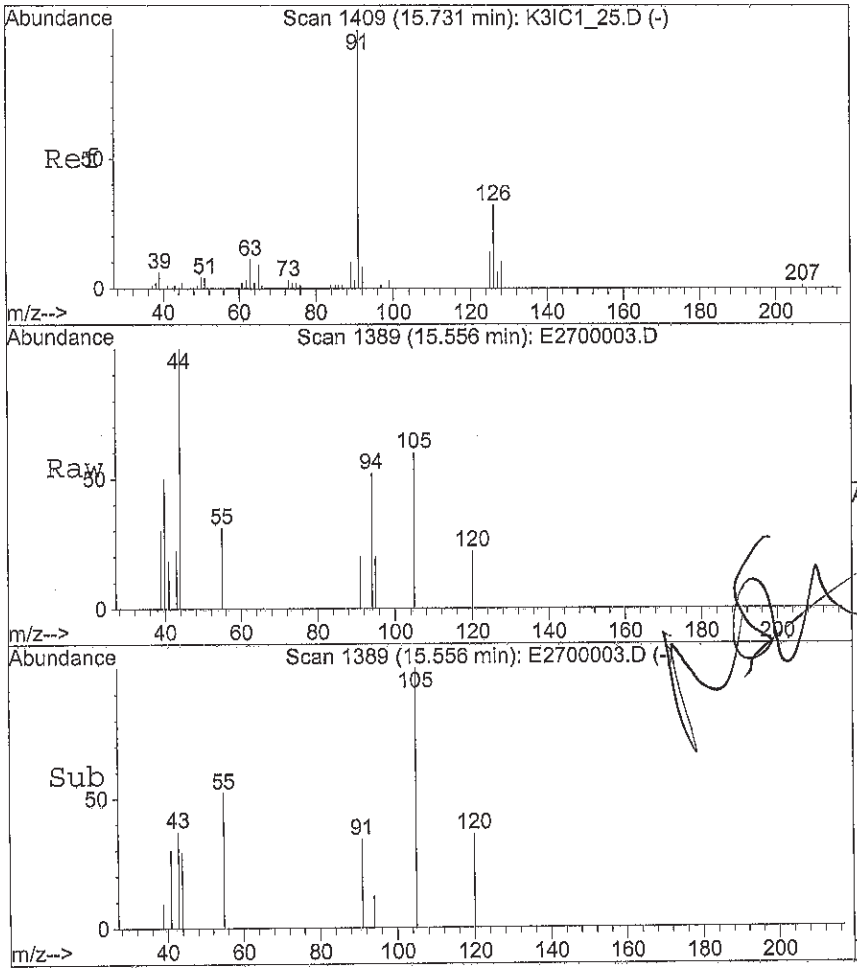


#64
1,3,5-Trimethylbenzene
Concen: 0.09 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:105 Resp: 1575

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

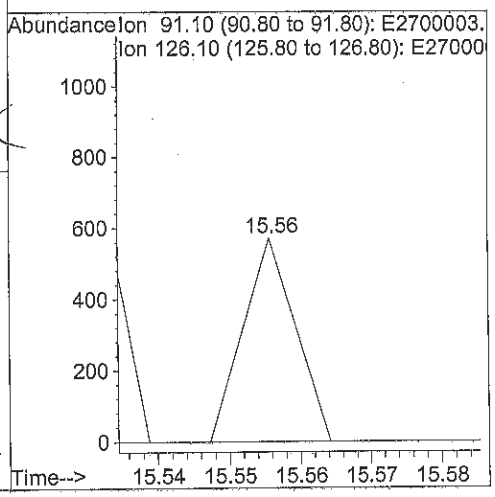


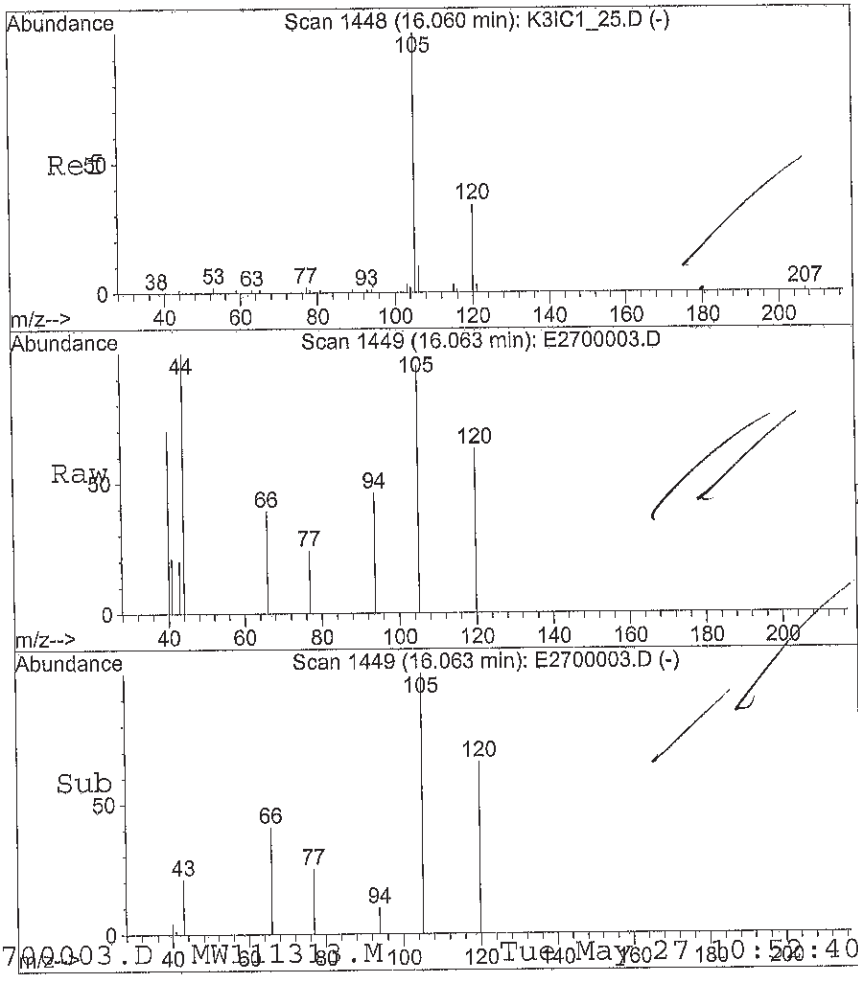


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.56 min Scan# 1389
Delta R.T. -0.18 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion: 91 Resp: 290

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

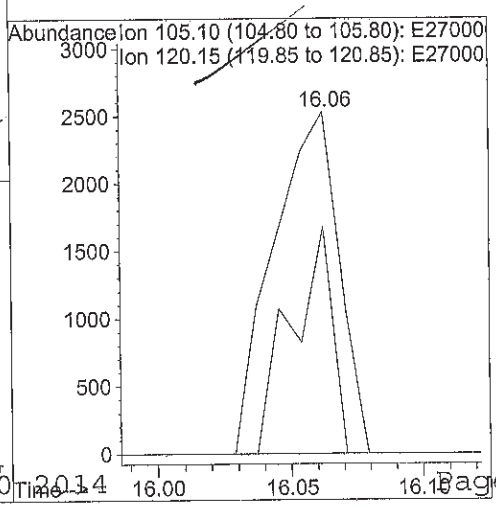


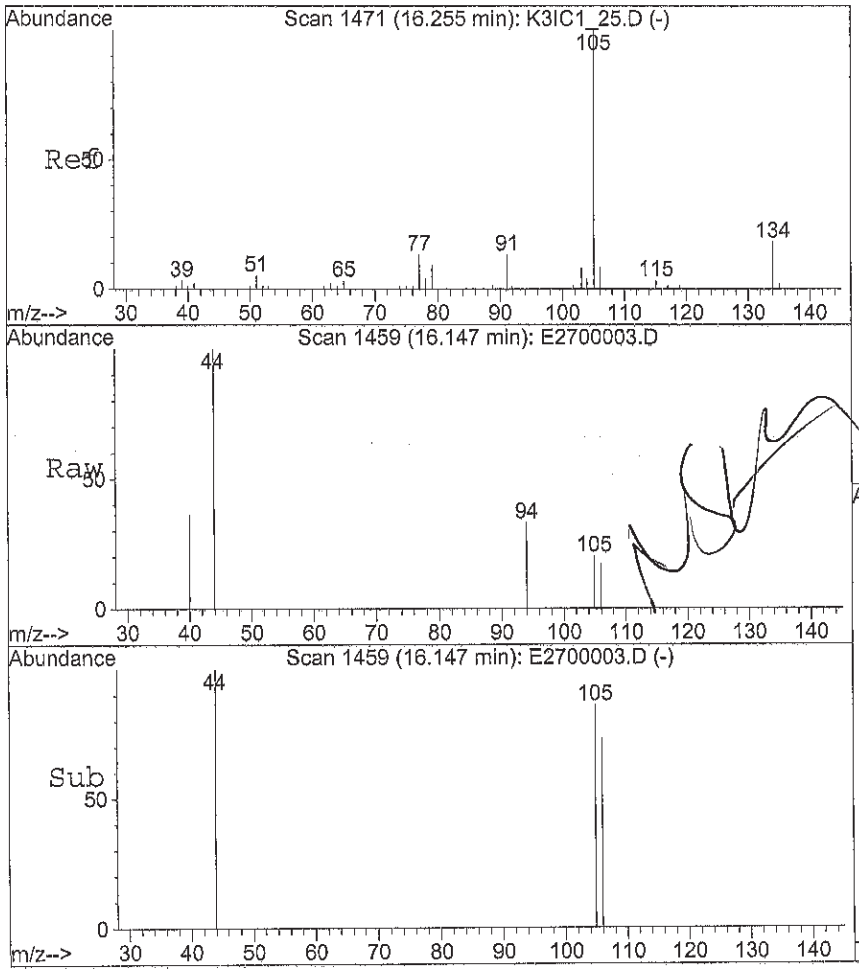


#67
1,2,4-Trimethylbenzene
Concen: 0.24 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:105 Resp: 4346

Ion	Ratio	Lower	Upper
105	100		
120	41.6	33.8	50.8

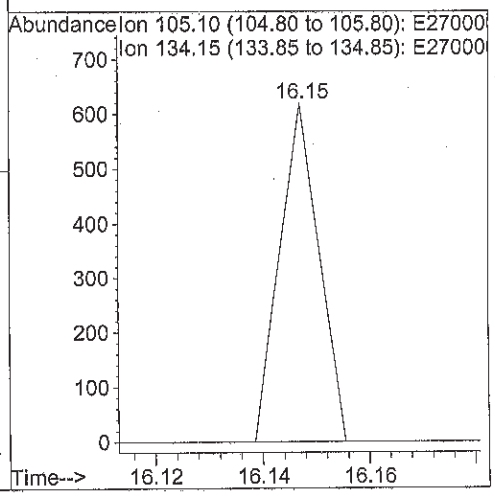


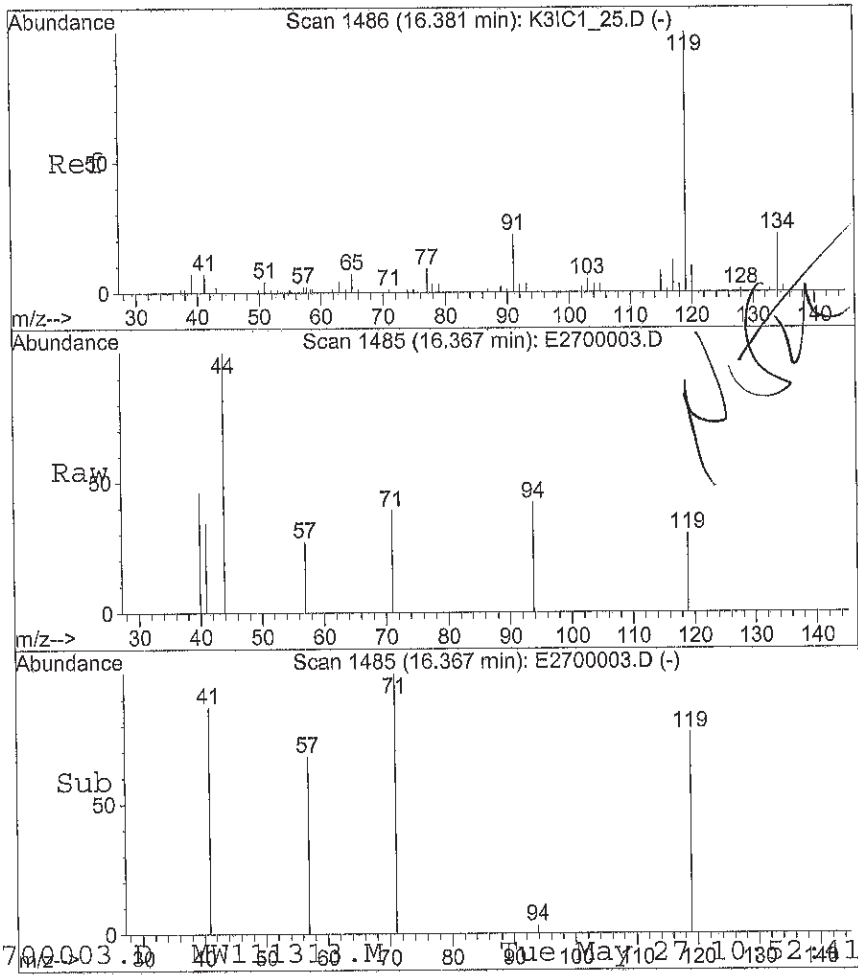


#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.15 min Scan# 1459
Delta R.T. -0.11 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:105 Resp: 314

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

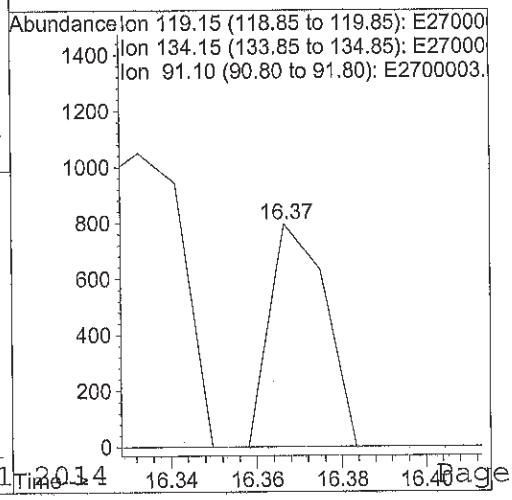




#69
p-Isopropyltoluene
Concen: 0.04 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E2700003.D
Acq: 27 May 2014 10:27 am

Tgt Ion:119 Resp: 723

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700003.D Vial: 2
Acq On : 27 May 2014 10:27 am Operator: DN
Sample : 34E2701-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:53 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1808256	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1341570	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	685345	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	502458	10.68	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.44%			
3) Chloroform-d (SU6)	9.19	84	789526	11.70	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 93.60%			
4) Methylene Chloride-d2 (SU5	7.08	86	454712	11.53	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 92.24%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	490615	15.27	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 122.16%			
6) Benzene-d6 (SU7)	9.92	84	1538661	10.84	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 86.72%			
8) Toluene-d8 (SU3)	12.20	98	1554440	12.21	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.68%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	719373	13.69	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 109.52%			

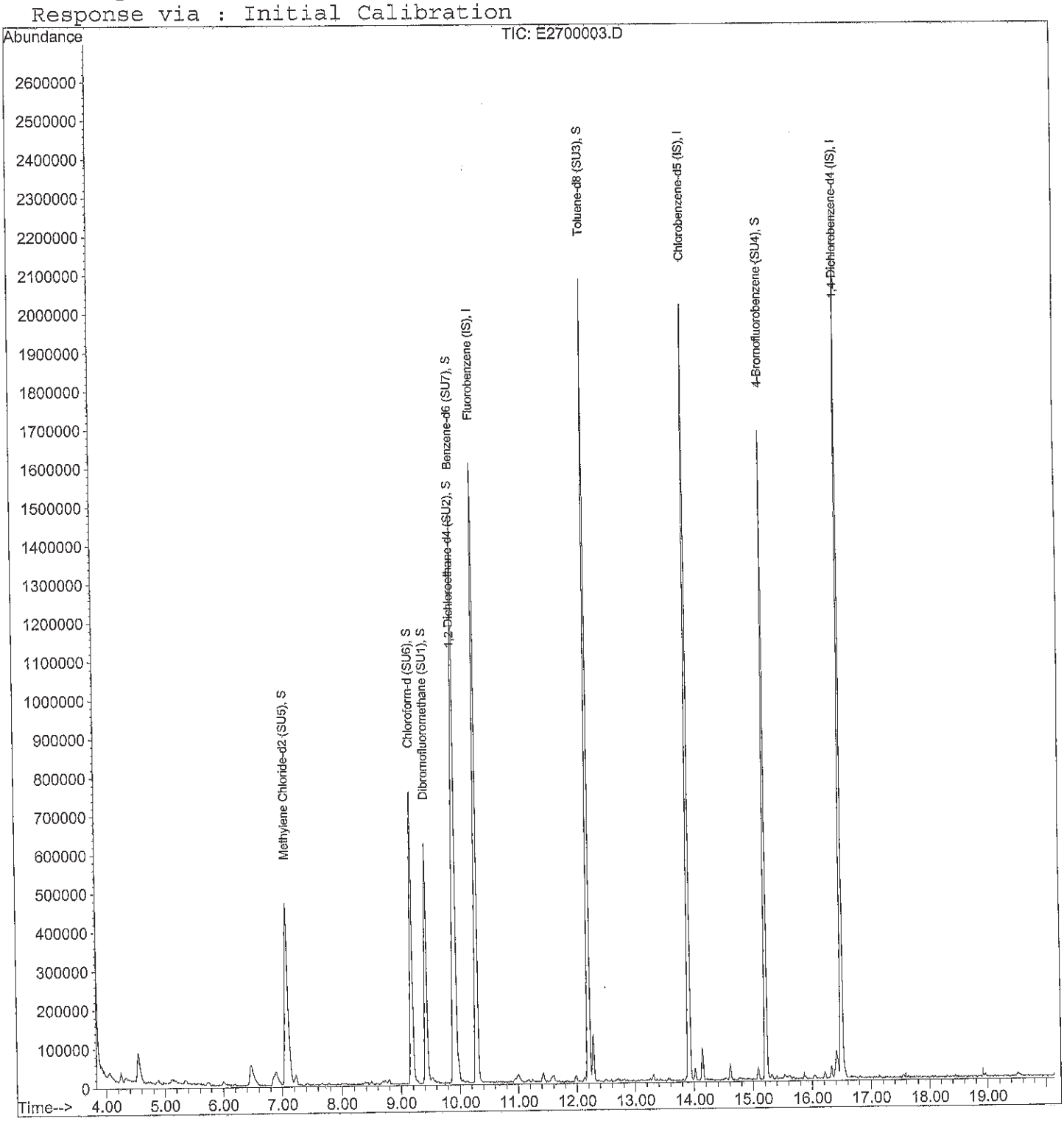
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700003.D Vial: 2
Acq On : 27 May 2014 10:27 am Operator: DN
Sample : 34E2701-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:53 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION LABORATORY CONTROL SAMPLES

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS01.D Vial: 10
Acq On : 27 May 2014 7:33 am Operator: DN
Sample : 34E2701-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 8:03 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1771401	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1269697	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	637939	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	503189	11.39	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.12%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	488808	11.64	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.12%			
39) Toluene-d8 (SU3)	12.20	98	1479874	12.50	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.00%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	681037	13.11	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 104.88%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.09	85	29536	0.68	ug/L	100
4) Chloromethane	4.47	50	38639	1.18	ug/L	79
5) Vinyl Chloride	4.60	62	43500	1.39	ug/L	65
6) Bromomethane	5.16	96	29328	1.33	ug/L	1
7) Chloroethane	5.29	64	18328	1.33	ug/L	93
8) (F11) Trichlorofluorometha	5.67	101	65070	1.34	ug/L	96
9) (F113) 1,1,2-Trichloro-tri	6.37	151	42218	1.21	ug/L	95
10) 1,1-Dichloroethene	6.43	96	46849	1.12	ug/L	92
11) Acetone	6.46	58	53335	-12.50	ug/L	92
12) (IPA) Leak Check Compound	6.54	45	123373	57.96	ug/L #	89
13) Carbon disulfide	6.86	76	200613	1.36	ug/L	99
14) Methylene Chloride	7.11	84	64670	1.33	ug/L	94
15) (TBA) tert-Butanol	7.09	59	2724	0.90	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	105877	1.05	ug/L	97
17) trans-1,2-Dichloroethene	7.48	96	64128	1.35	ug/L	94
18) 1,1-Dichloroethane	8.07	63	80456	1.01	ug/L	93
19) cis-1,2-Dichloroethene	8.83	96	67769	1.22	ug/L	93
20) 2,2-Dichloropropane	8.84	77	342	0.00	ug/L #	1
21) (MEK) 2-Butanone	8.79	72	11107	2.23	ug/L #	69
22) (DIPE) Diisopropyl Ether	8.01	45	192374	1.39	ug/L	97
23) Bromochloromethane	9.17	128	25708	1.08	ug/L #	86
24) Chloroform	9.21	83	110254	1.19	ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS01.D Vial: 10
Acq On : 27 May 2014 7:33 am Operator: DN
Sample : 34E2701-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 8:03 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) (ETBE) 2-ethoxy 2-methyl p	8.49	59	126590	0.99 ug/L #	99
26) 1,1,1-Trichloroethane	9.50	97	71843	0.98 ug/L	93
27) (TAME) tert-Amyl methyl et	10.00	73	122275	1.10 ug/L #	96
29) 1,1-Dichloropropene	9.69	75	80786	1.18 ug/L	99
30) Carbon Tetrachloride	13.89	117	75683	1.27 ug/L	92
31) Benzene	9.98	78	212137	1.27 ug/L #	93
32) 1,2-Dichloroethane	9.99	62	71510	1.21 ug/L	96
33) Trichloroethene	10.74	130	67899	1.26 ug/L	99
34) 1,2-Dichloropropane	11.05	63	54930	1.38 ug/L	93
35) Dibromomethane	11.21	93	40202	1.29 ug/L	99
36) Bromodichloromethane	11.35	83	72653	1.16 ug/L	96
37) cis-1,3-Dichloropropene	11.87	75	68065	1.00 ug/L	94
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	14071	0.56 ug/L #	100
41) Toluene	12.29	91	228294	1.32 ug/L	96
42) trans-1,3-Dichloropropene	12.51	75	47433	0.83 ug/L #	74
43) 1,1,2-Trichloroethane	12.75	83	43739	1.40 ug/L	90
44) Tetrachloroethene	12.94	164	71041	1.17 ug/L	96
45) 1,3-Dichloropropane	12.96	76	78166	1.32 ug/L	96
46) 2-Hexanone	12.96	43	49657	1.79 ug/L	99
47) Dibromochloromethane	13.25	129	57668	1.29 ug/L #	96
48) 1,2-Dibromoethane	13.43	107	58294	1.44 ug/L	98
49) Chlorobenzene	13.95	112	154354	1.32 ug/L	95
50) 1,1,1,2-Tetrachloroethane	14.02	131	50284	1.21 ug/L	97
51) Ethylbenzene	14.02	91	264142	1.34 ug/L	100
52) m,p-Xylenes	14.15	106	194695	2.78 ug/L	93
53) o-Xylene	14.61	106	89953	1.30 ug/L	94
54) Styrene	14.63	104	150579	1.51 ug/L	97
55) Bromoform	14.91	173	34879	1.38 ug/L	96
56) Isopropylbenzene	15.00	105	258545	1.36 ug/L	99
57) 1,2,3-Trichloropropane	15.42	75	69213	1.34 ug/L #	1
60) 1,1,2,2-Tetrachloroethane	15.33	83	63942	1.39 ug/L	98
61) Bromobenzene	15.43	156	66775	1.33 ug/L	95
62) n-Propylbenzene	15.45	91	327658	1.27 ug/L	99
63) 2-Chlorotoluene	15.61	91	204311	1.29 ug/L	98
64) 1,3,5-Trimethylbenzene	15.62	105	204021	1.28 ug/L	98
65) 4-Chlorotoluene	15.72	91	198638	1.35 ug/L	100
66) tert-Butylbenzene	16.01	119	169471	1.25 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS01.D Vial: 10
Acq On : 27 May 2014 7:33 am Operator: DN
Sample : 34E2701-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 8:03 19114 Quant Results File: MW111313.RES

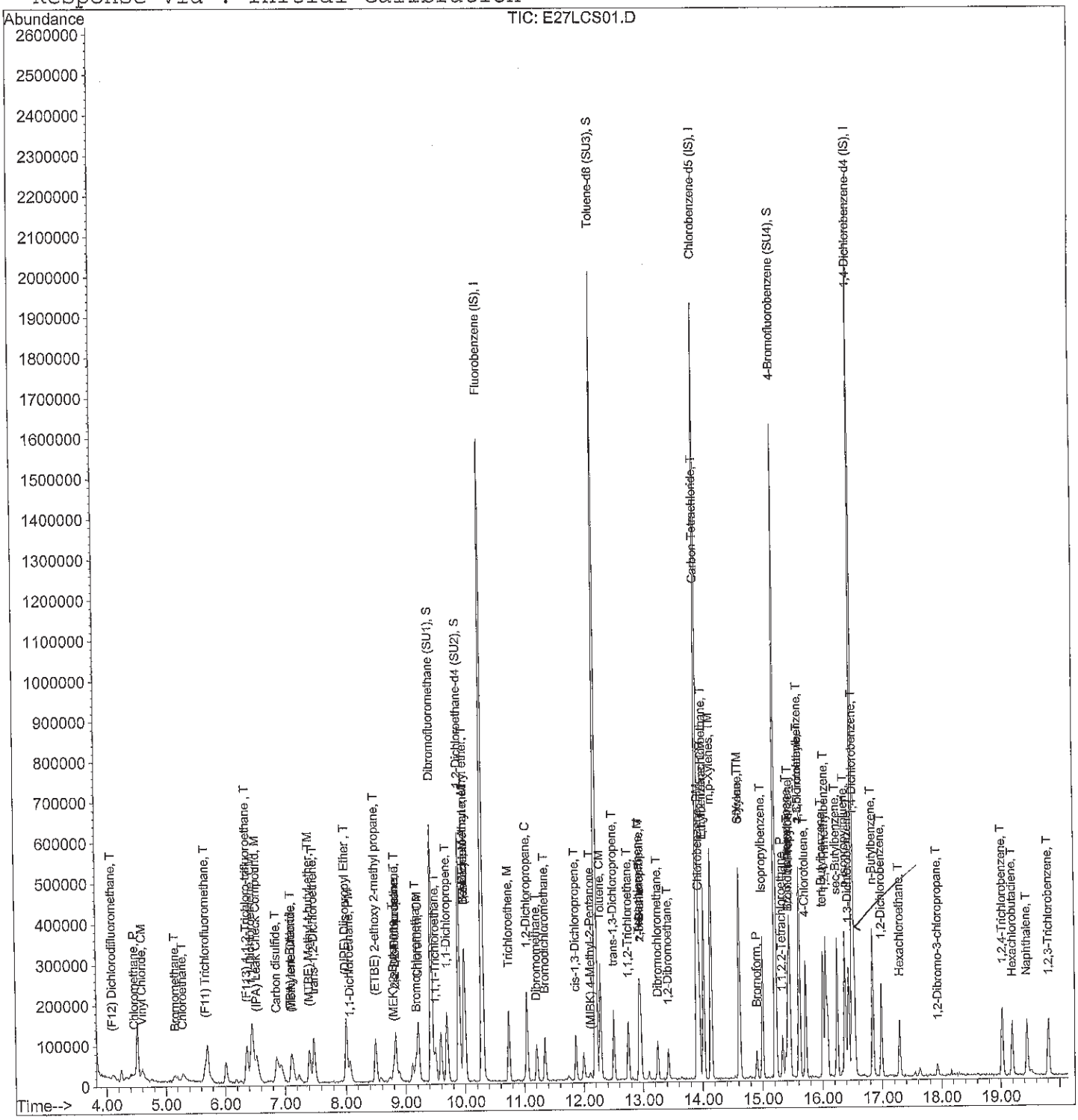
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
67) 1,2,4-Trimethylbenzene	16.05	105	211499	1.28	ug/L		94
68) sec-Butylbenzene	16.24	105	282869	1.32	ug/L		99
69) p-Isopropyltoluene	16.38	119	213433	1.22	ug/L		95
70) 1,3-Dichlorobenzene	16.43	146	129408	1.37	ug/L		96
71) 1,4-Dichlorobenzene	16.54	146	125663	1.33	ug/L		97
72) n-Butylbenzene	16.84	91	234736	1.28	ug/L		98
73) 1,2-Dichlorobenzene	16.98	146	113627	1.35	ug/L		98
74) 1,2-Dibromo-3-chloropropan	17.93	75	9221	1.32	ug/L	#	73
75) 1,2,4-Trichlorobenzene	19.03	180	73053	1.28	ug/L		97
76) Hexachlorobutadiene	19.20	225	35320	1.38	ug/L		95
77) Naphthalene	19.44	128	160112	1.27	ug/L		100
78) Hexachloroethane	17.29	201	20932	1.13	ug/L	#	89
79) 1,2,3-Trichlorobenzene	19.81	180	64381	1.19	ug/L		97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS01.D Vial: 10
Acq On : 27 May 2014 7:33 am Operator: DN
Sample : 34E2701-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 27 8:03 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION BLANK

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27BLK01.D Vial: 11
Acq On : 27 May 2014 9:00 am Operator: DN
Sample : 34E2701-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:21 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1865195	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1375456	12.50	ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	703693	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	509925	10.96	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.68%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	480809	10.87	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.96%			
39) Toluene-d8 (SU3)	12.20	98	1606996	12.53	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.24%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	718155	12.77	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 102.16%			
Target Compounds						Qvalue
4) Chloromethane	4.41	50	3502	-0.10	ug/L #	41
6) Bromomethane	5.13	96	2338	-0.64	ug/L #	1
7) Chloroethane	5.23	64	856	1.24	ug/L #	32
11) Acetone	6.48	58	24602	36.82	ug/L	93
12) (IPA) Leak Check Compound	6.48	45	34072	152.02	ug/L	100
14) Methylene Chloride	7.07	84	7216	1.41	ug/L #	1
15) (TBA) tert-Butanol	6.91	59	2586	8.13	ug/L #	77
21) (MEK) 2-Butanone	8.79	72	2669	5.09	ug/L #	1
24) Chloroform	9.21	83	1638	0.17	ug/L #	18
29) 1,1-Dichloropropene	9.91	75	582	0.08	ug/L #	1
31) Benzene	9.92	78	11295	0.64	ug/L #	80
32) 1,2-Dichloroethane	9.93	62	6988	1.13	ug/L #	1
35) Dibromomethane	10.99	93	281	0.09	ug/L #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7959	2.90	ug/L #	100
41) Toluene	12.29	91	1725	0.09	ug/L #	50
46) 2-Hexanone	12.97	43	2459	0.82	ug/L #	80
51) Ethylbenzene	14.02	91	836	0.04	ug/L #	45
52) m,p-Xylenes	14.15	106	266	0.04	ug/L #	1
54) Styrene	14.63	104	1313	-0.75	ug/L #	67
56) Isopropylbenzene	15.23	105	600	0.03	ug/L #	1
62) n-Propylbenzene	15.21	91	1331	0.05	ug/L #	56
67) 1,2,4-Trimethylbenzene	16.05	105	276	0.02	ug/L #	33

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27BLK01.D Vial: 11
Acq On : 27 May 2014 9:00 am Operator: DN
Sample : 34E2701-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:21 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

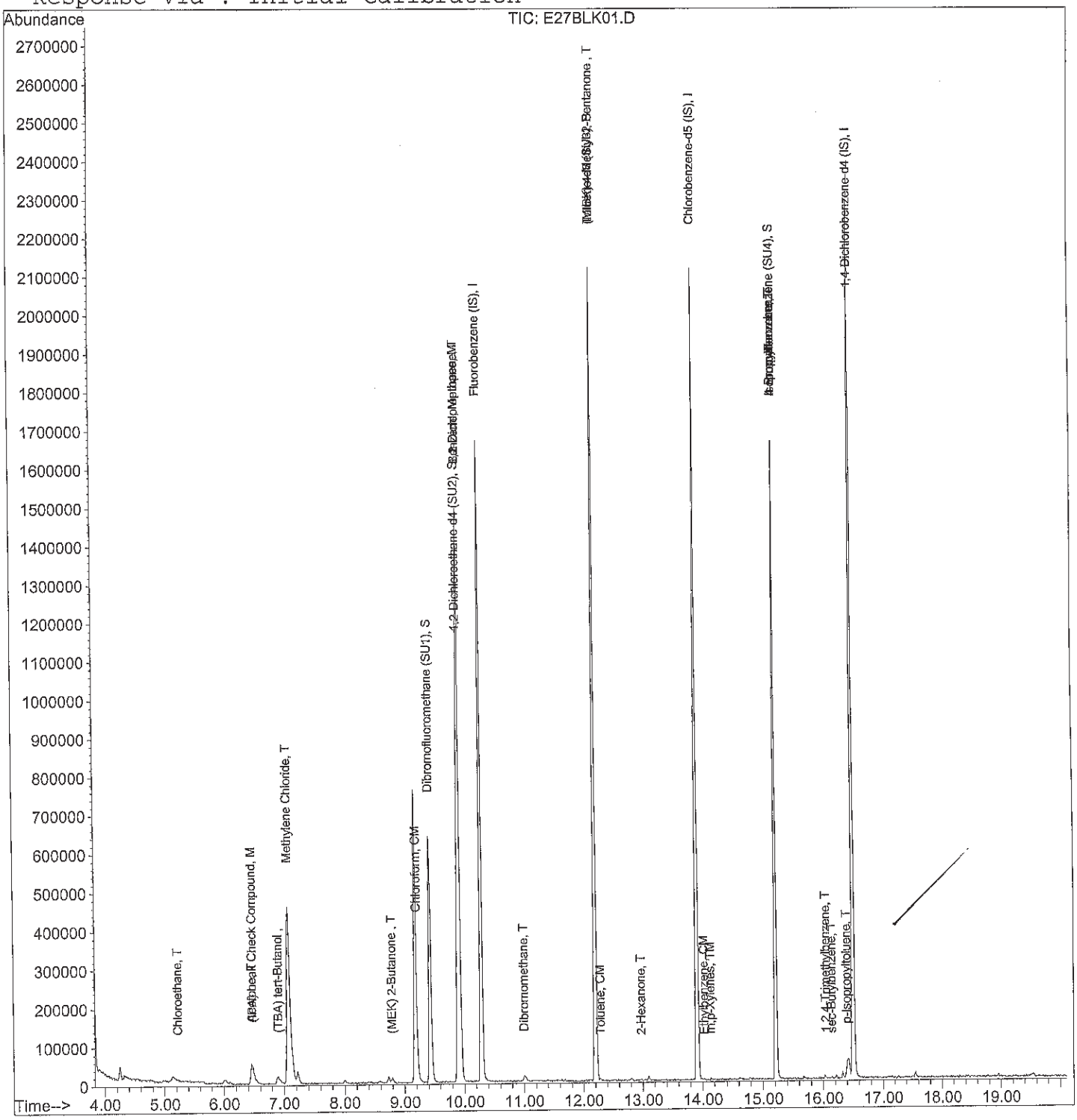
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
68)	sec-Butylbenzene	16.15	105	608	0.03	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	319	0.02	~~ug/L~~ #	52

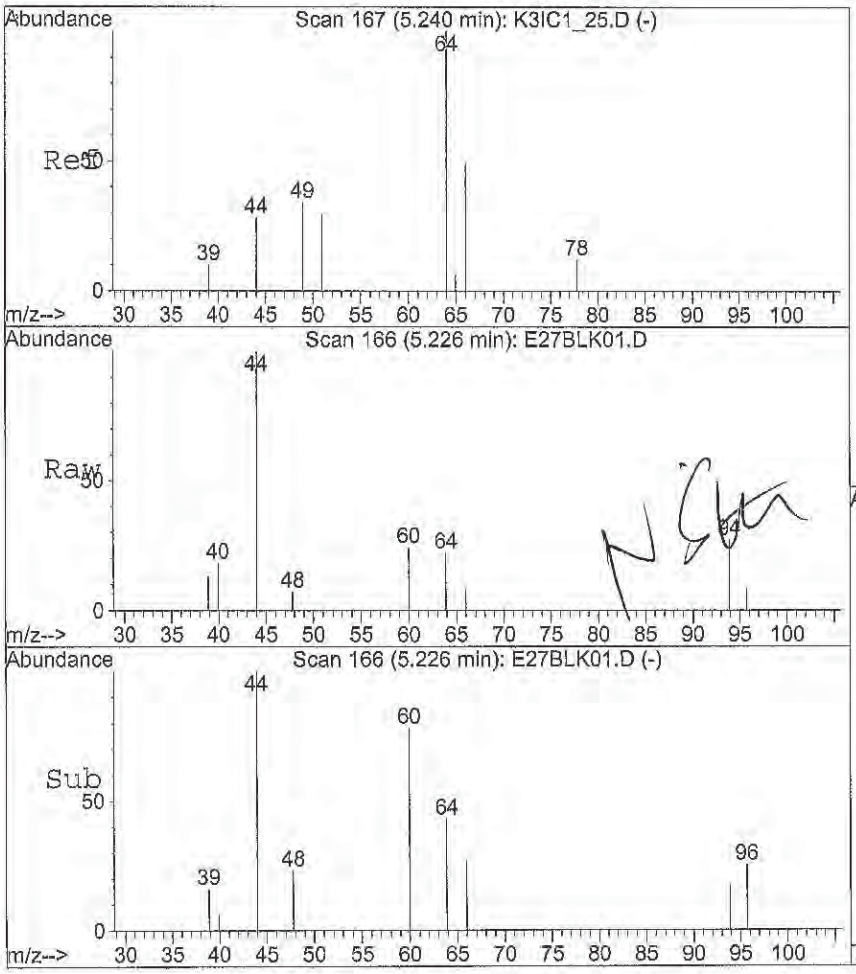
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27BLK01.D Vial: 11
Acq On : 27 May 2014 9:00 am Operator: DN
Sample : 34E2701-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:21 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

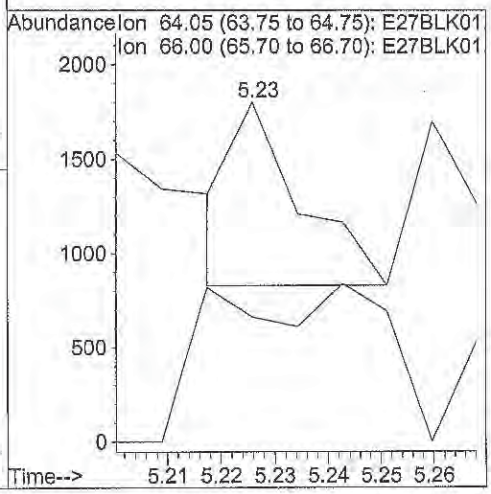


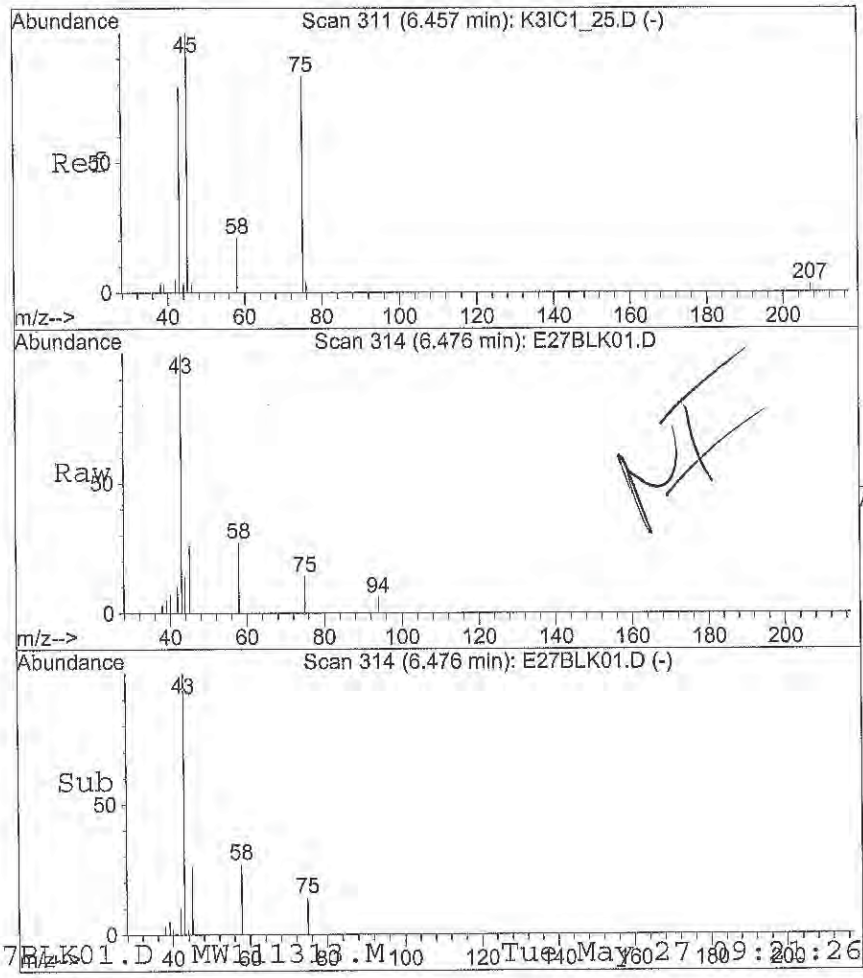


#7
Chloroethane
Concen: 1.24 ug/L
RT: 5.23 min Scan# 166
Delta R.T. -0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 64 Resp: 856

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

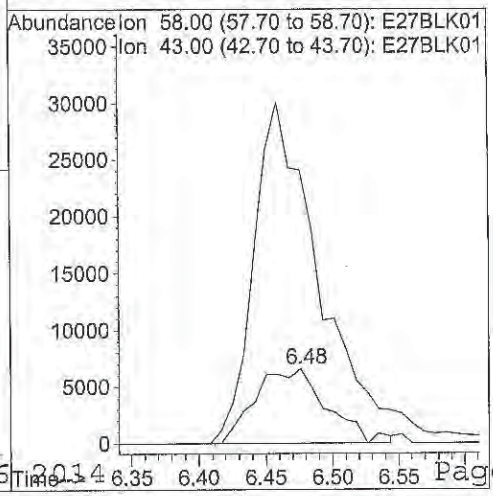


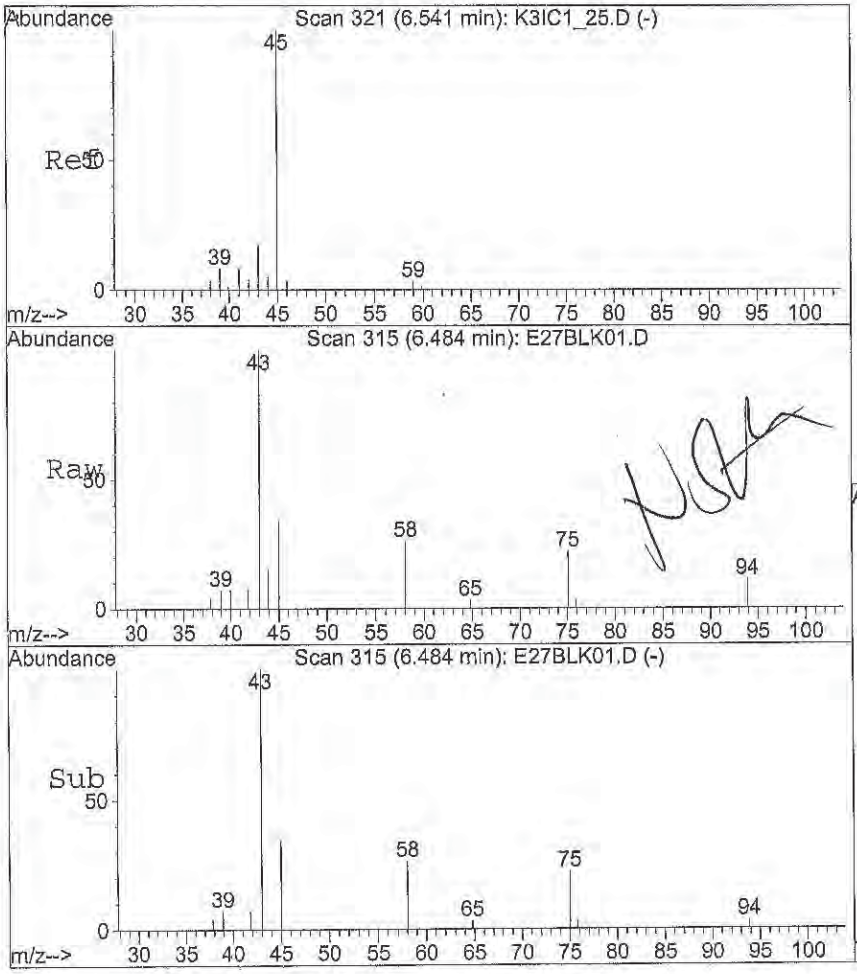


#11
Acetone
Concen: 36.82 ug/L
RT: 6.48 min Scan# 314
Delta R.T. 0.02 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 58 Resp: 24602

Ion	Ratio	Lower	Upper
58	100		
43	434.0	360.9	541.3

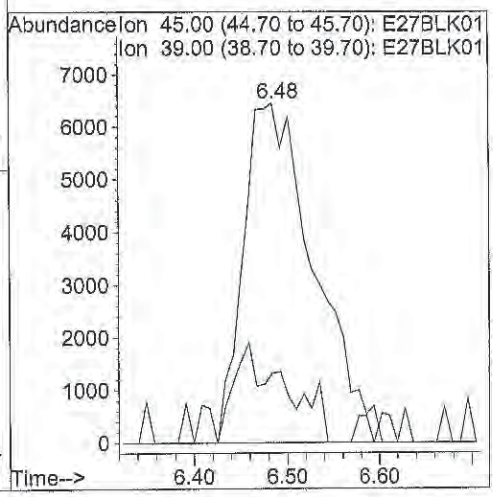


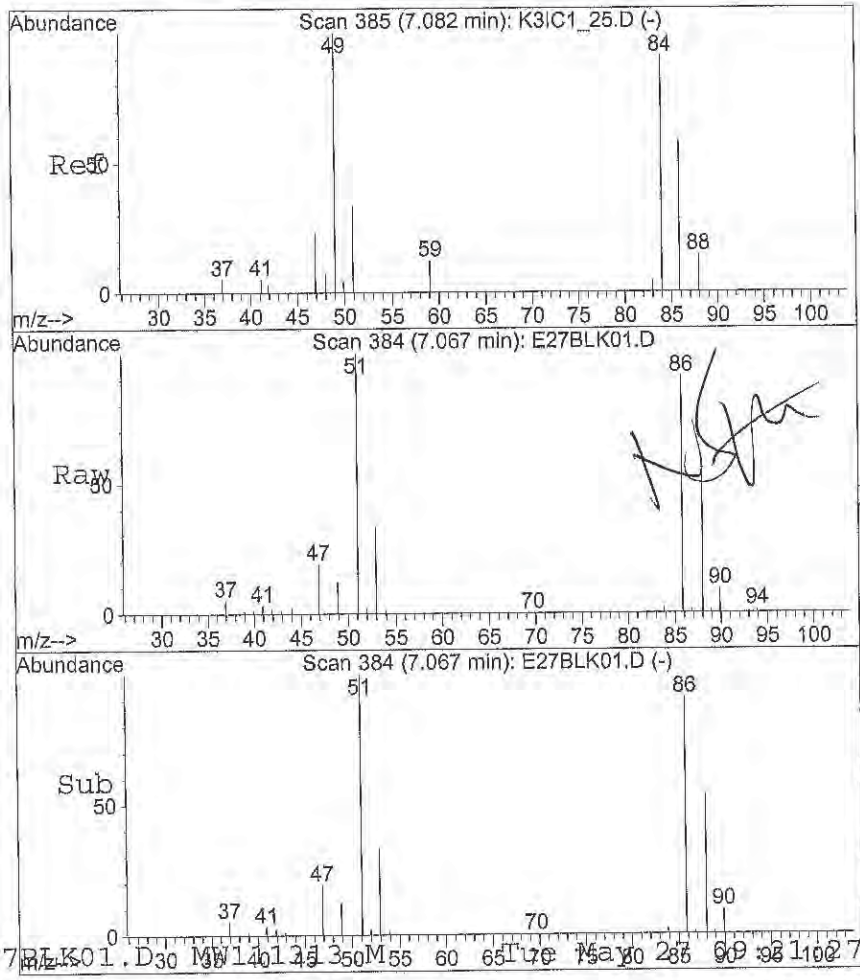


#12
(IPA) Leak Check Compound
Concen: 152.02 ug/L
RT: 6.48 min Scan# 315
Delta R.T. -0.06 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 45 Resp: 34072

Ion	Ratio	Lower	Upper
45	100		
39	6.2	4.9	7.3

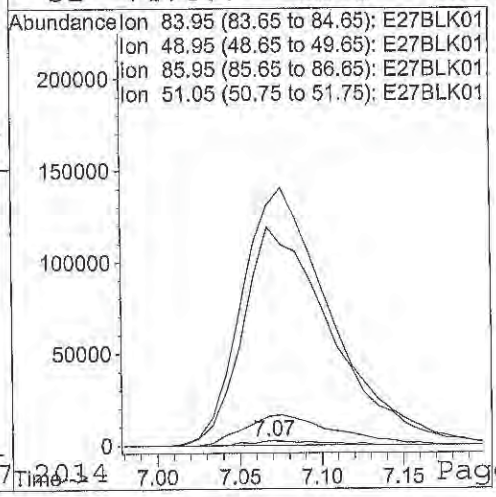


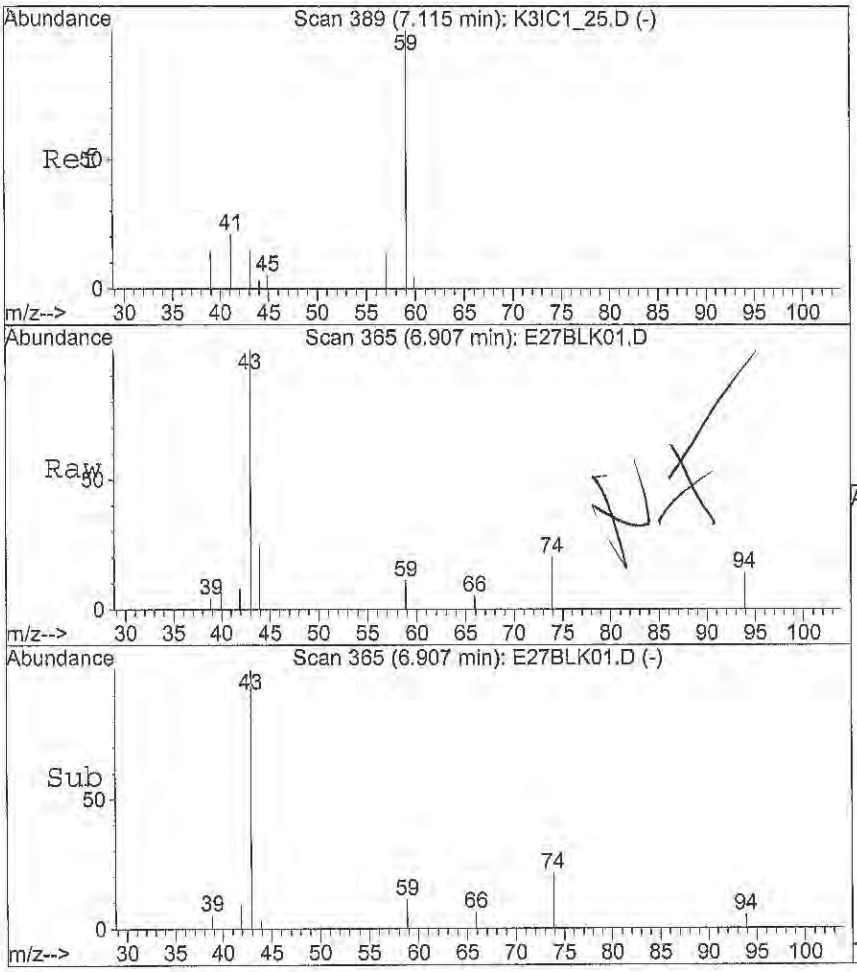


#14
Methylene Chloride
Concen: 1.41 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 84 Resp: 7216

Ion	Ratio	Lower	Upper
84	100		
49	864.4	89.8	134.6#
86	6269.0	51.1	76.7#
51	7474.7	28.5	42.7#

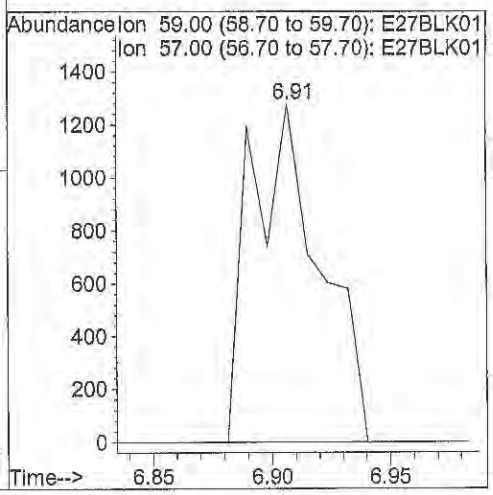


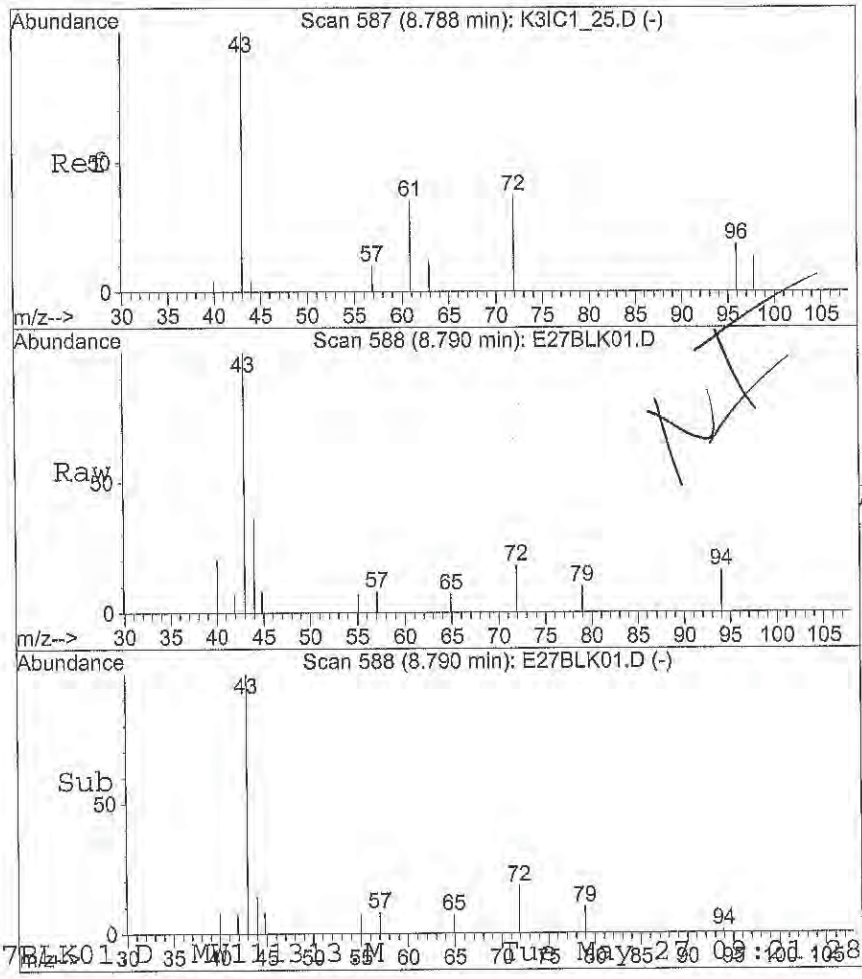


#15
(TBA) tert-Butanol
Concen: 8.13 ug/L
RT: 6.91 min Scan# 365
Delta R.T. -0.21 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 59 Resp: 2586

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

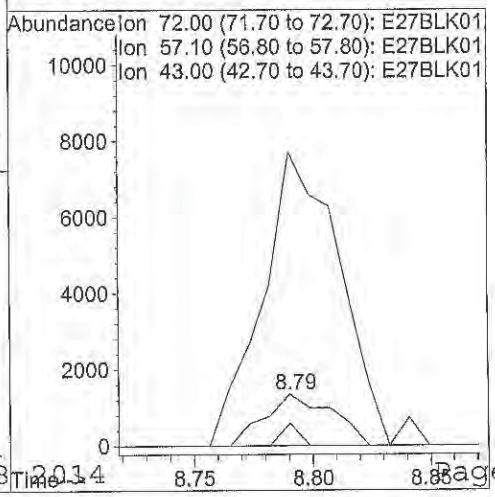


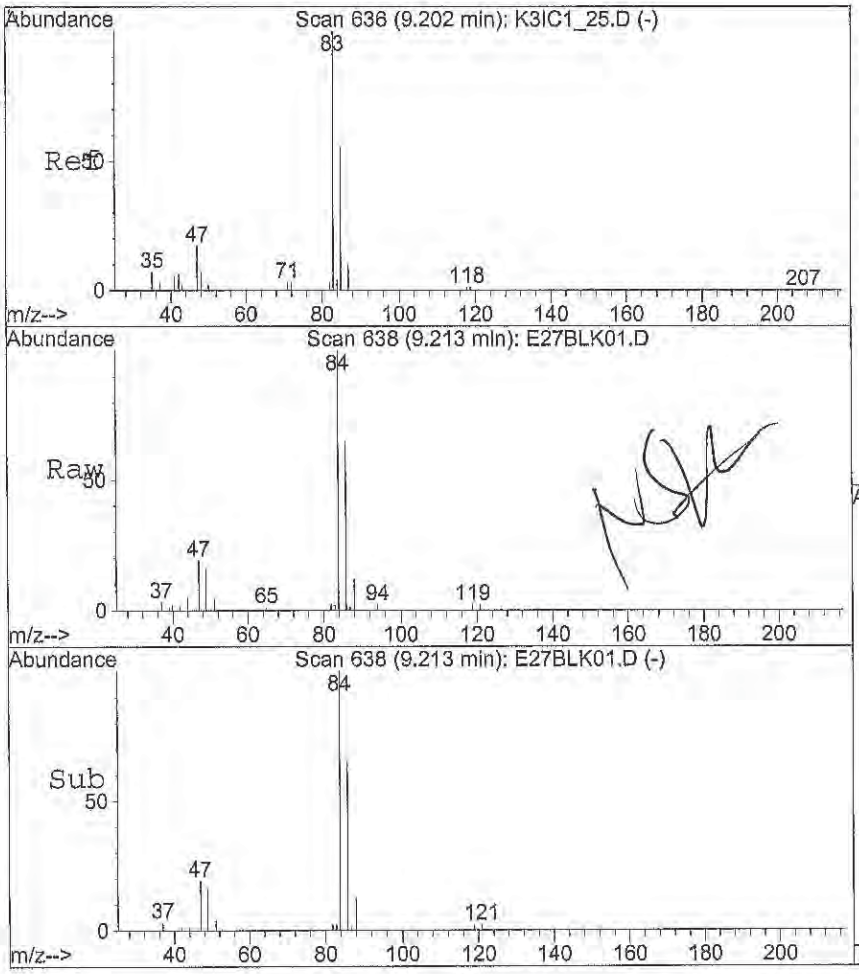


#21
(MEK) 2-Butanone
Concen: 5.09 ug/L
RT: 8.79 min Scan# 588
Delta R.T. 0.00 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 72 Resp: 2669

Ion	Ratio	Lower	Upper
72	100		
57	11.1	17.5	26.3#
43	667.2	314.2	471.2#

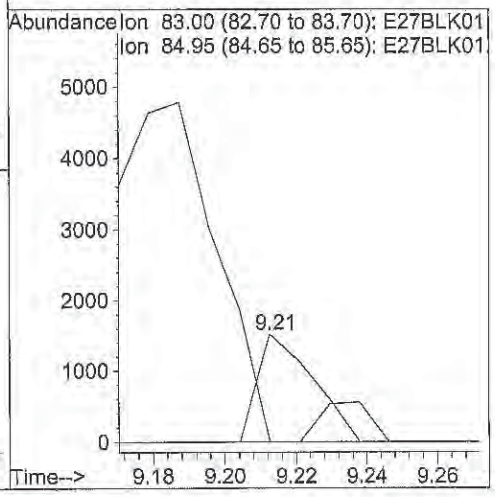


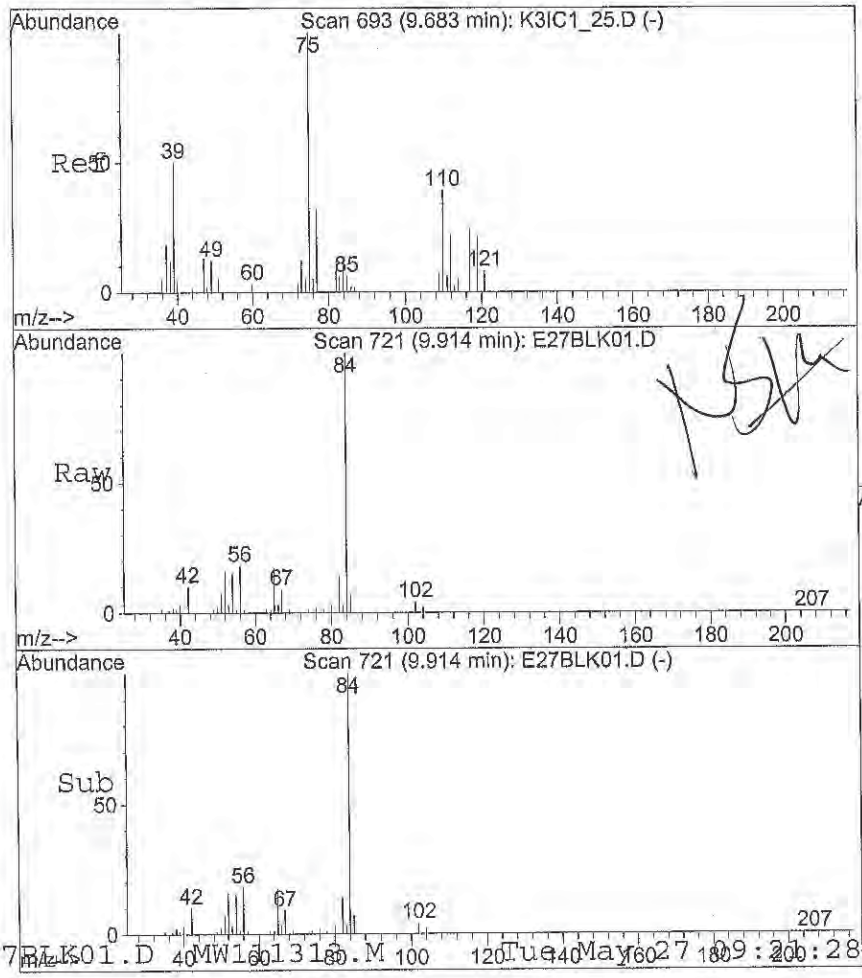


#24
Chloroform
Concen: 0.17 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 83 Resp: 1638

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

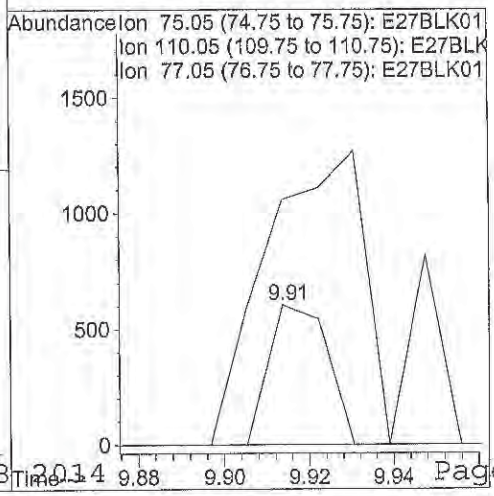


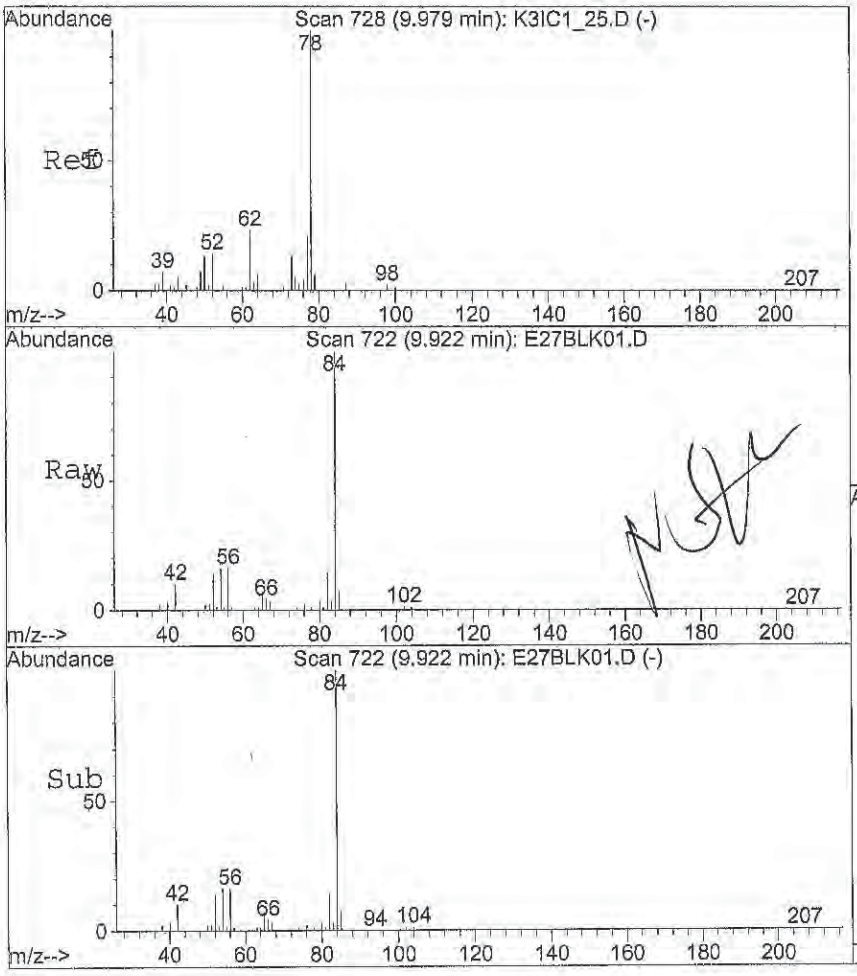


#29
1,1-Dichloropropene
Concen: 0.08 ug/L
RT: 9.91 min Scan# 721
Delta R.T. 0.23 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 75 Resp: 582

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	351.0	25.0	37.4#

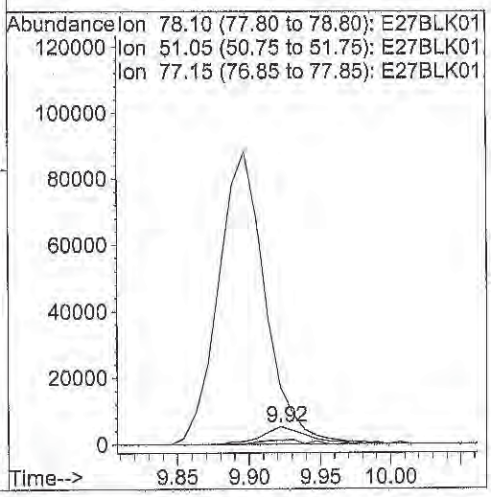


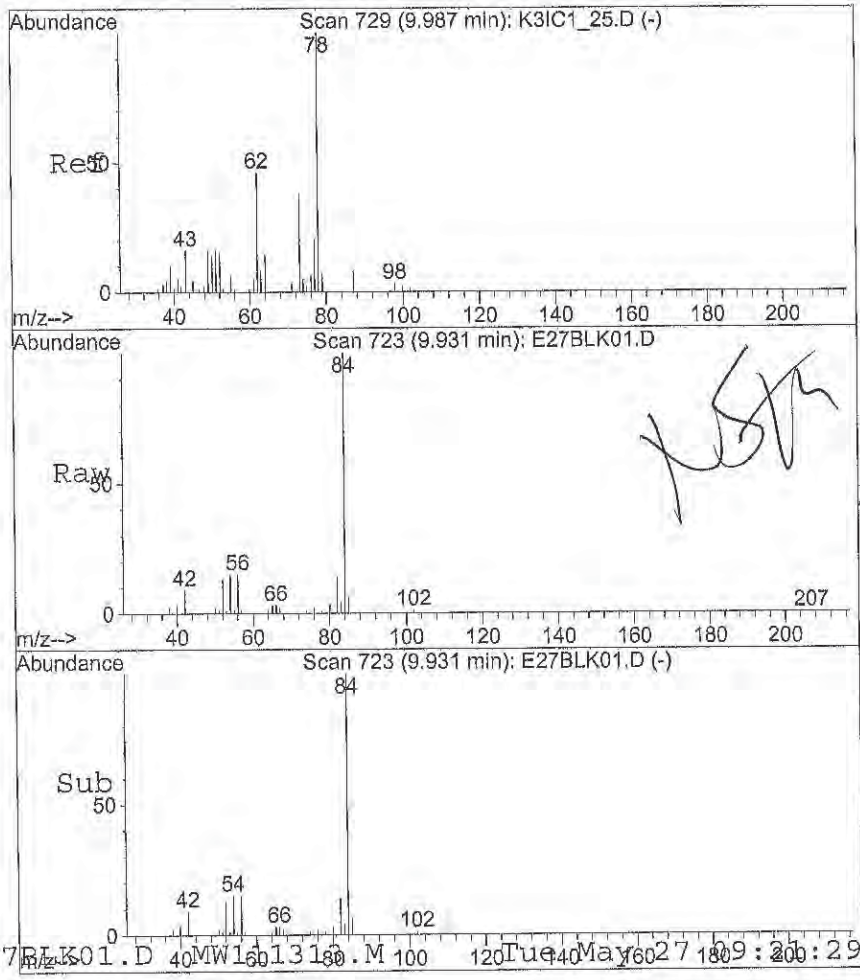


#31
Benzene
Concen: 0.64 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 78 Resp: 11295

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	21.8	16.6	24.8

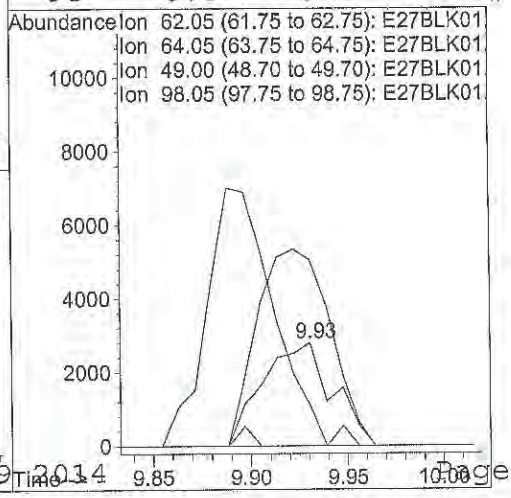


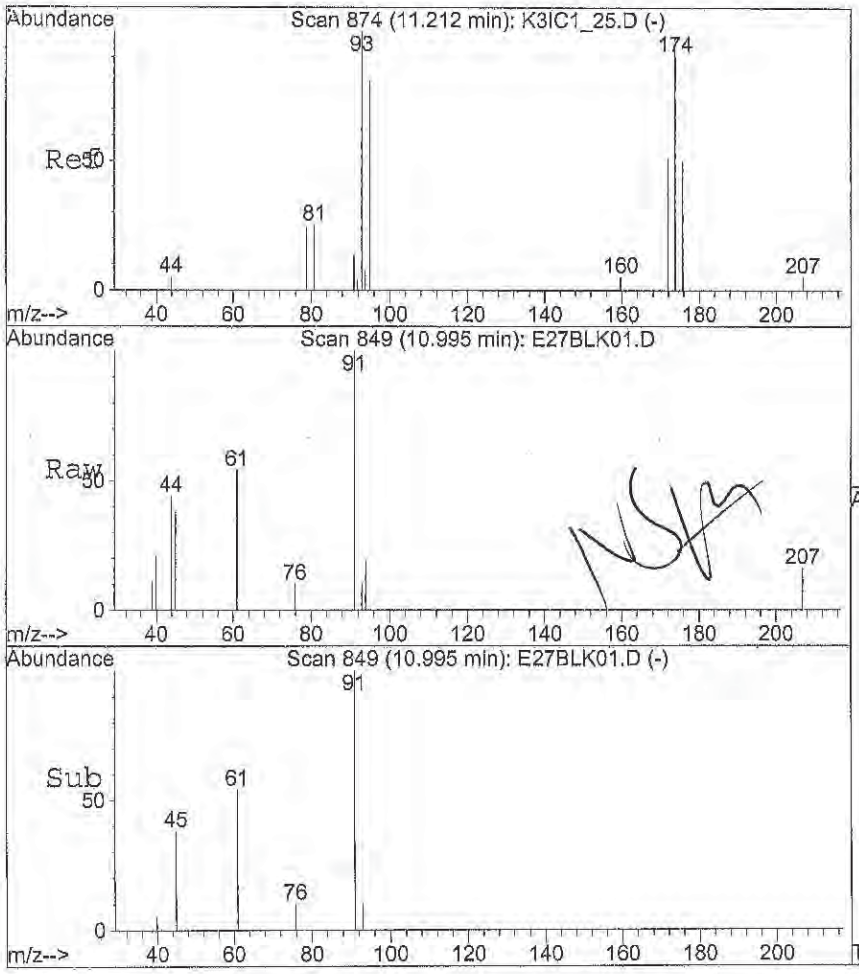


#32
1,2-Dichloroethane
Concen: 1.13 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 62 Resp: 6988

Ion	Ratio	Lower	Upper
62	100		
64	200.4	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

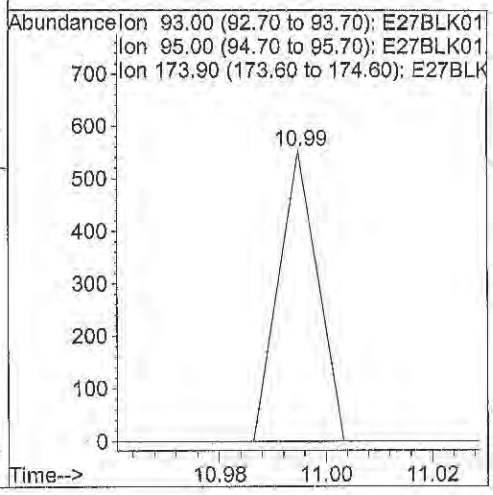


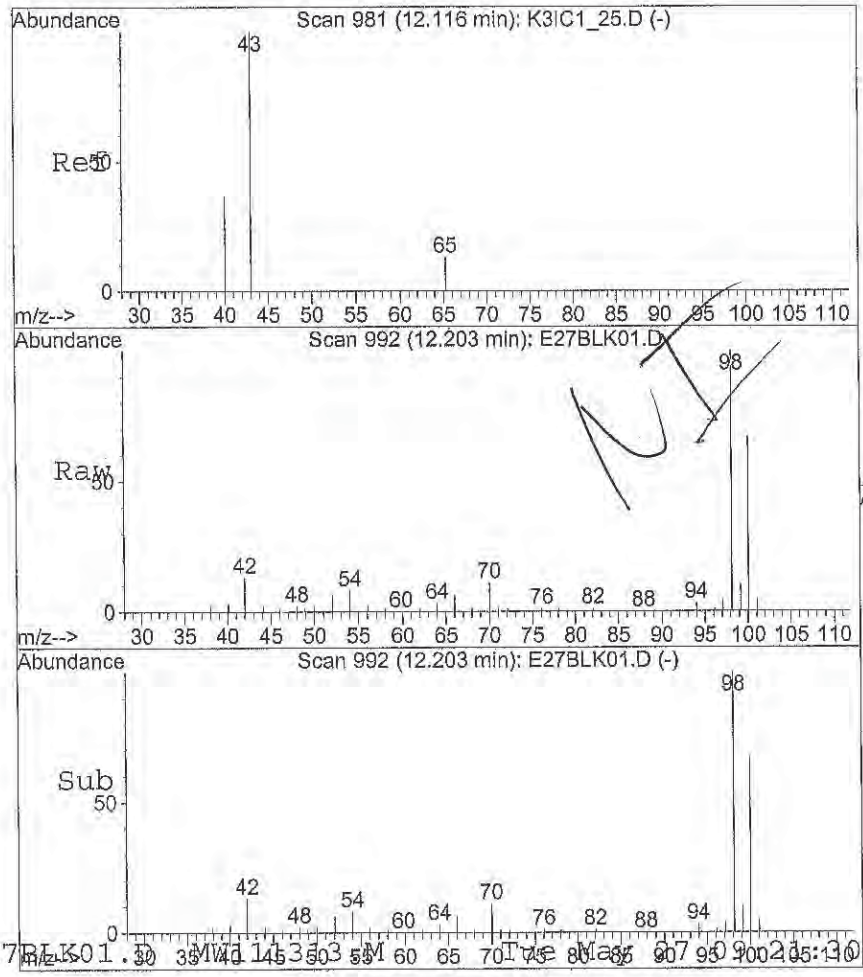


#35
Dibromomethane
Concen: 0.09 ug/L
RT: 10.99 min Scan# 849
Delta R.T. -0.22 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 93 Resp: 281

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

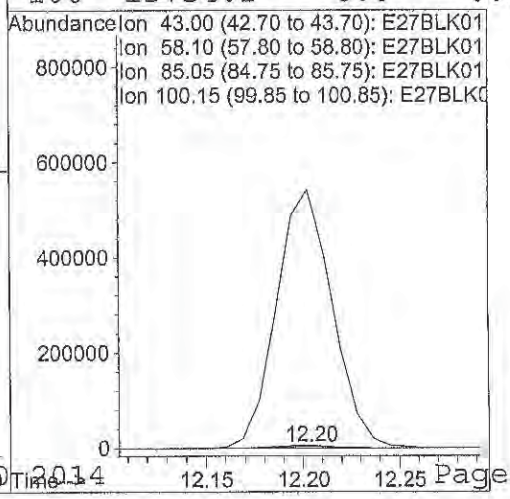


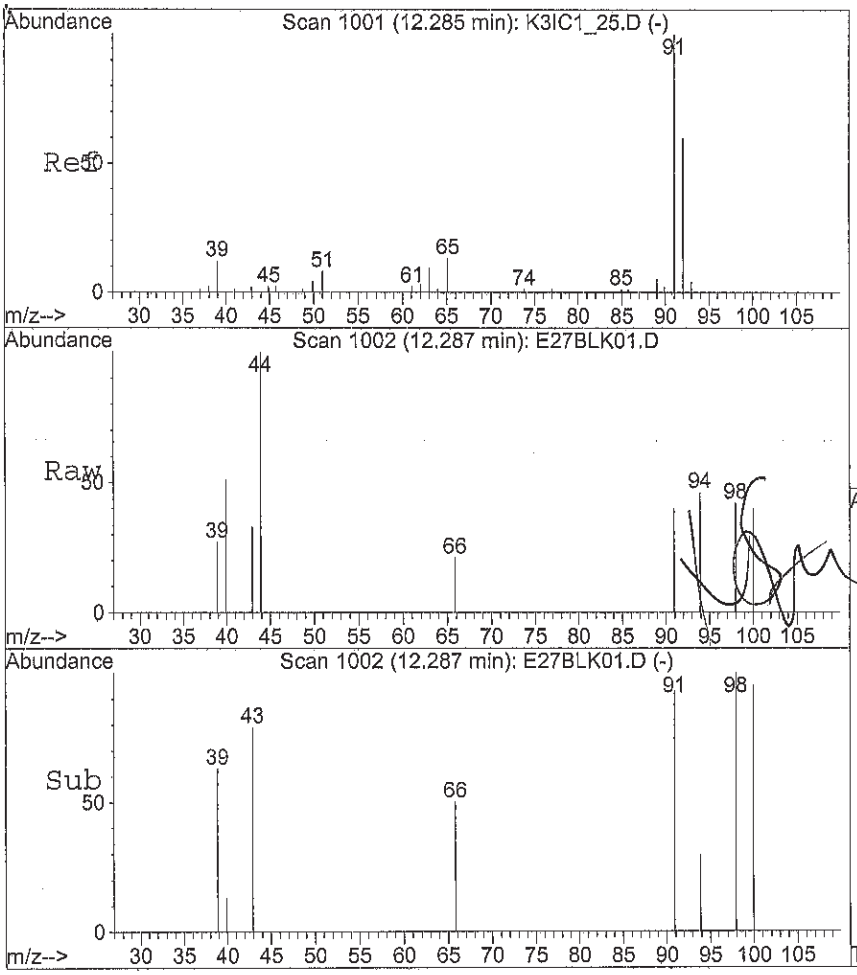


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.90 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 43 Resp: 7959

Ion	Ratio	Lower	Upper
43	100		
58	142.1	0.0	0.0#
85	0.0	0.0	0.0
100	13754.2	0.0	0.0#

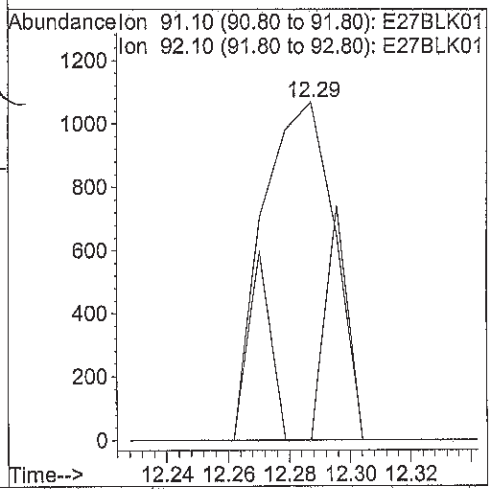


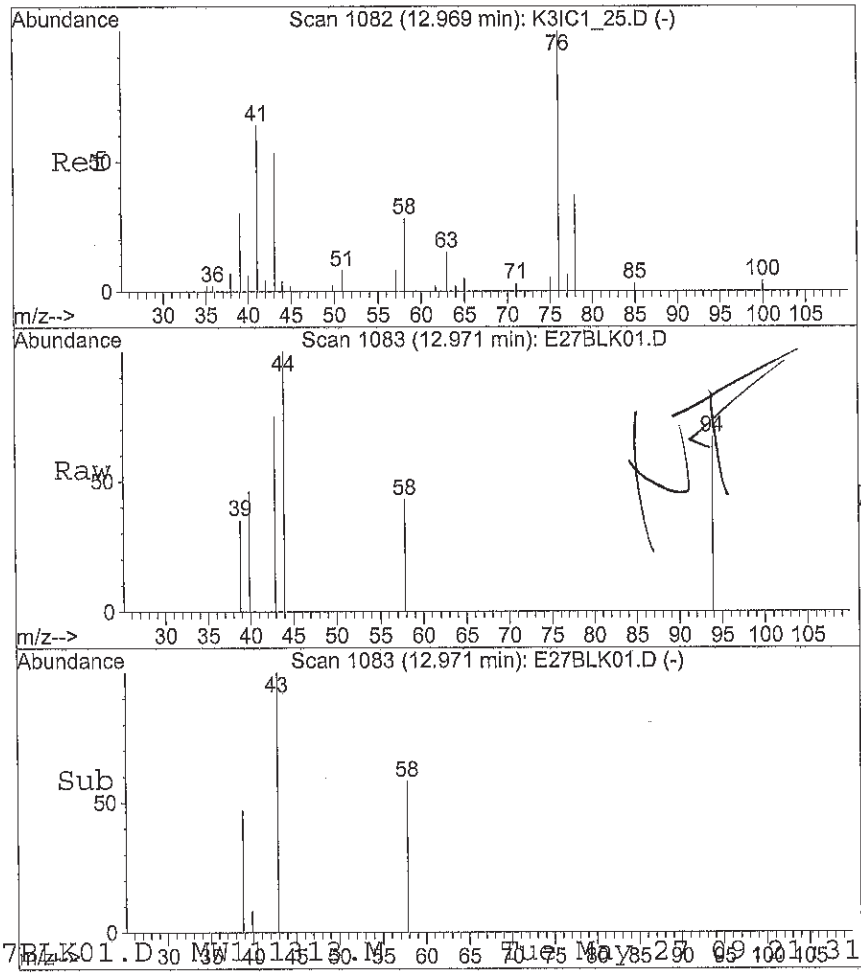


#41
Toluene
Concen: 0.09 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 91 Resp: 1725

Ion	Ratio	Lower	Upper
91	100		
92	21.7	47.4	71.0#

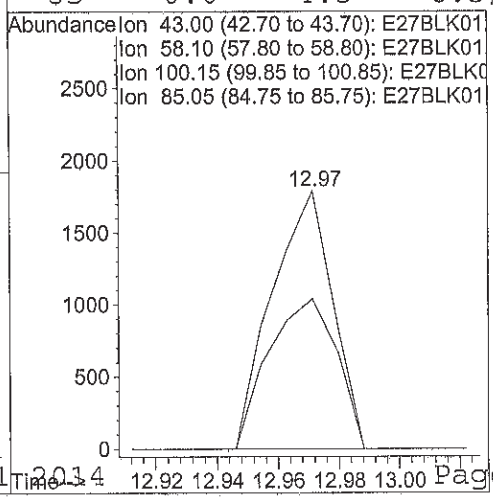


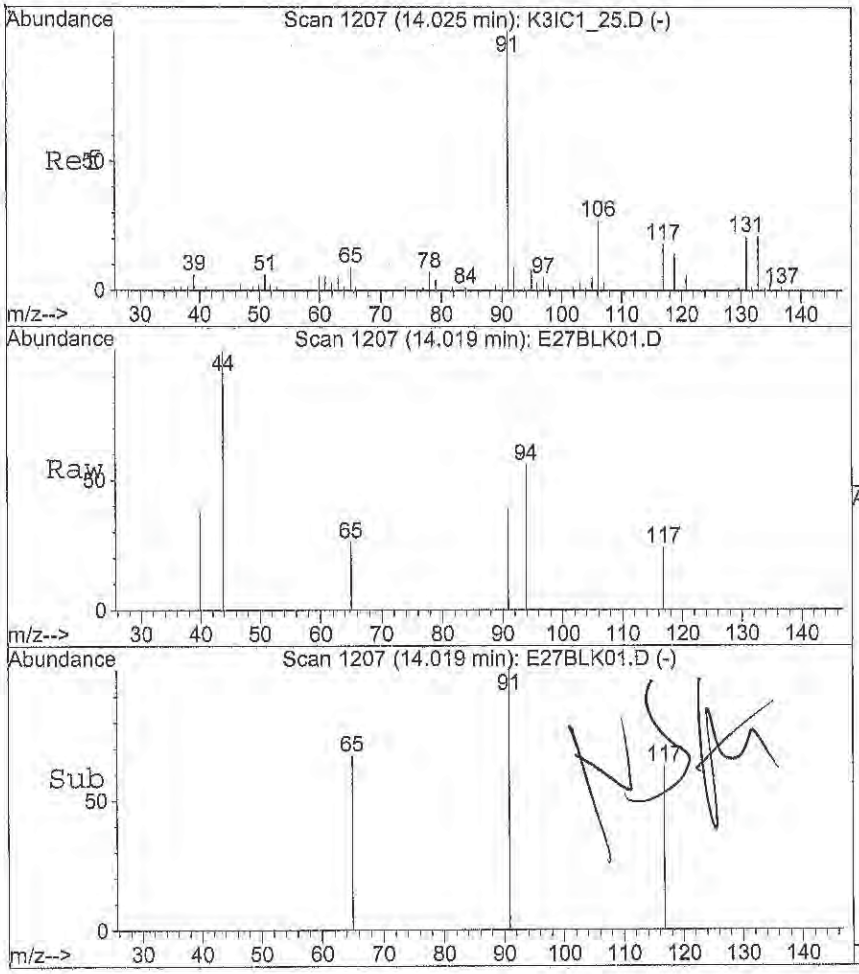


#46
2-Hexanone
Concen: 0.82 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 43 Resp: 2459

Ion	Ratio	Lower	Upper
43	100		
58	65.5	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

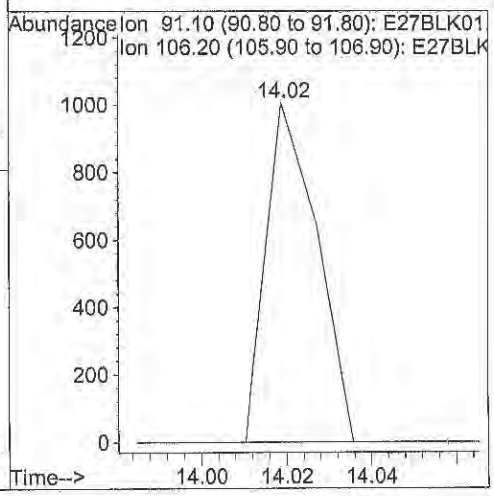


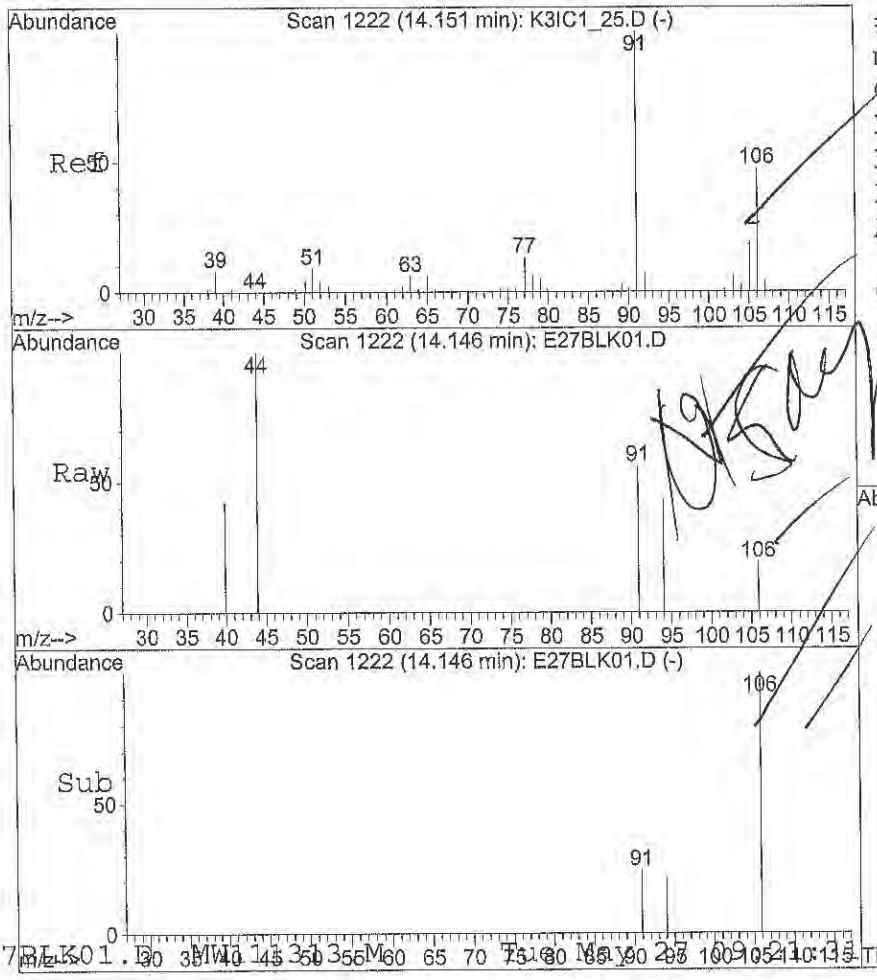


#51
Ethylbenzene
Concen: 0.04 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 91 Resp: 836

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

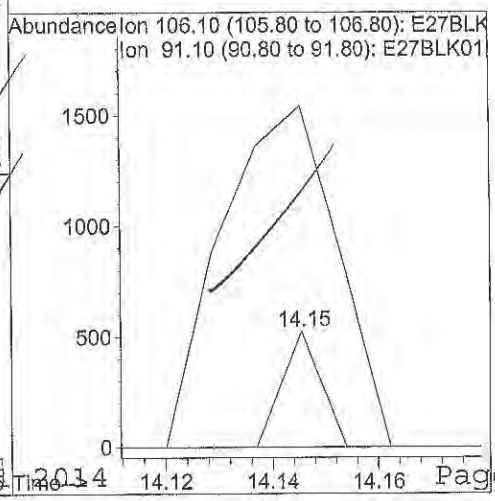


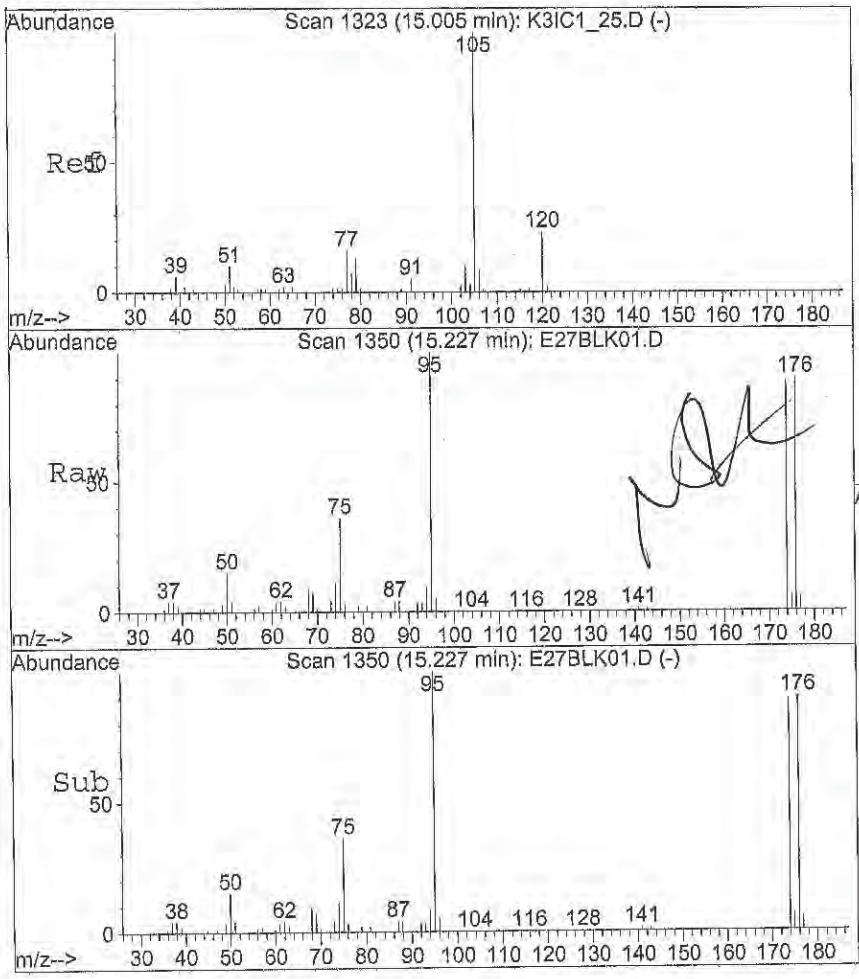


#52
m,p-Xylenes
Concen: 0.04 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion:106 Resp: 266

Ion	Ratio	Lower	Upper
106	100		
91	870.3	177.1	265.7#

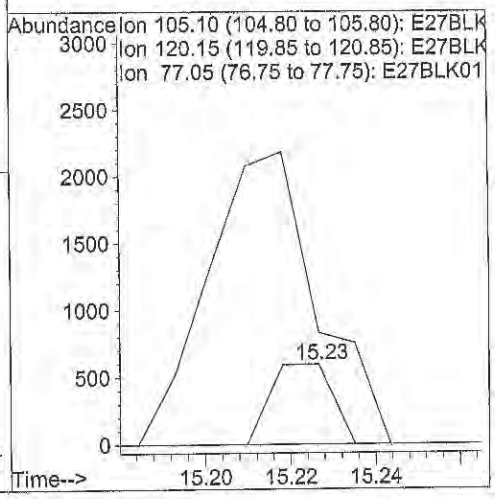


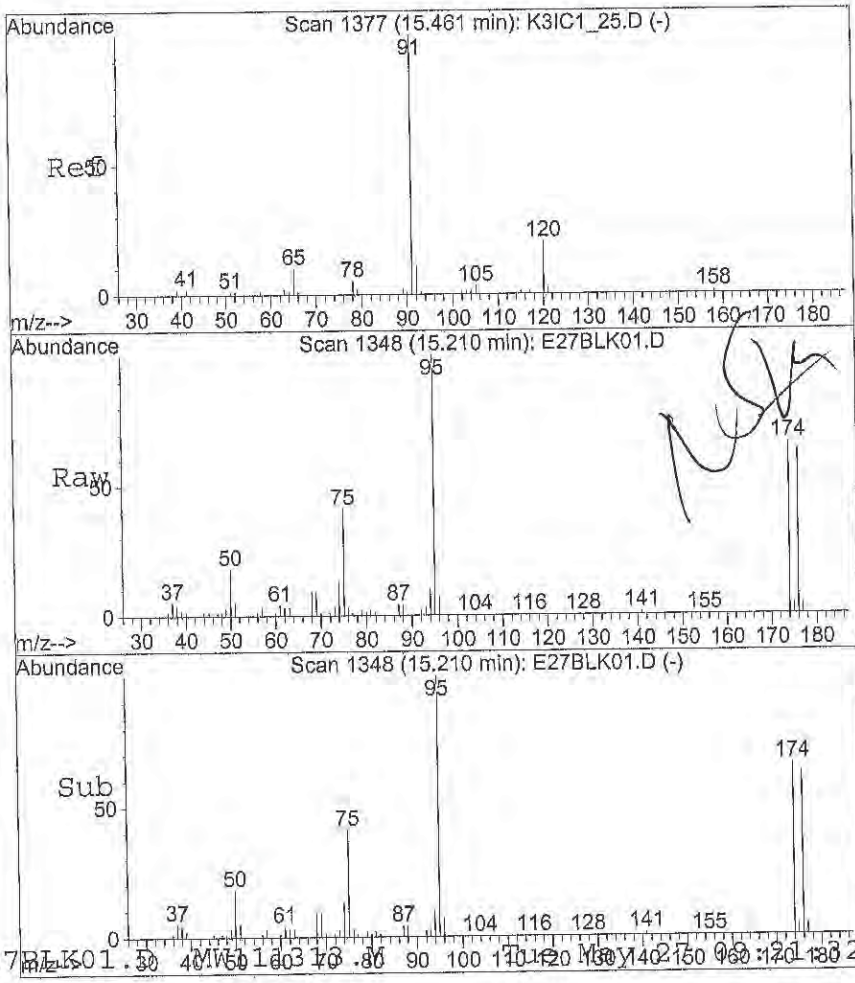


#56
Isopropylbenzene
Concen: 0.03 ug/L
RT: 15.23 min Scan# 1350
Delta R.T. 0.22 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion:105 Resp: 600

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	646.7	13.1	19.7#

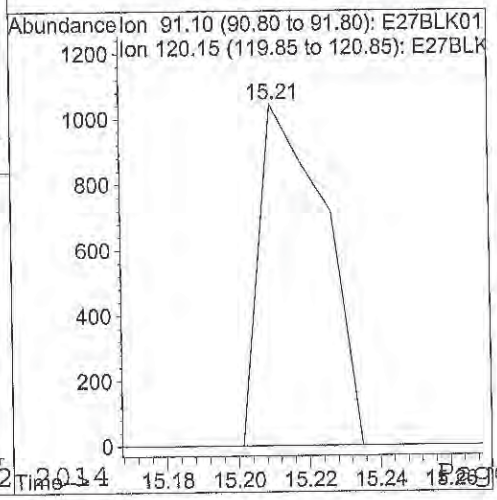


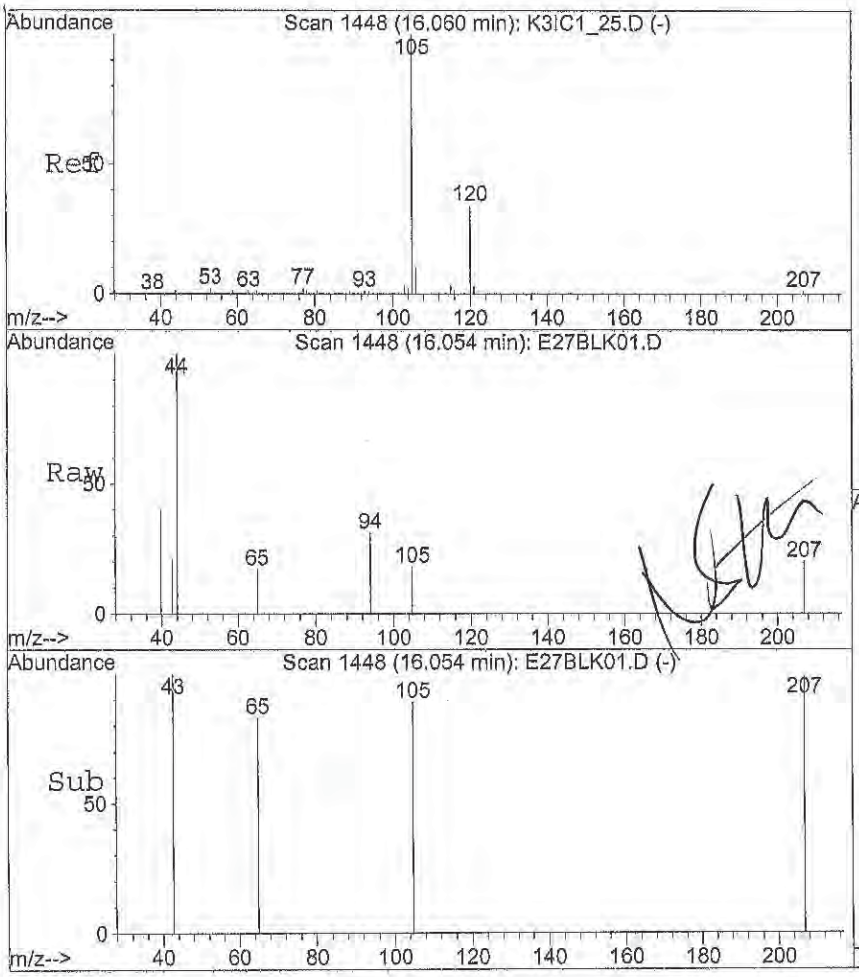


#62
n-Propylbenzene
Concen: 0.05 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. -0.25 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion: 91 Resp: 1331

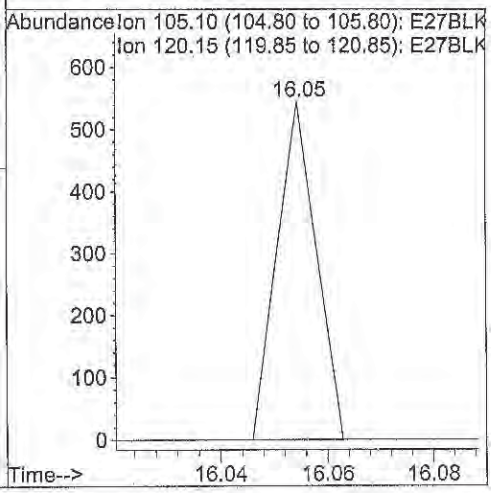
Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

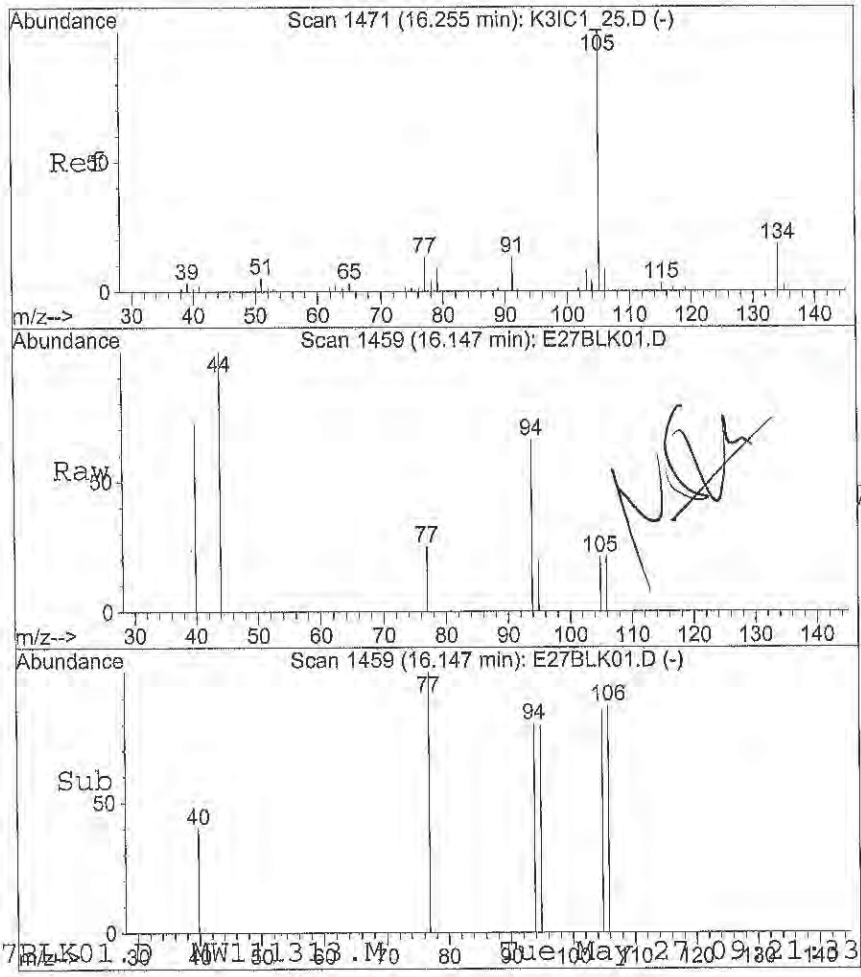




#67
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

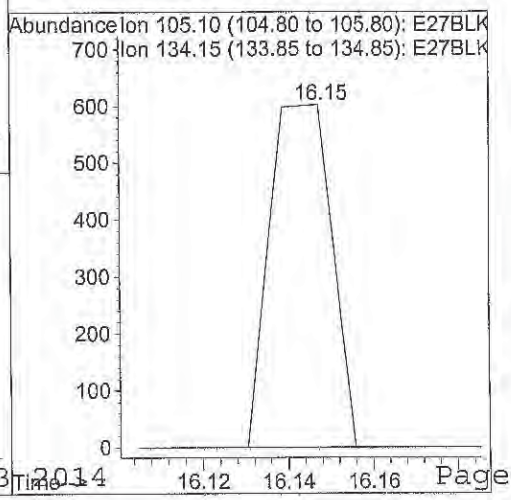
Tgt Ion:105	Resp:	276	
Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

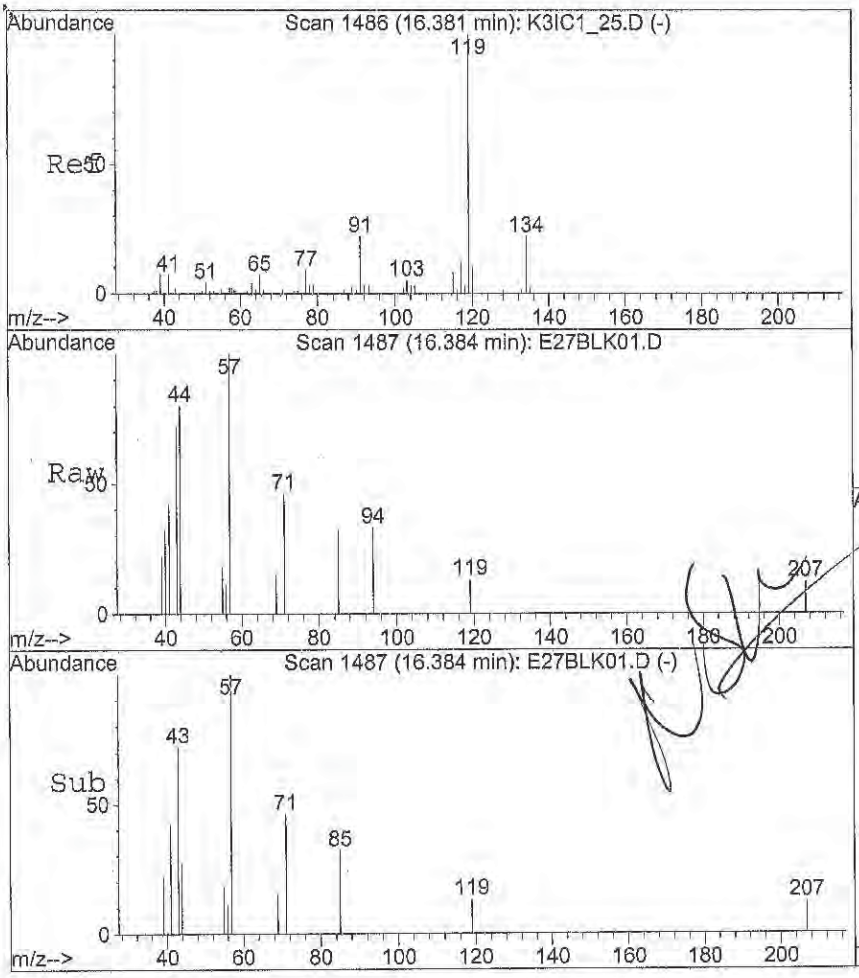




#68
sec-Butylbenzene
Concen: 0.03 ug/L
RT: 16.15 min Scan# 1459
Delta R.T. -0.11 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion:105	Resp:	608	
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

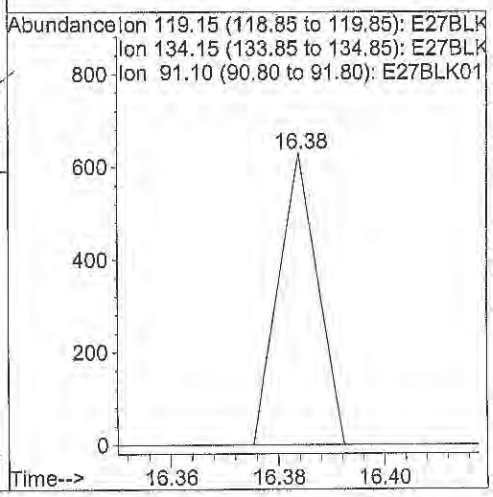




#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E27BLK01.D
Acq: 27 May 2014 9:00 am

Tgt Ion:119 Resp: 319

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27BLK01.D Vial: 11
Acq On : 27 May 2014 9:00 am Operator: DN
Sample : 34E2701-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:27 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1865195	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.91	117	1375580	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	703693	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	509925	10.51	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 84.08%			
3) Chloroform-d (SU6)	9.18	84	816897	11.74	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 93.92%			
4) Methylene Chloride-d2 (SU5	7.07	86	452369	11.12	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 88.96%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	480809	14.50	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 116.00%			
6) Benzene-d6 (SU7)	9.92	84	1592976	10.88	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 87.04%			
8) Toluene-d8 (SU3)	12.20	98	1606996	12.31	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.48%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	718155	13.33	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.64%			

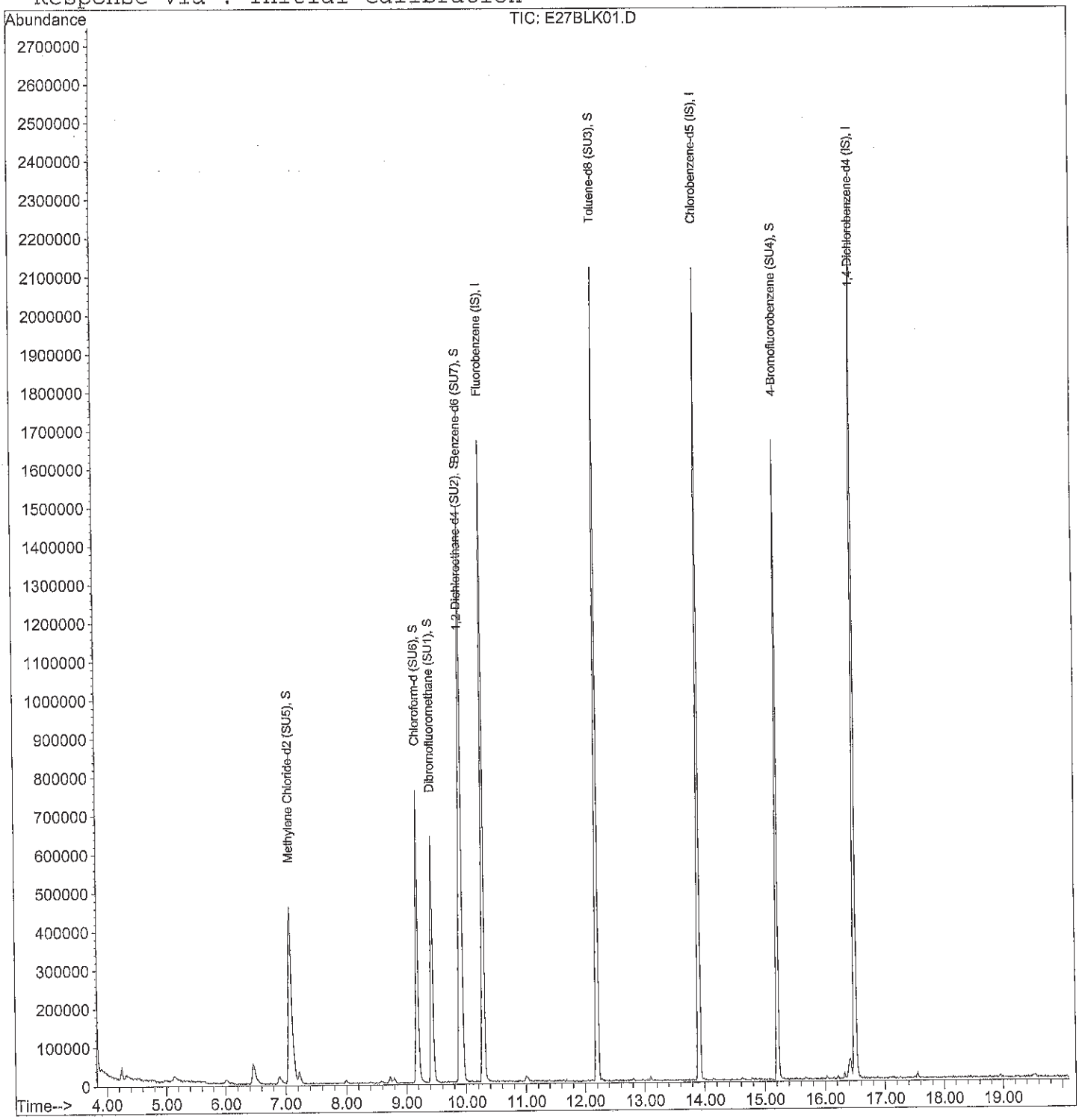
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27BLK01.D Vial: 11
Acq On : 27 May 2014 9:00 am Operator: DN
Sample : 34E2701-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:27 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



RAW DATA FOR ANALYZED SAMPLES INCLUDING CHROMATOGRAMS, QUANTITATION REPORTS AND SPECTRA

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700001.D Vial: 11
Acq On : 27 May 2014 9:29 am Operator: DN
Sample : 3E42701-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:55 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1669603	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1275583	12.50	ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	659835	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	469086	11.26	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.08%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	473095	11.95	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.60%			
39) Toluene-d8 (SU3)	12.21	98	1415096	11.89	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.12%			
58) 4-Bromofluorobenzene (SU4)	15.21	95	684561	13.12	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 104.96%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	4829	0.50	ug/L	61
6) Bromomethane	5.14	96	3104	-0.09	ug/L	98
7) Chloroethane	5.15	64	2088	2.19	ug/L	99
11) Acetone	6.46	58	24206	42.99	ug/L	82
12) (IPA) Leak Check Compound	6.50	45	49904	248.74	ug/L	82
14) Methylene Chloride	7.08	84	7521	1.64	ug/L #	1
15) (TBA) tert-Butanol	6.90	59	3155	11.08	ug/L #	77
20) 2,2-Dichloropropane	8.93	77	265	0.04	ug/L #	36
21) (MEK) 2-Butanone	8.79	72	1596	3.40	ug/L #	1
24) Chloroform	9.22	83	1182	0.14	ug/L #	18
31) Benzene	9.93	78	11816	0.75	ug/L #	74
32) 1,2-Dichloroethane	9.93	62	7140	1.28	ug/L #	1
34) 1,2-Dichloropropane	11.02	63	353	0.09	ug/L #	34
40) (MIBK) 4-Methyl-2-Pentanon	12.13	43	256	0.10	ug/L #	100
41) Toluene	12.29	91	1407	0.08	ug/L #	72
46) 2-Hexanone	12.97	43	2260	0.81	ug/L #	70
51) Ethylbenzene	14.03	91	517	0.03	ug/L #	45
54) Styrene	14.63	104	1203	-0.76	ug/L #	39
56) Isopropylbenzene	15.21	105	1284	0.07	ug/L #	1
62) n-Propylbenzene	15.21	91	2236	0.08	ug/L #	56
67) 1,2,4-Trimethylbenzene	16.15	105	383	0.02	ug/L #	33
68) sec-Butylbenzene	16.15	105	383	0.02	ug/L #	62

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700001.D Vial: 11
Acq On : 27 May 2014 9:29 am Operator: DN
Sample : 3E42701-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:55 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

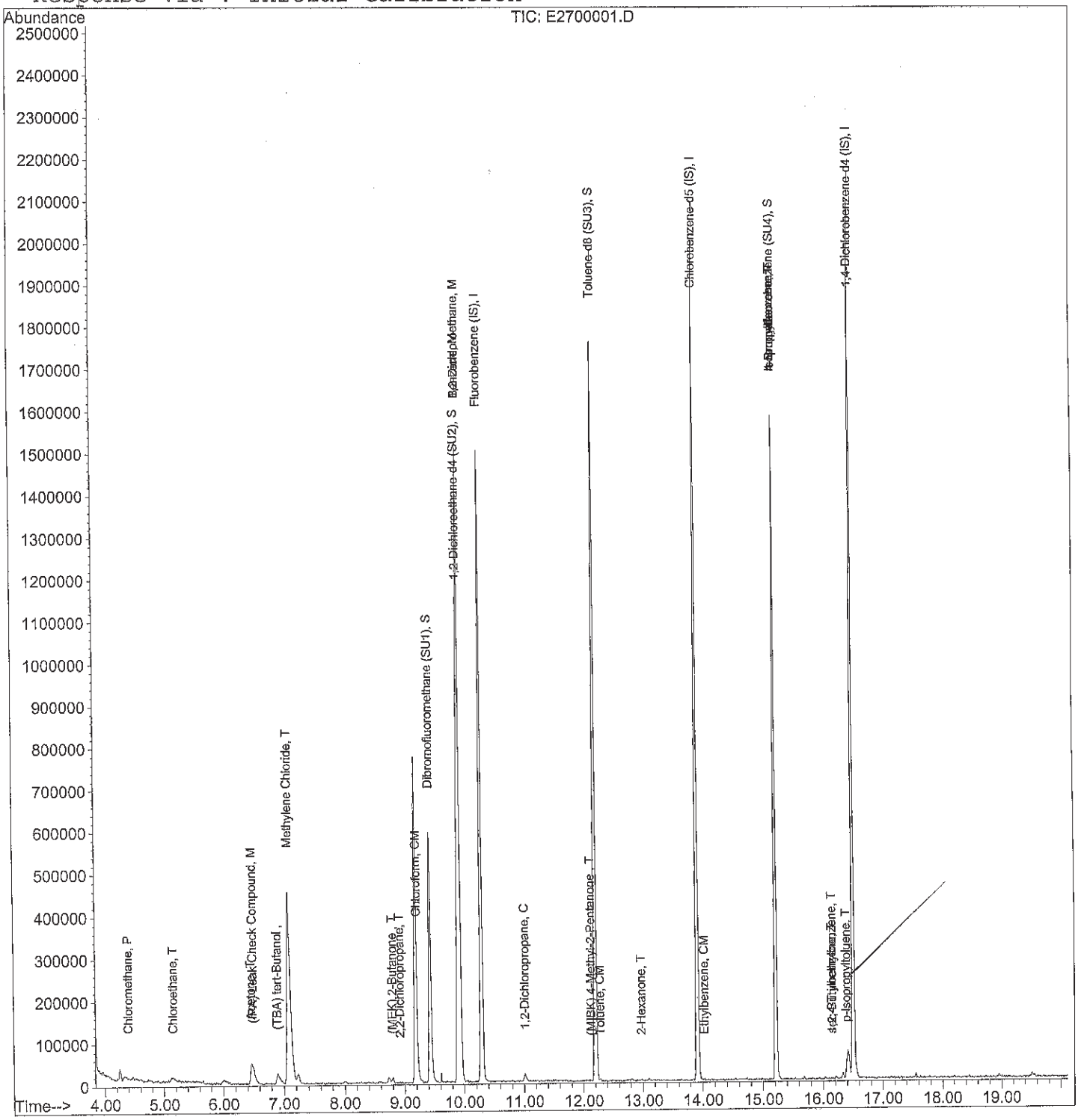
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69) p-Isopropyltoluene	16.38	119	415	0.02	ug/L	52

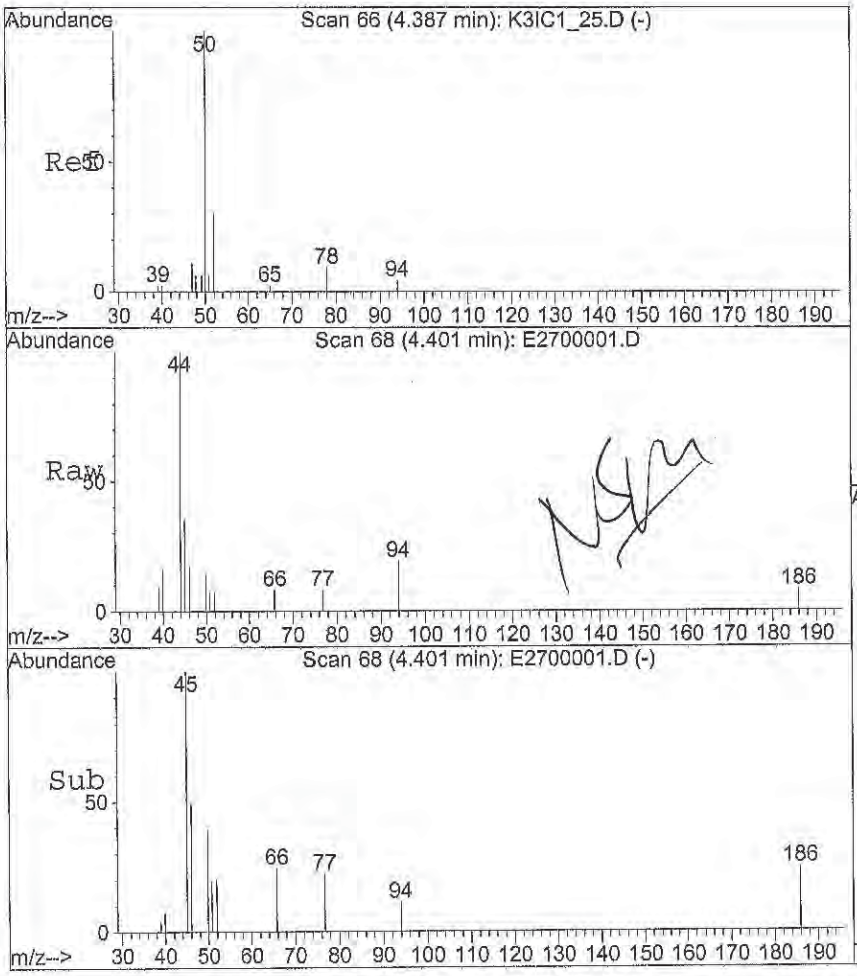
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700001.D Vial: 11
Acq On : 27 May 2014 9:29 am Operator: DN
Sample : 3E42701-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:55 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

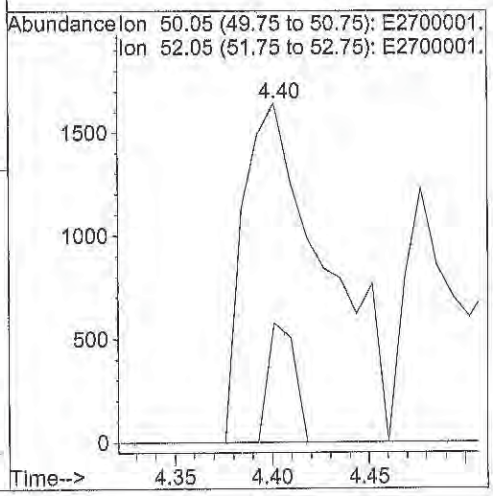


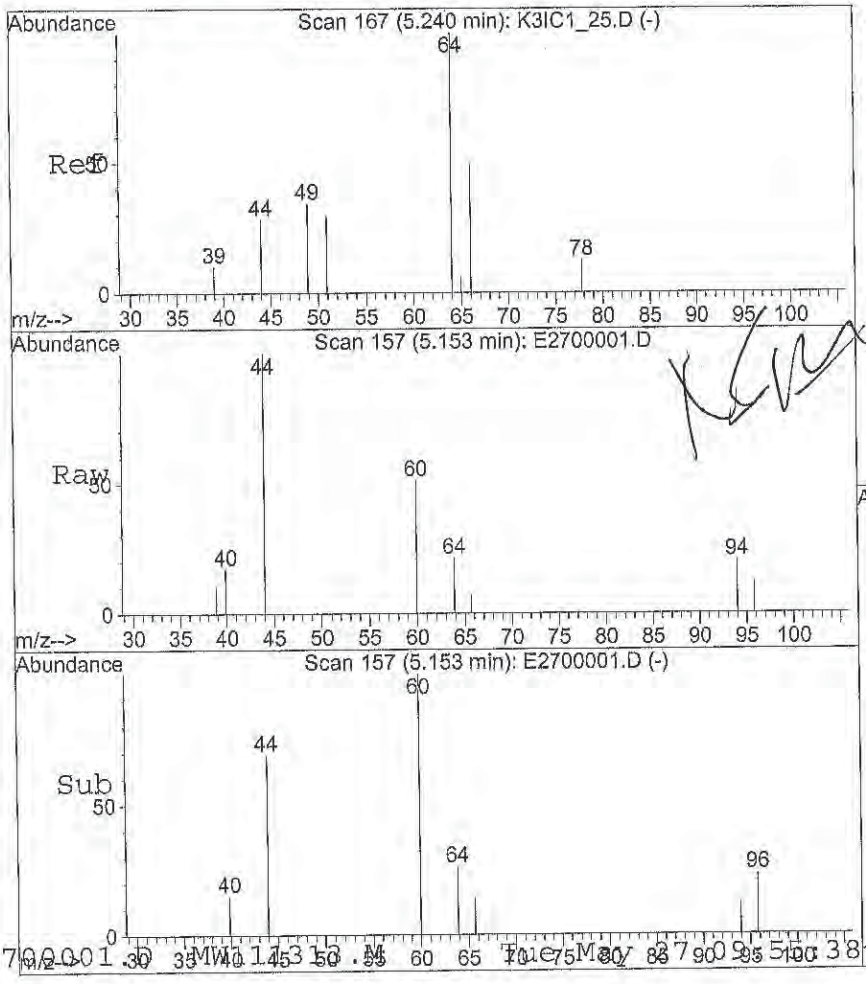


#4
Chloromethane
Concen: 0.50 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 50 Resp: 4829

Ion	Ratio	Lower	Upper
50	100		
52	11.3	26.9	40.3#

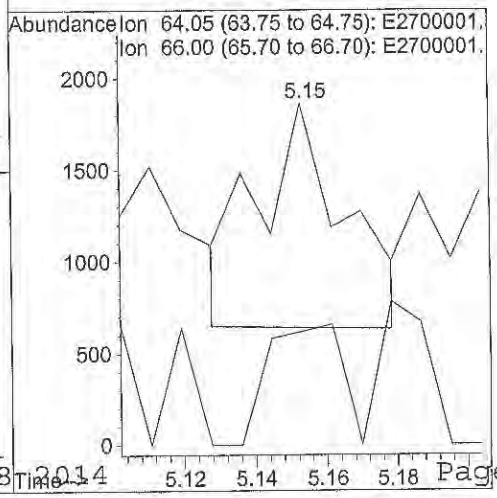


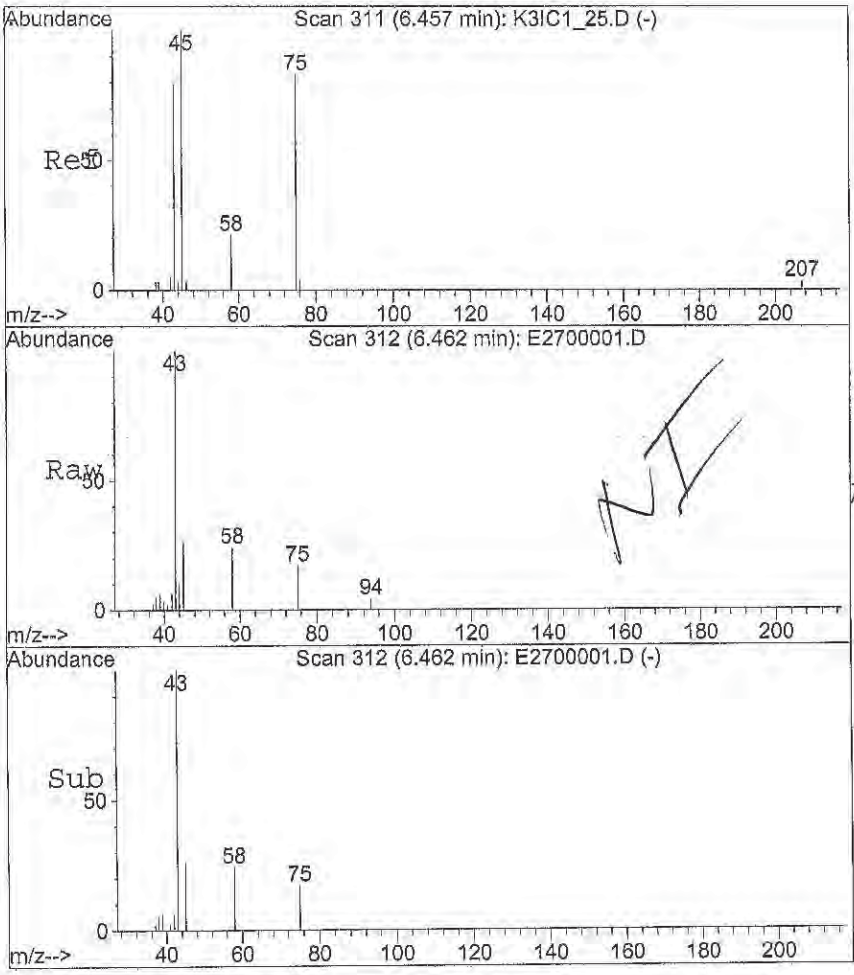


#7
Chloroethane
Concen: 2.19 ug/L
RT: 5.15 min Scan# 157
Delta R.T. -0.09 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 64 Resp: 2088

Ion	Ratio	Lower	Upper
64	100		
66	45.1	35.4	53.0

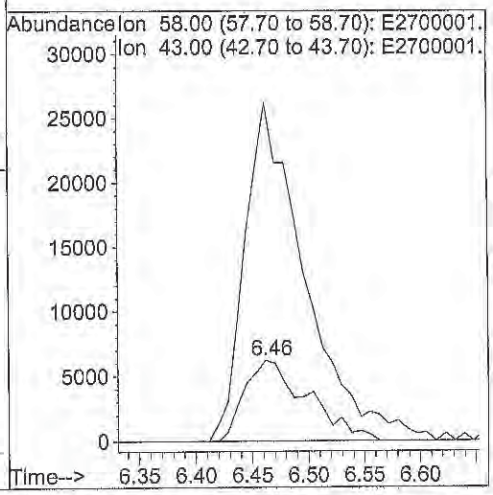


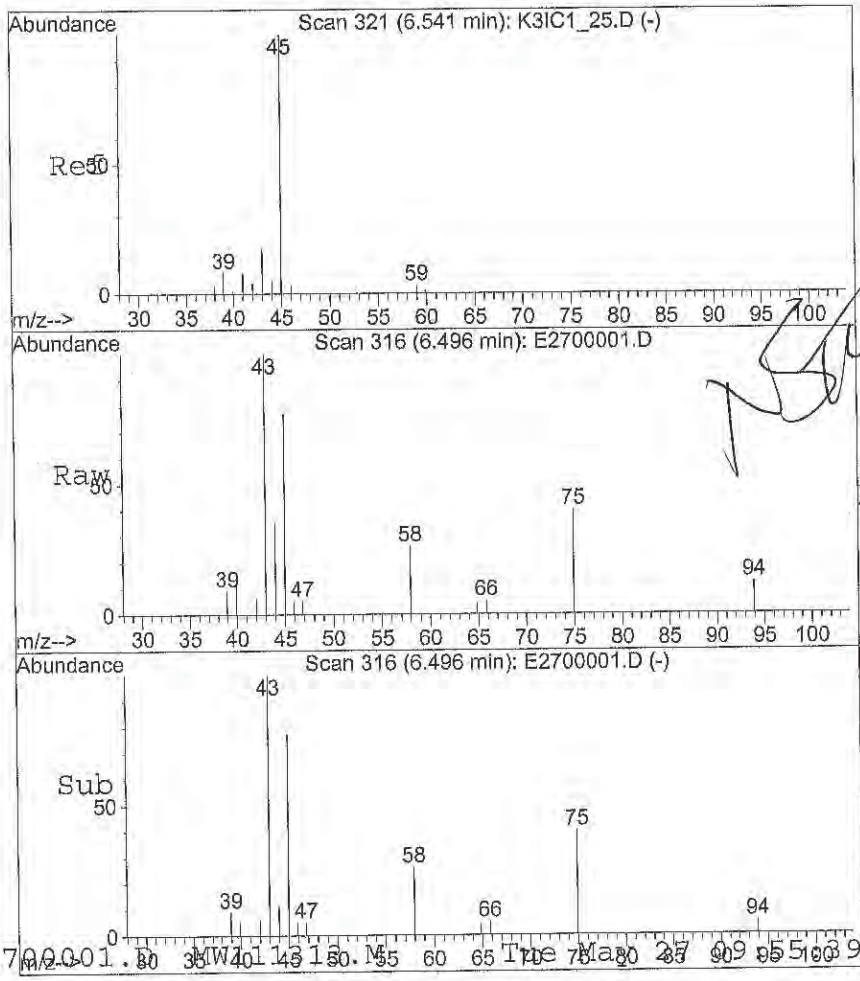


#11
Acetone
Concen: 42.99 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 58 Resp: 24206

Ion	Ratio	Lower	Upper
58	100		
43	404.5	360.9	541.3

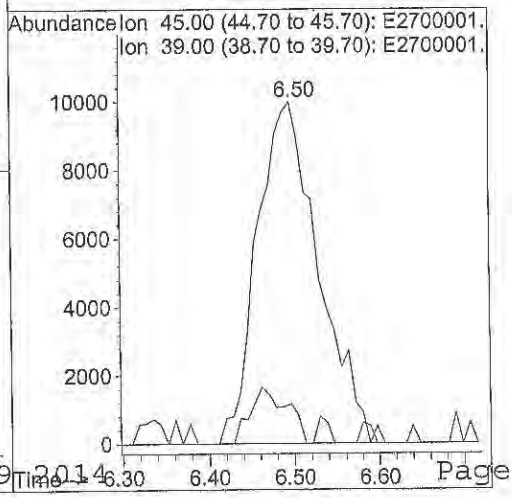


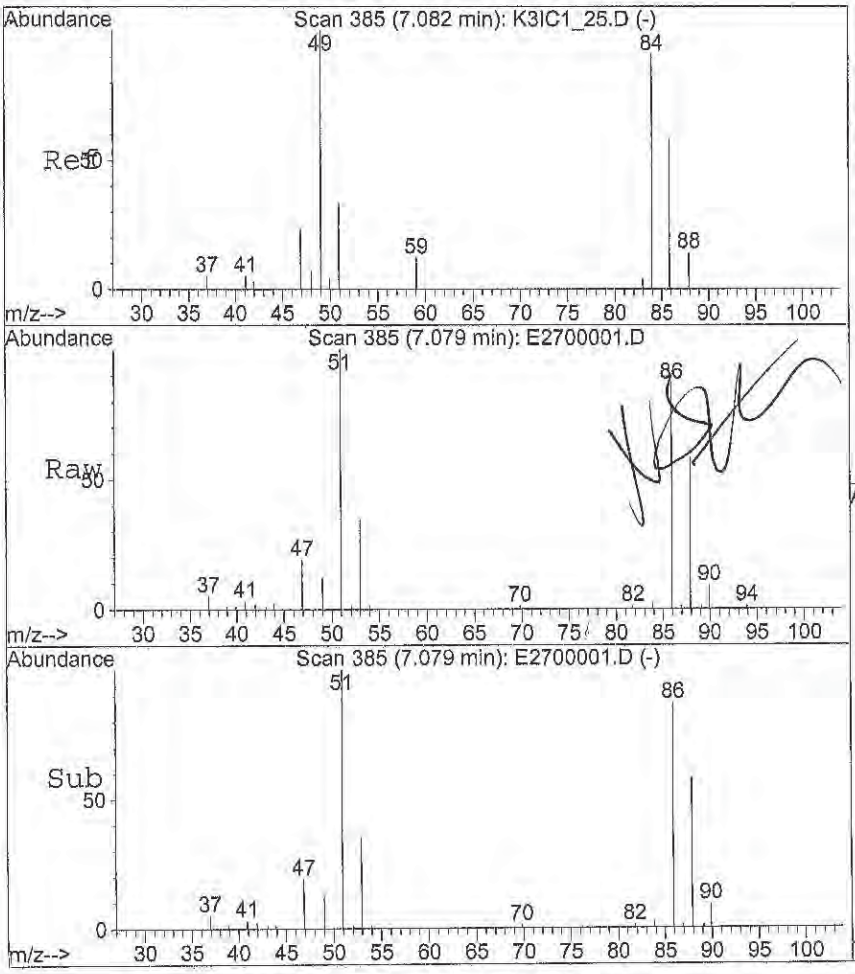


#12
(IPA) Leak Check Compound
Concen: 248.74 ug/L
RT: 6.50 min Scan# 316
Delta R.T. -0.04 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 45 Resp: 49904

Ion	Ratio	Lower	Upper
45	100		
39	0.0	4.9	7.3#

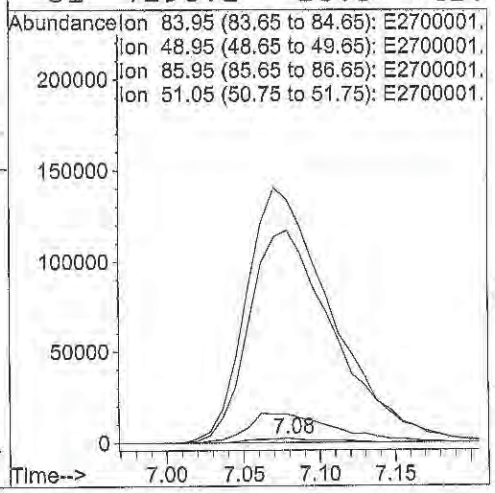


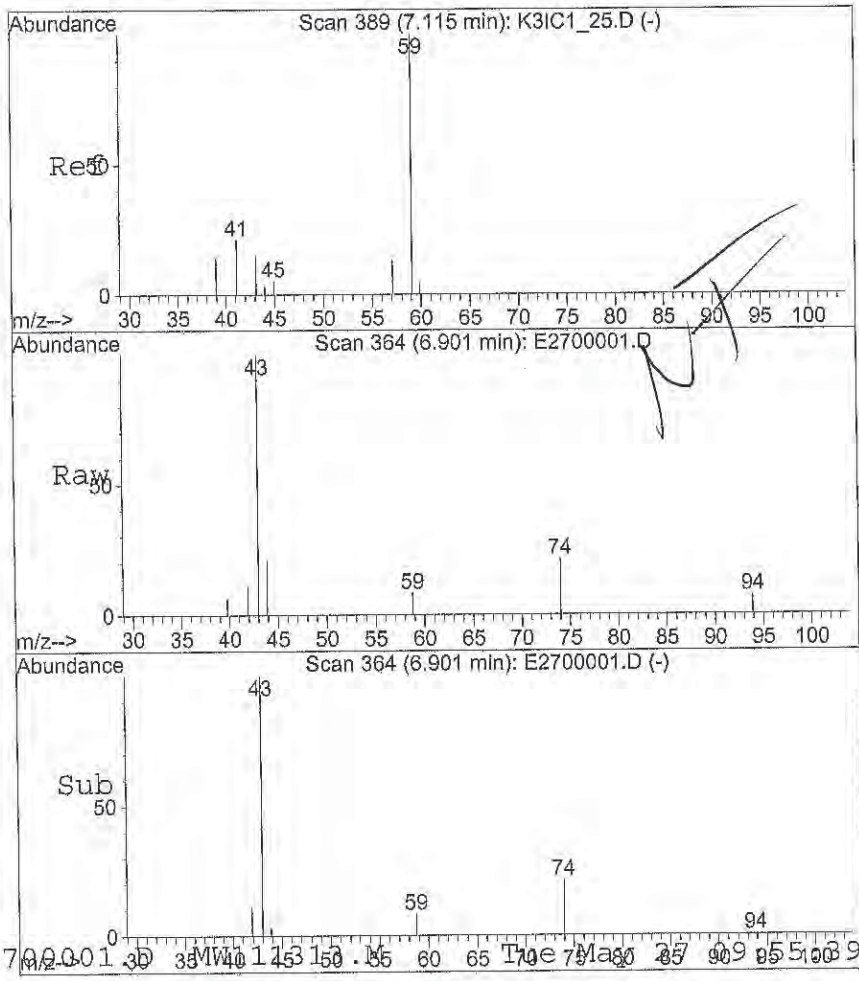


#14
Methylene Chloride
Concen: 1.64 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.00 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 84 Resp: 7521

Ion	Ratio	Lower	Upper
84	100		
49	839.0	89.8	134.6#
86	6110.1	51.1	76.7#
51	7296.1	28.5	42.7#

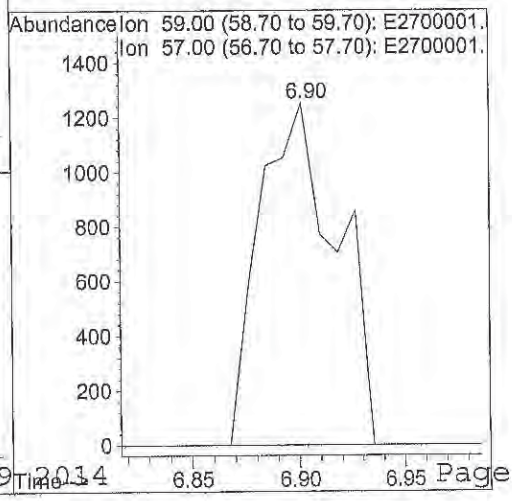


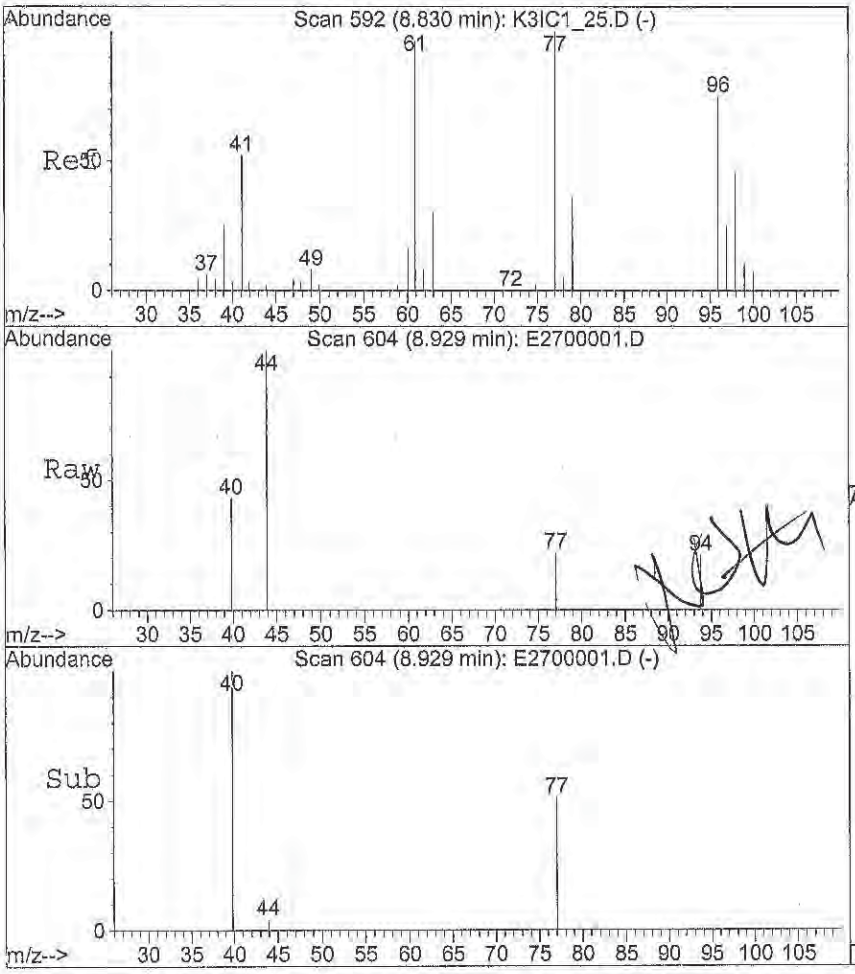


#15
(TBA) tert-Butanol
Concen: 11.08 ug/L
RT: 6.90 min Scan# 364
Delta R.T. -0.21 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 59 Resp: 3155

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

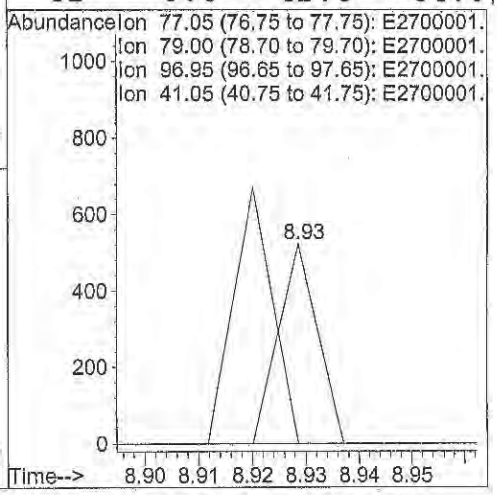


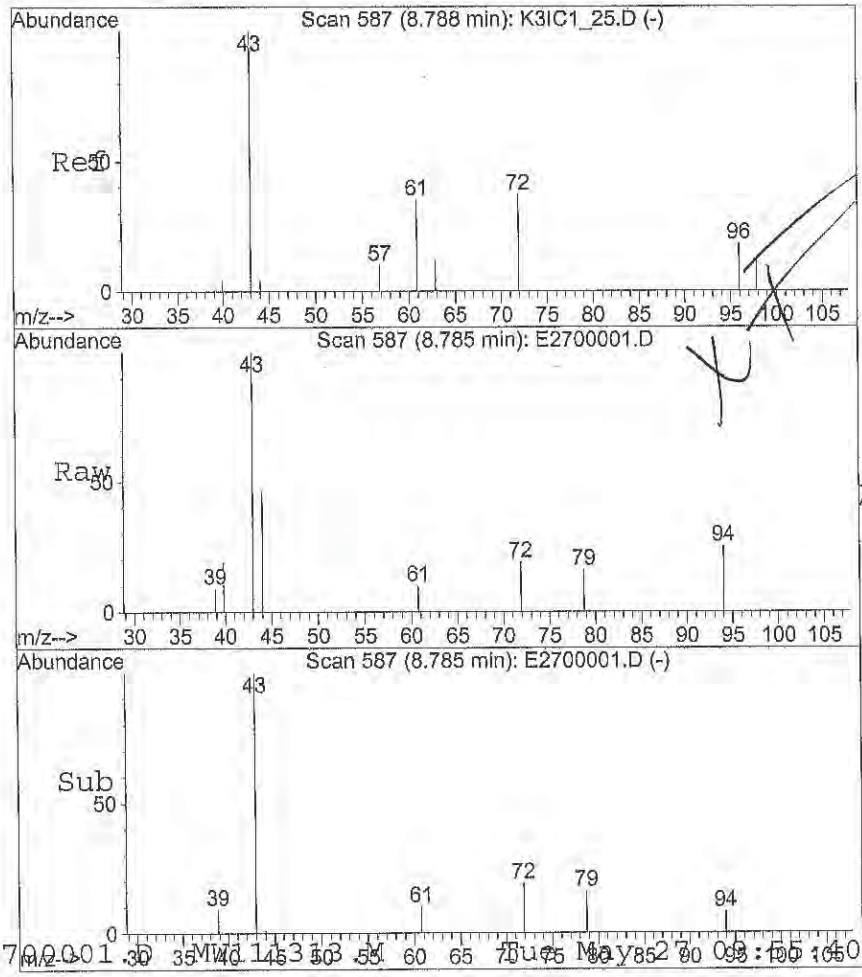


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.93 min Scan# 604
Delta R.T. 0.10 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 77 Resp: 265

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

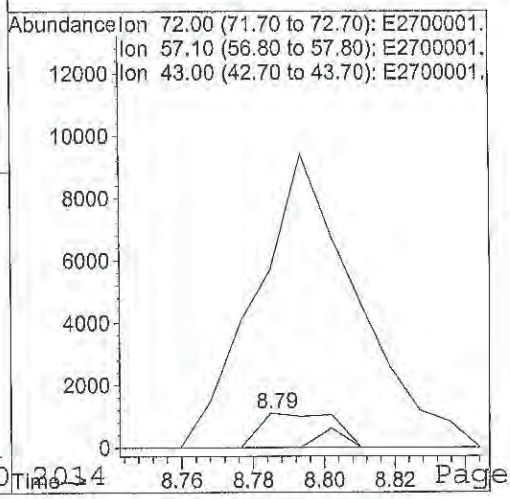


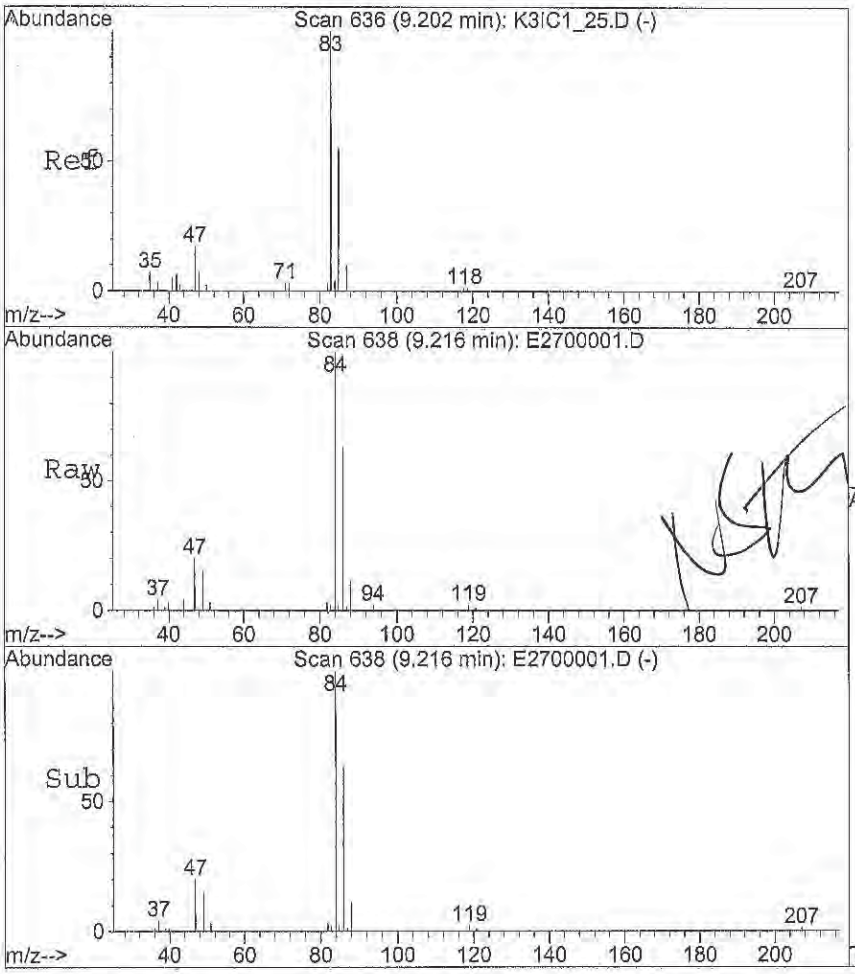


#21
(MEK) 2-Butanone
Concen: 3.40 ug/L
RT: 8.79 min Scan# 587
Delta R.T. -0.00 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 72 Resp: 1596

Ion	Ratio	Lower	Upper
72	100		
57	19.4	17.5	26.3
43	1165.0	314.2	471.2#

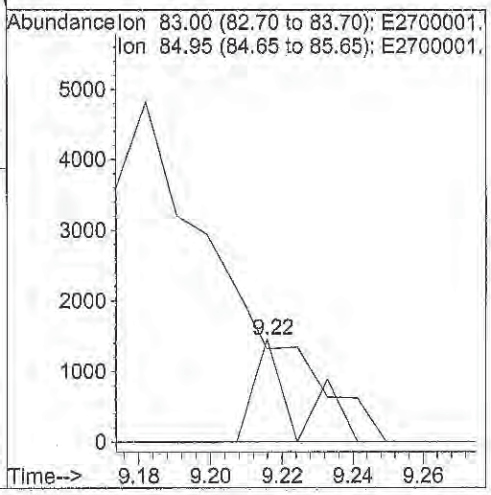


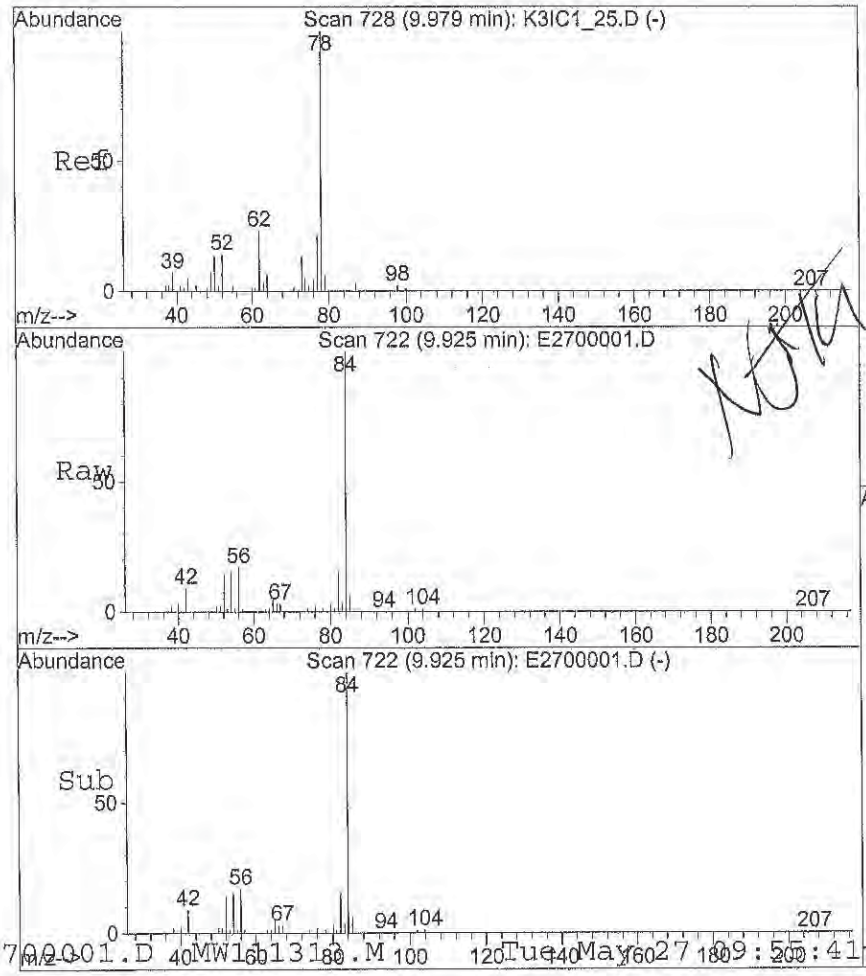


#24
Chloroform
Concen: 0.14 ug/L
RT: 9.22 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 83 Resp: 1182

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

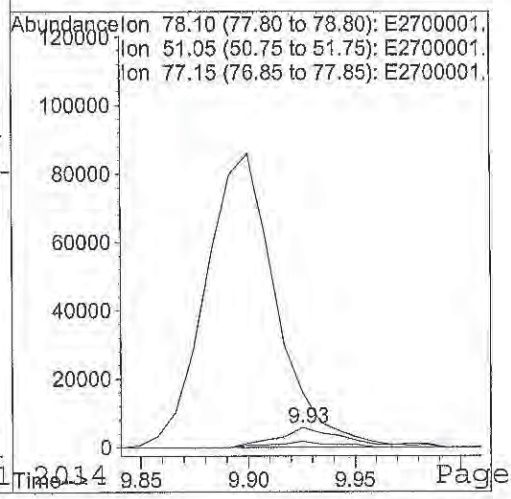


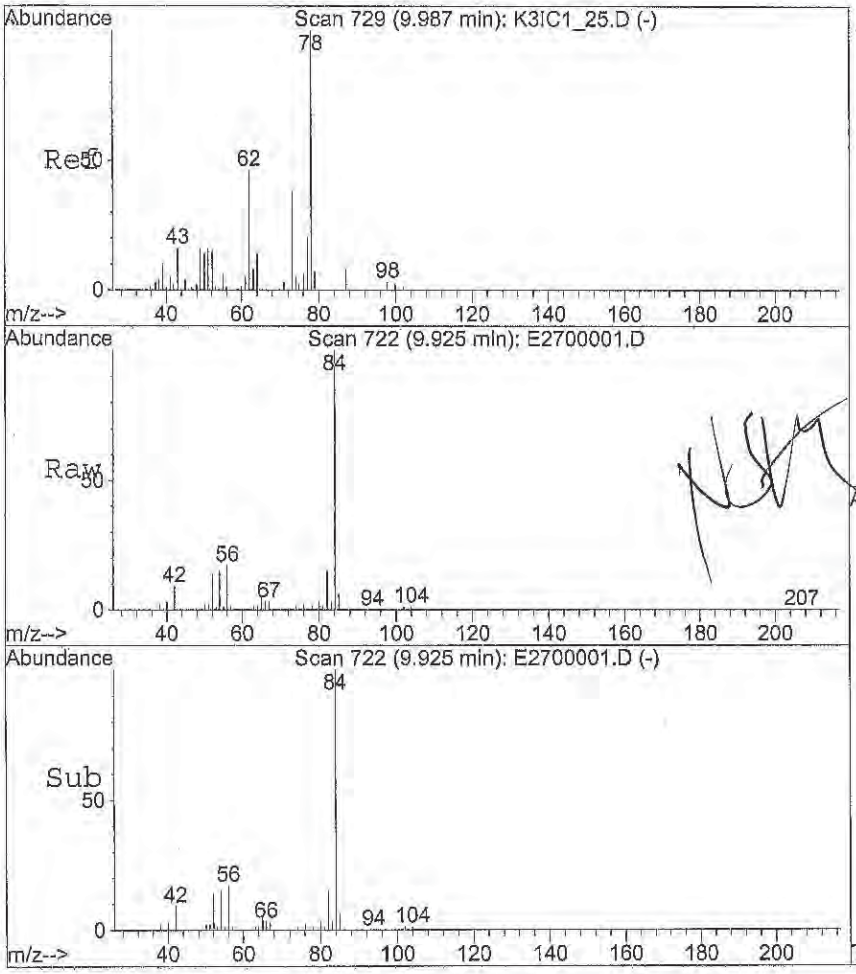


#31
Benzene
Concen: 0.75 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.05 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 78 Resp: 11816

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	26.9	16.6	24.8#

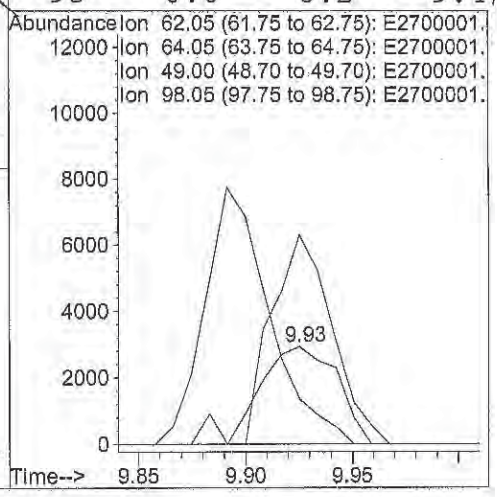


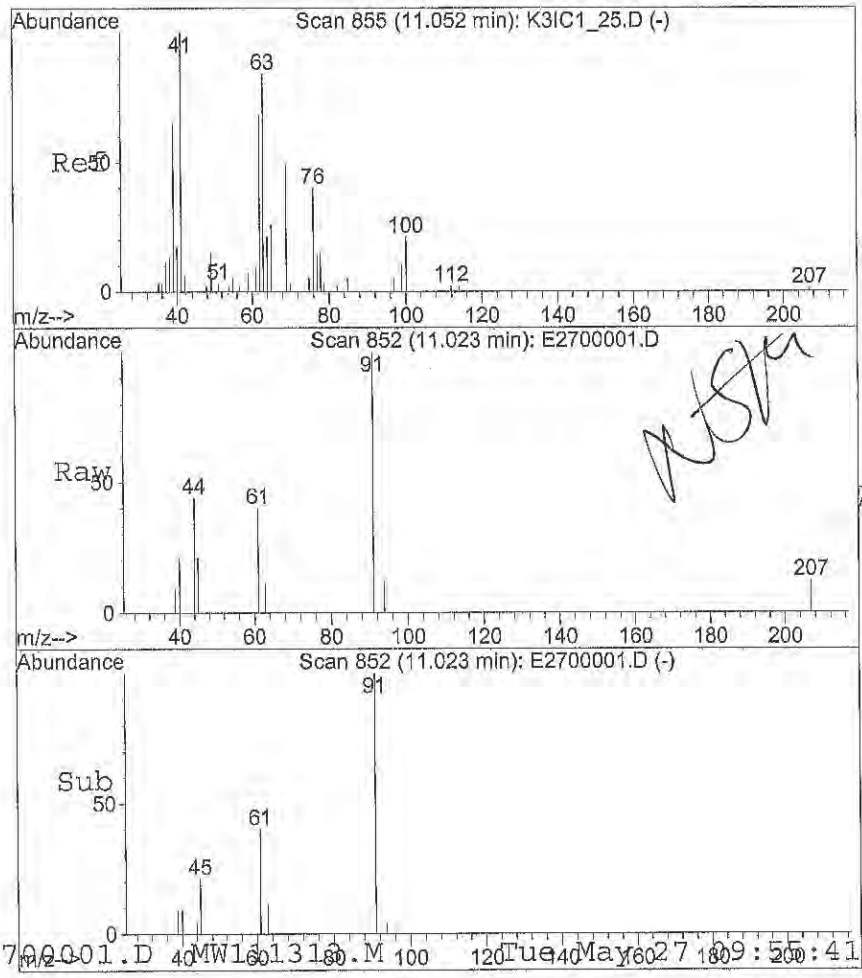


#32
1,2-Dichloroethane
Concen: 1.28 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 62 Resp: 7140

Ion	Ratio	Lower	Upper
62	100		
64	180.2	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

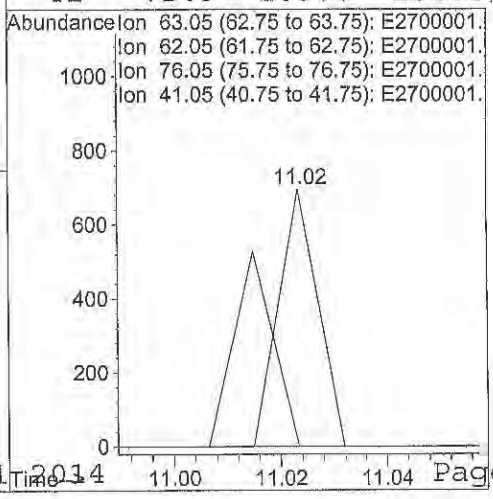


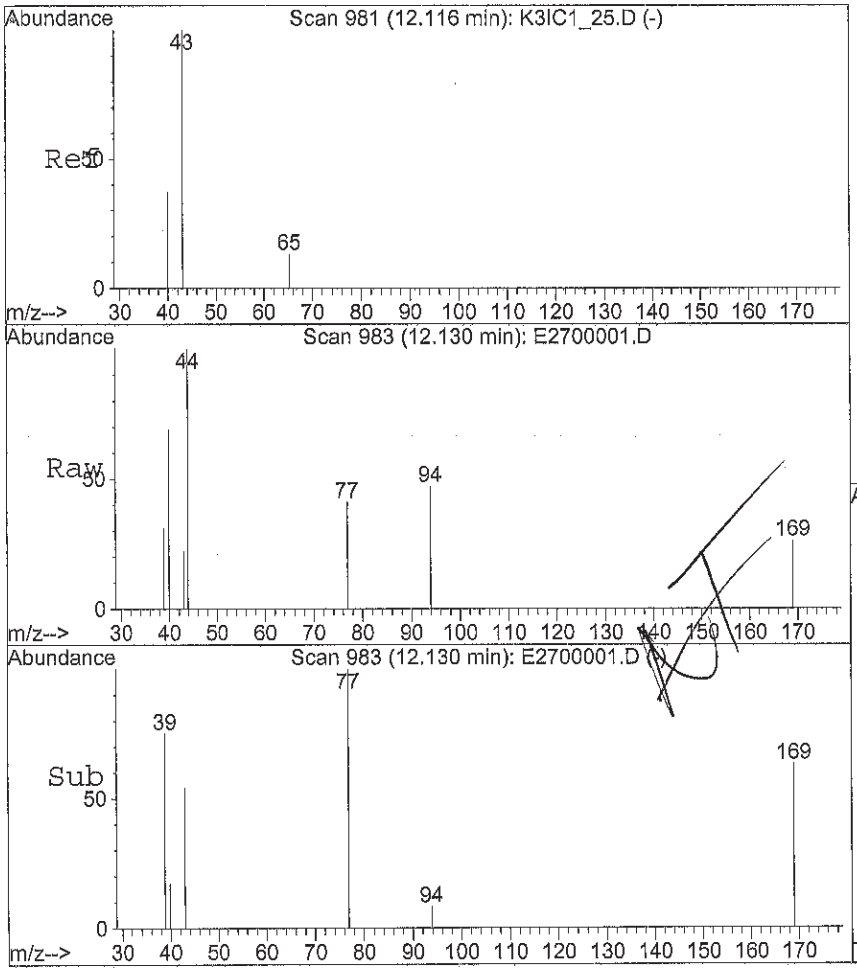


#34
1,2-Dichloropropane
Concen: 0.09 ug/L
RT: 11.02 min Scan# 852
Delta R.T. -0.03 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 63 Resp: 353

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	75.9	103.0	154.6#

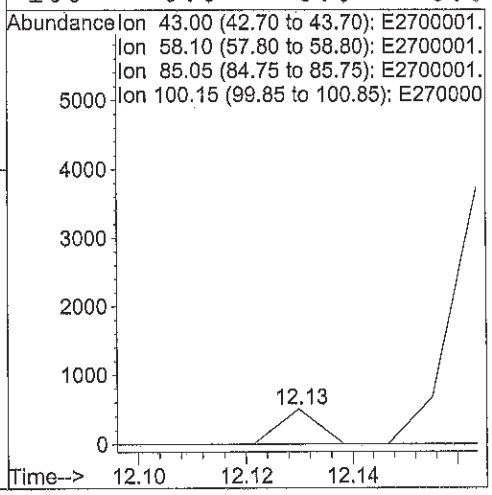


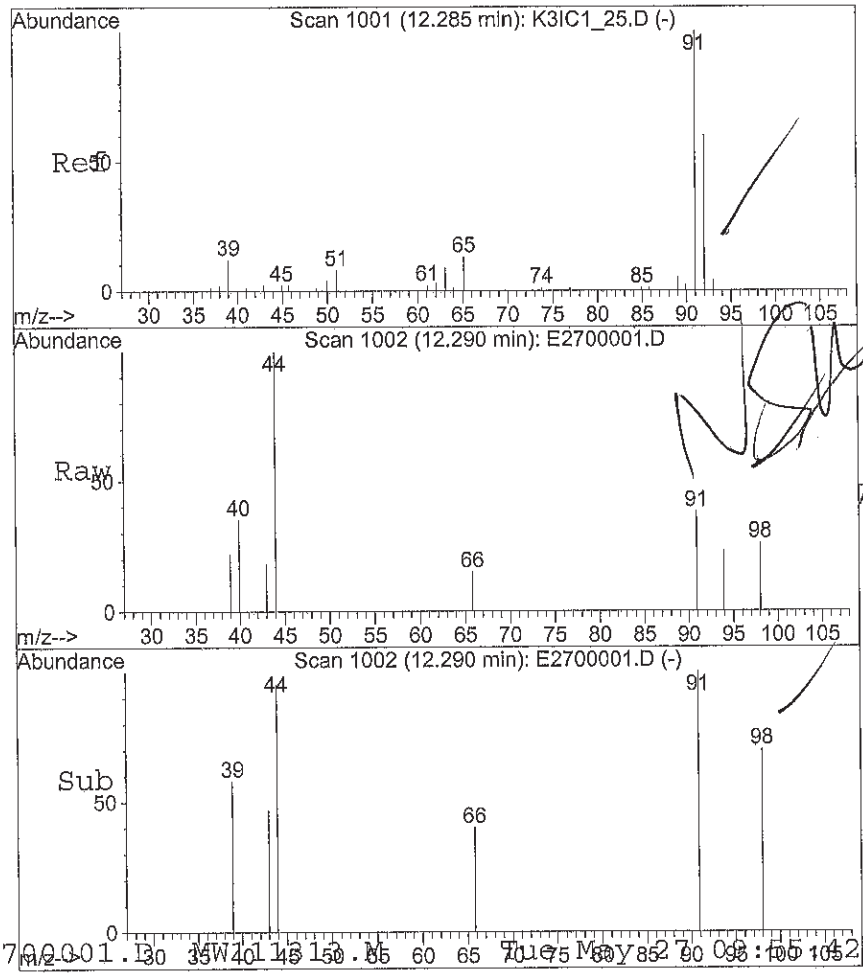


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.10 ug/L
RT: 12.13 min Scan# 983
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 43 Resp: 256

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

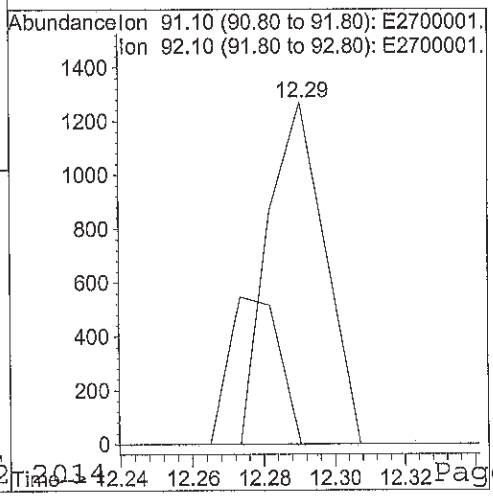


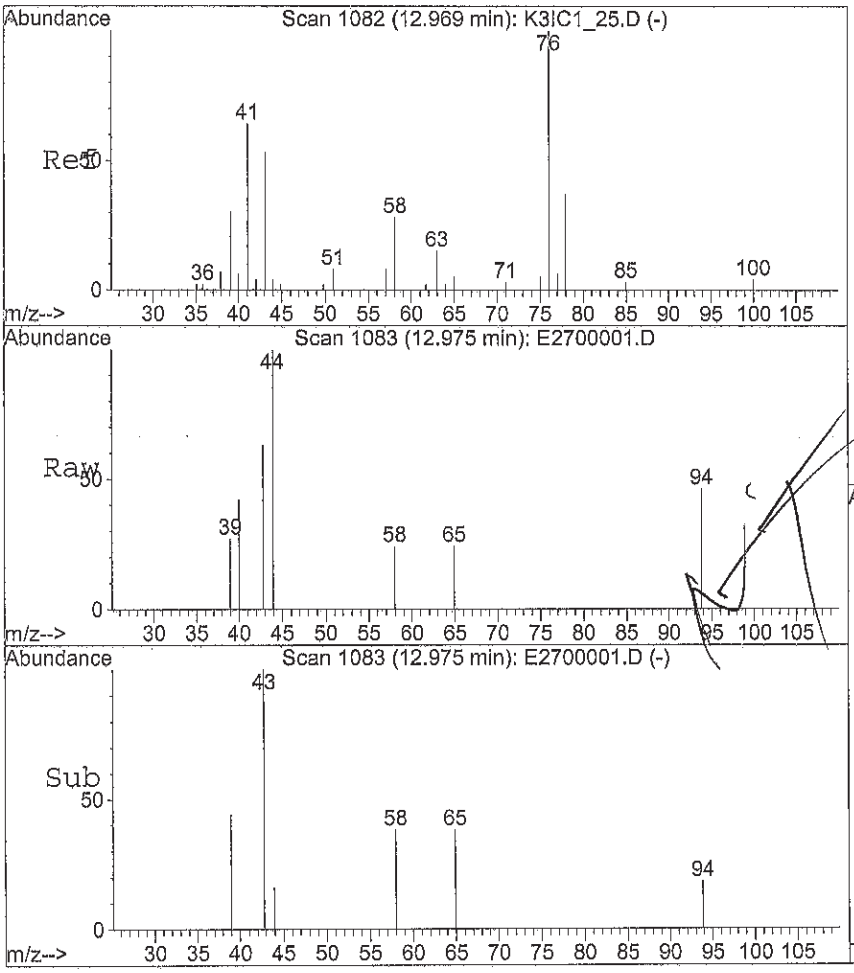


#41
Toluene
Concen: 0.08 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 91 Resp: 1407

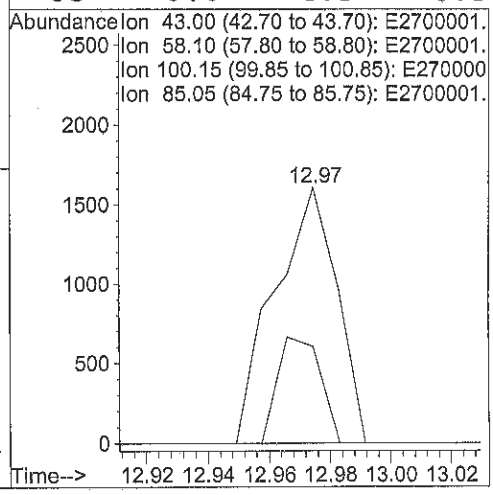
Ion	Ratio	Lower	Upper
91	100		
92	38.3	47.4	71.0#

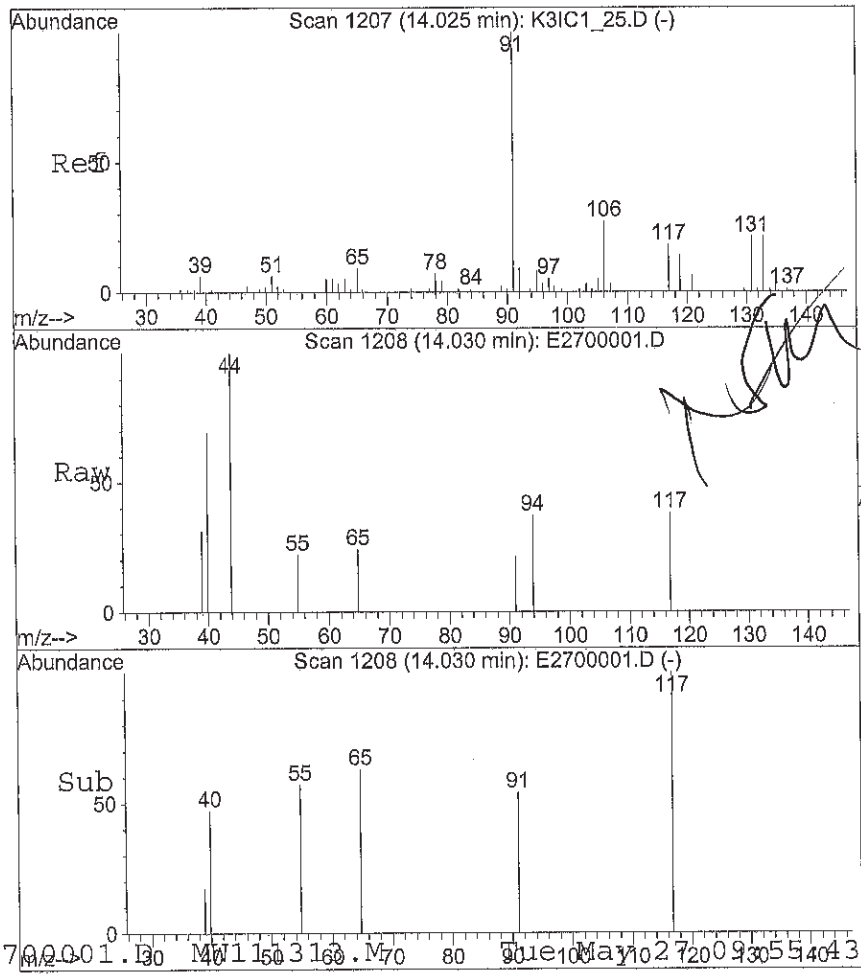




#46
2-Hexanone
Concen: 0.81 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

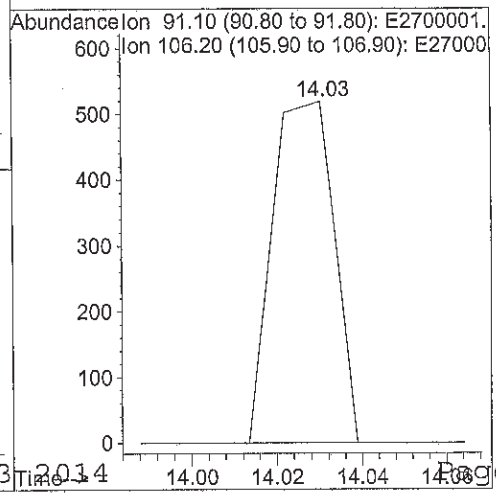
Tgt Ion: 43	Resp:	2260	
Ion	Ratio	Lower	Upper
43	100		
58	28.4	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

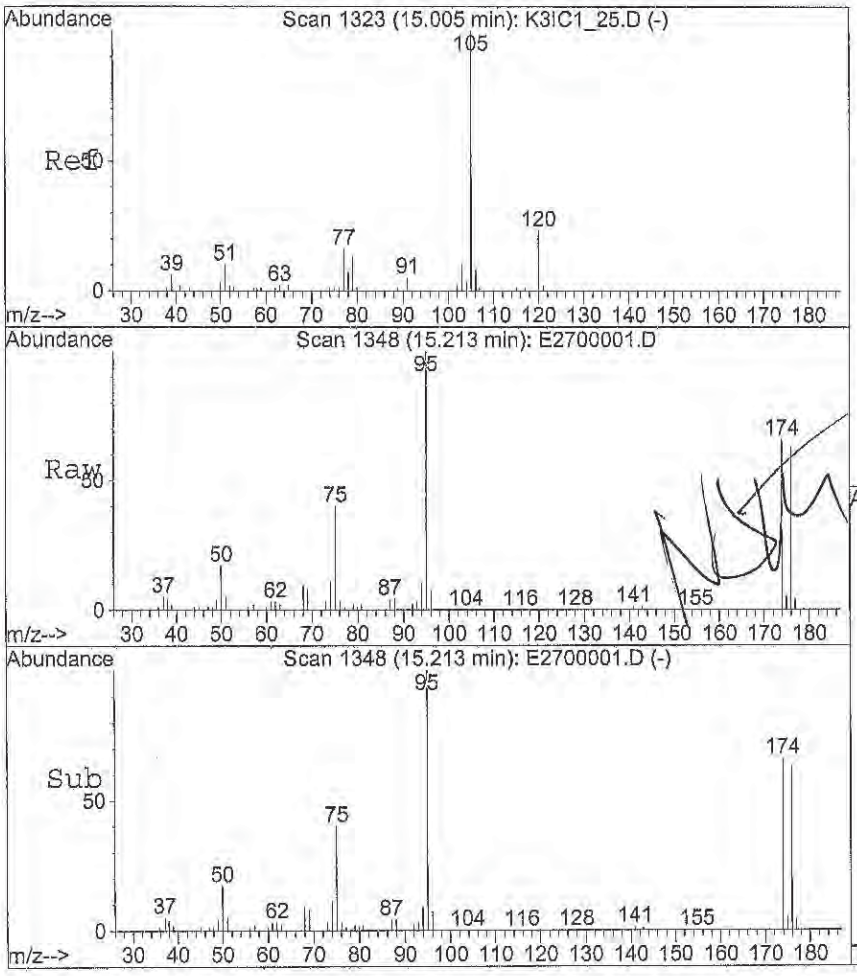




#51
Ethylbenzene
Concen: 0.03 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.01 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 91	Resp:	517	
Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

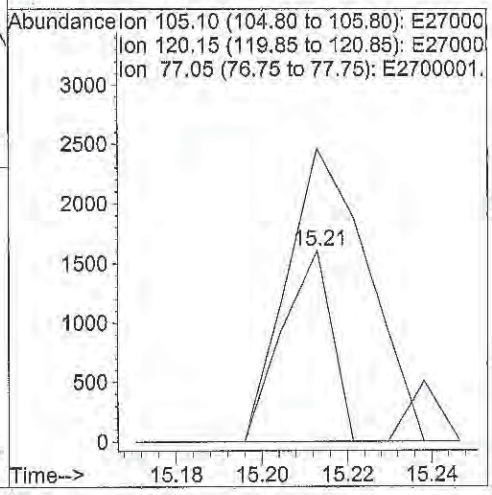


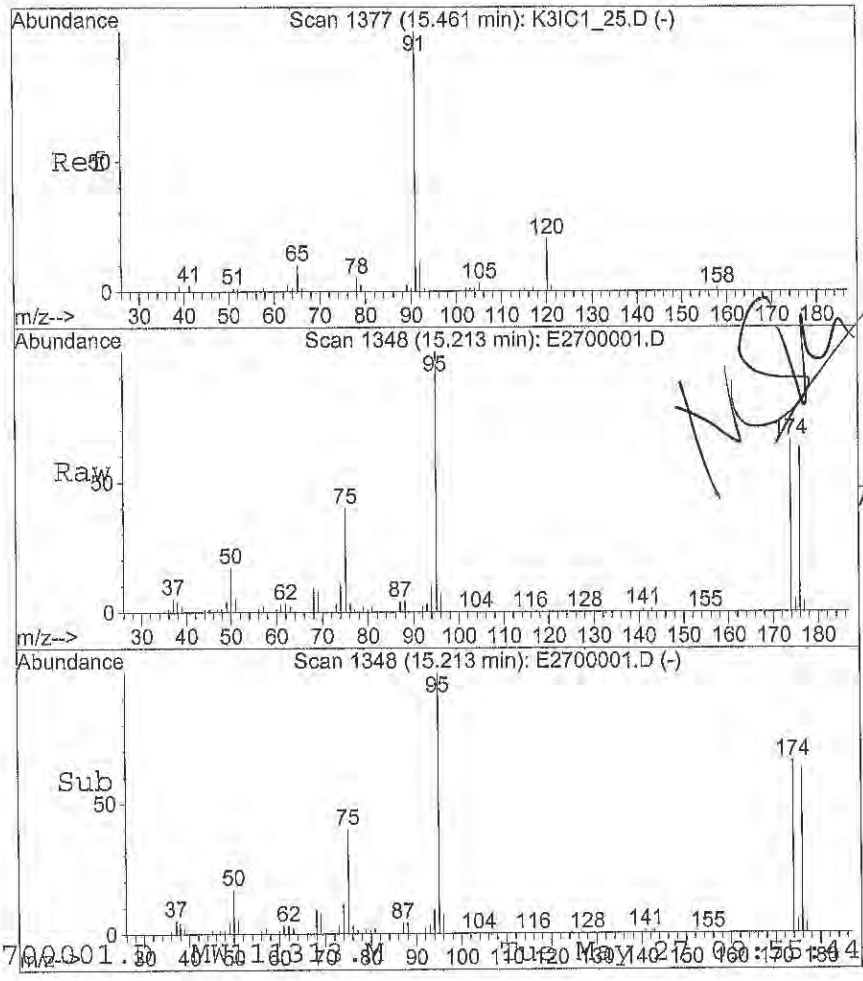


#56
Isopropylbenzene
Concen: 0.07 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. 0.21 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion:105 Resp: 1284

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	253.6	13.1	19.7#

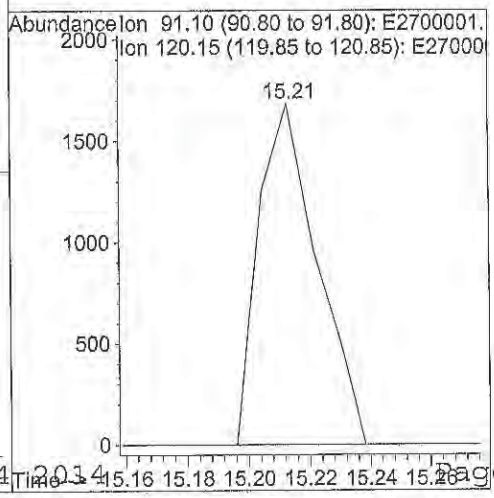


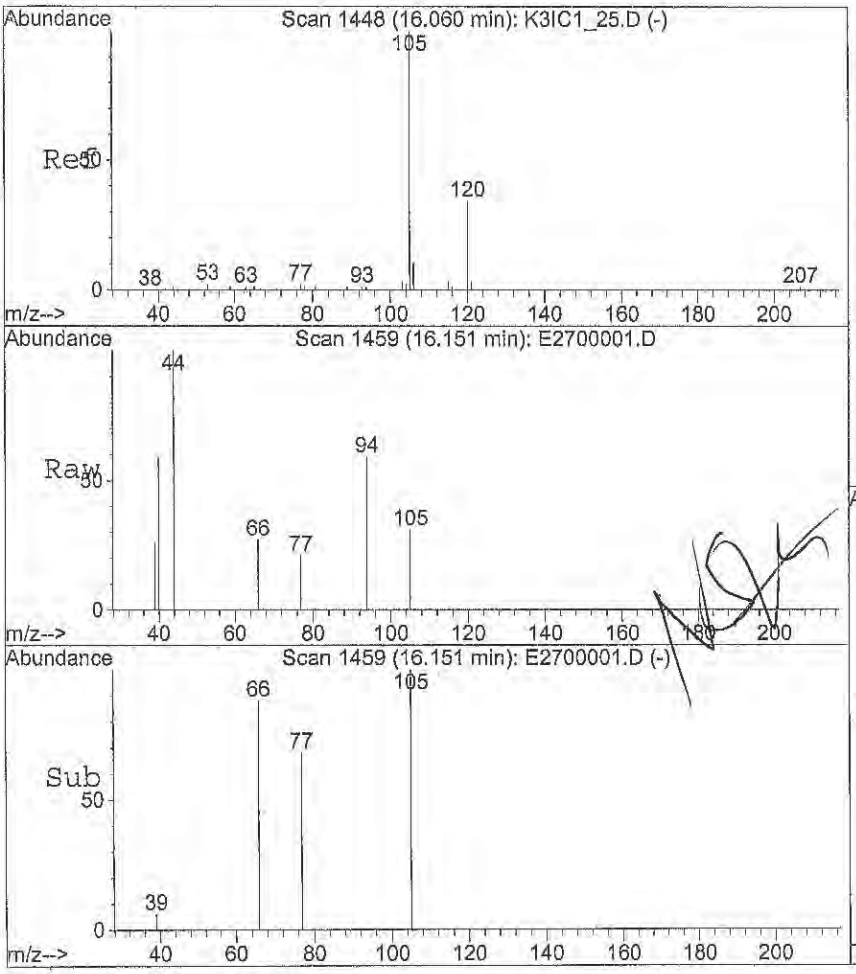


#62
n-Propylbenzene
Concen: 0.08 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. -0.25 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion: 91 Resp: 2236

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

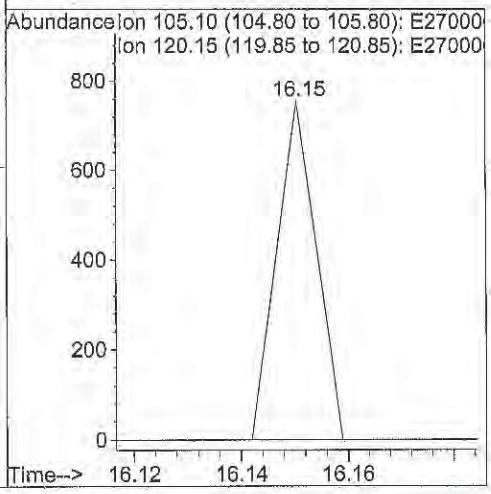


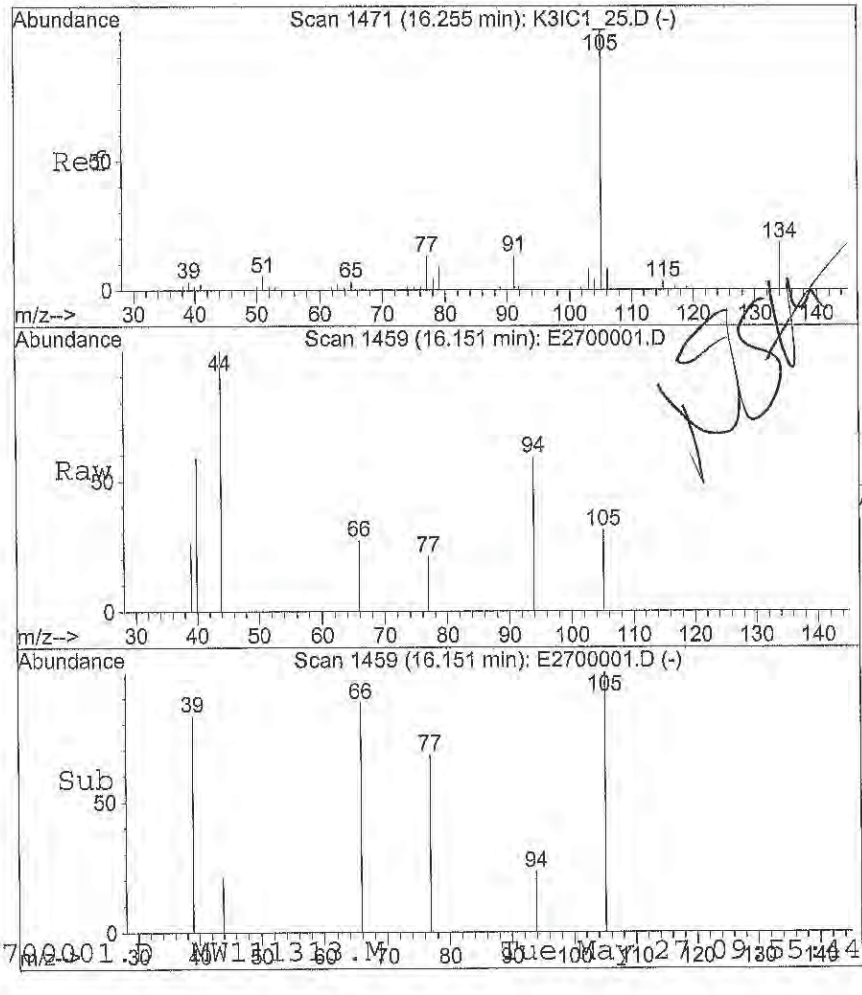


#67
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 16.15 min Scan# 1459
Delta R.T. 0.09 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion:105 Resp: 383

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

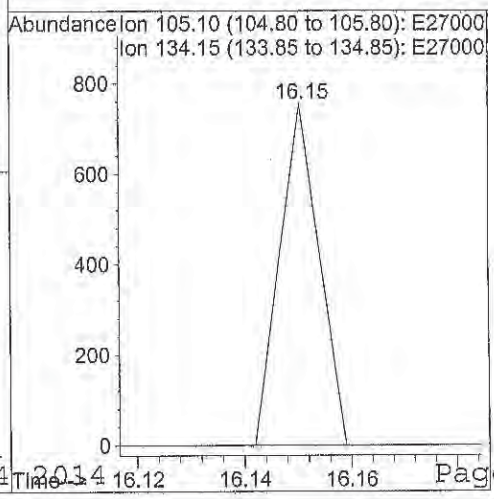


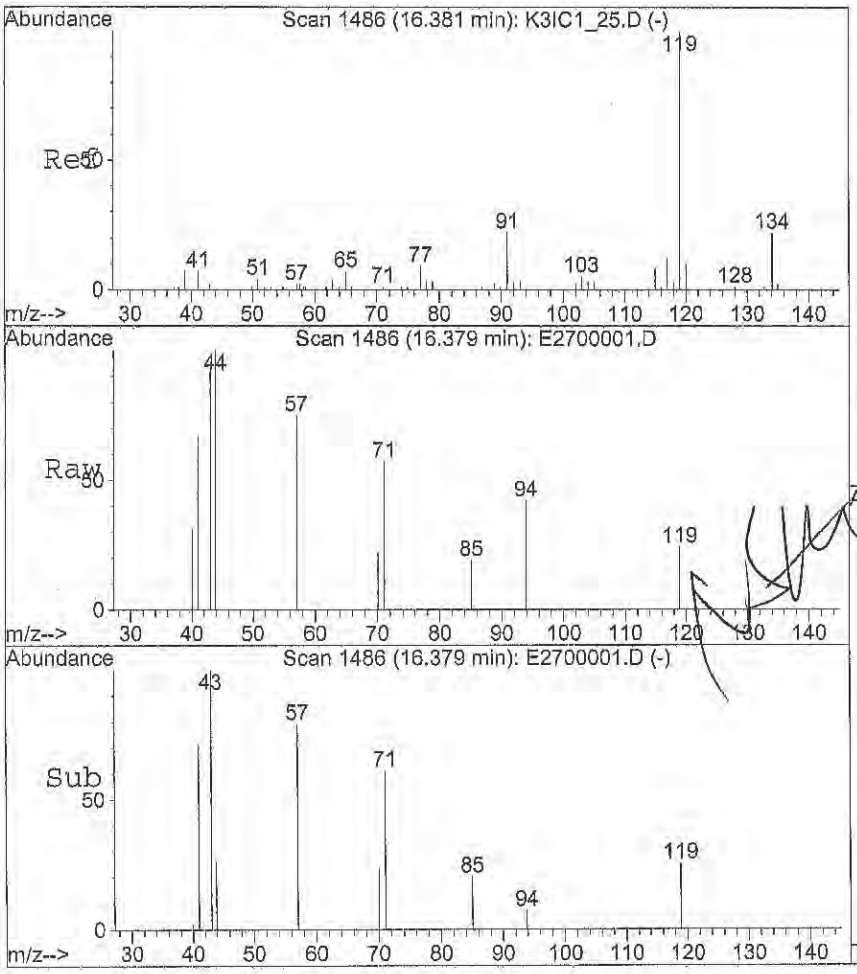


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.15 min Scan# 1459
Delta R.T. -0.10 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion:105 Resp: 383

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

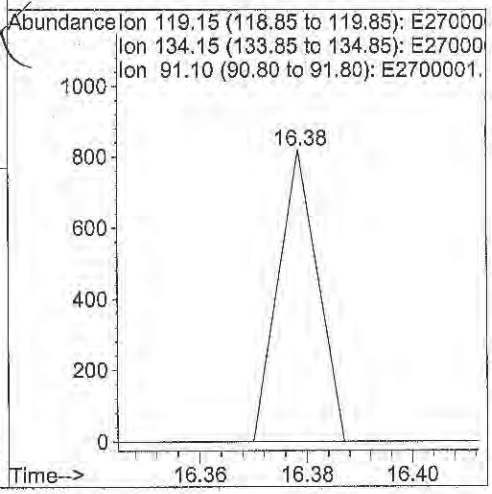




#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2700001.D
Acq: 27 May 2014 9:29 am

Tgt Ion:119 Resp: 415

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700001.D Vial: 11
Acq On : 27 May 2014 9:29 am Operator: DN
Sample : 3E42701-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:56 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1669603	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1275583	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	659835	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	469086	10.80	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.40%			
3) Chloroform-d (SU6)	9.18	84	809186	12.99	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 103.92%			
4) Methylene Chloride-d2 (SU5	7.08	86	459542	12.62	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 100.96%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	473095	15.94	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 127.52%#			
6) Benzene-d6 (SU7)	9.93	84	1603887	12.24	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 97.92%			
8) Toluene-d8 (SU3)	12.21	98	1415096	11.69	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.52%			
9) 4-Bromofluorobenzene (SU4)	15.21	95	684561	13.70	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 109.60%			

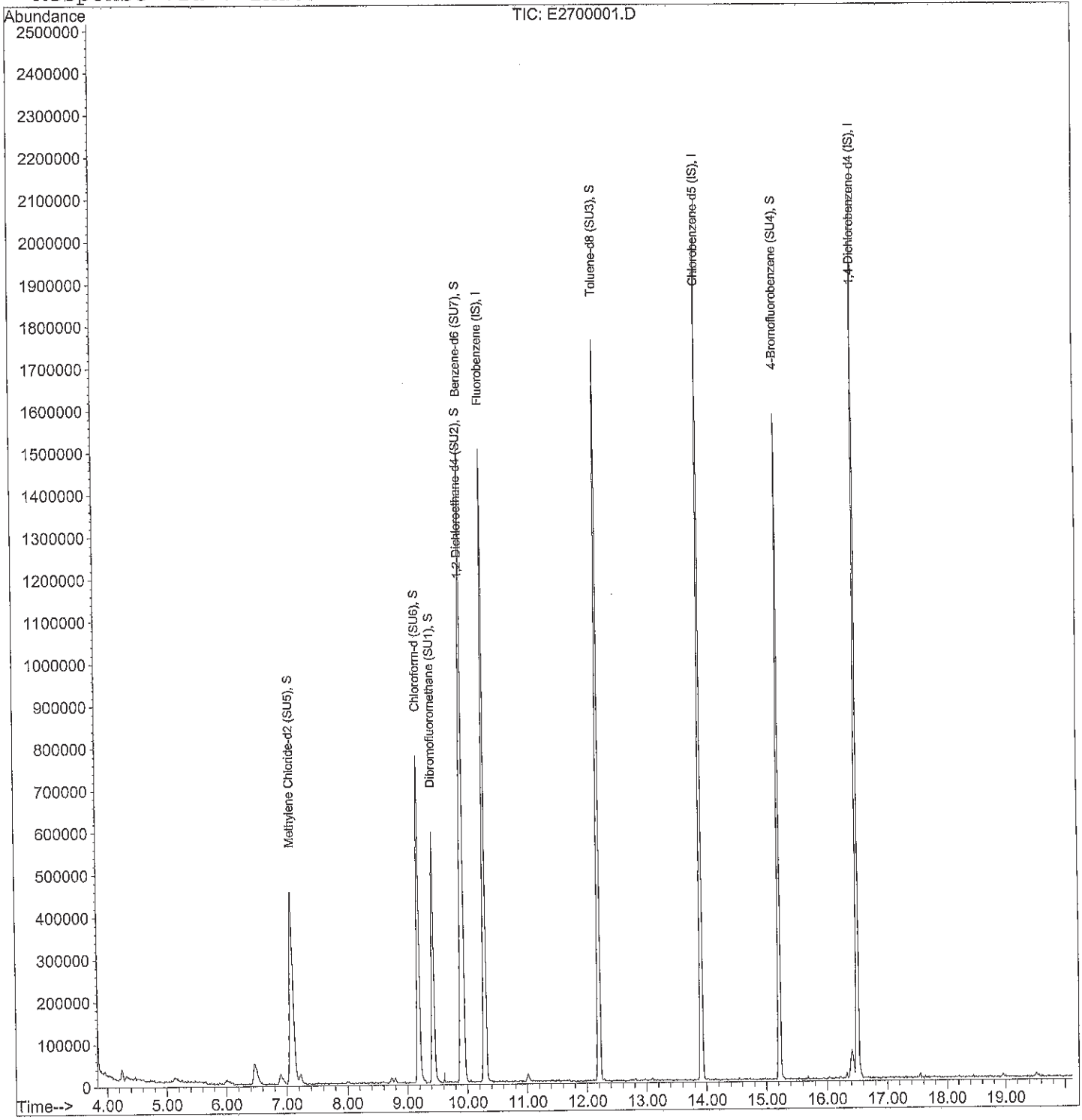
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700001.D Vial: 11
Acq On : 27 May 2014 9:29 am Operator: DN
Sample : 3E42701-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 9:56 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700002.D Vial: 1
Acq On : 27 May 2014 9:58 am Operator: DN
Sample : 3E42701-02 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:36 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1799866	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1320072	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	691378	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	494253	11.01	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 88.08%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	491526	11.52	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.16%			
39) Toluene-d8 (SU3)	12.20	98	1520313	12.35	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.80%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	725194	13.43	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 107.44%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	322	0.07	~~ug/L~~ #	44
4) Chloromethane	4.41	50	8885	1.72	~~ug/L~~ #	59
6) Bromomethane	5.12	96	5749	1.13	~~ug/L~~	98
7) Chloroethane	5.24	64	678	1.14	~~ug/L~~ #	34
11) Acetone	6.46	58	23754	36.85	~~ug/L~~	71
12) (IPA) Leak Check Compound	6.50	45	83822	387.56	~~ug/L~~ #	89
13) Carbon disulfide	6.86	76	83750	5.60	ug/L	99
14) Methylene Chloride	7.08	84	5914	1.20	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	5738	18.69	~~ug/L~~ #	77
20) 2,2-Dichloropropane	8.79	77	283	0.04	~~ug/L~~ #	36
21) (MEK) 2-Butanone	8.80	72	1211	2.39	~~ug/L~~ #	1
24) Chloroform	9.21	83	2280	0.24	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.40	59	279	0.02	~~ug/L~~ #	44
31) Benzene	9.99	78	15447	0.91	~~ug/L~~ #	69
32) 1,2-Dichloroethane	9.93	62	7811	1.30	~~ug/L~~ #	1
34) 1,2-Dichloropropane	11.03	63	254	0.06	~~ug/L~~ #	2
35) Dibromomethane	11.00	93	272	0.09	~~ug/L~~ #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8455	3.21	~~ug/L~~ #	100
41) Toluene	12.28	91	112464	6.25	ug/L	100
46) 2-Hexanone	12.97	43	2548	0.88	~~ug/L~~ #	62
51) Ethylbenzene	14.02	91	26025	1.27	ug/L	94
52) m,p-Xylenes	14.14	106	28793	3.96	ug/L	85

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700002.D Vial: 1
Acq On : 27 May 2014 9:58 am Operator: DN
Sample : 3E42701-02 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:36 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

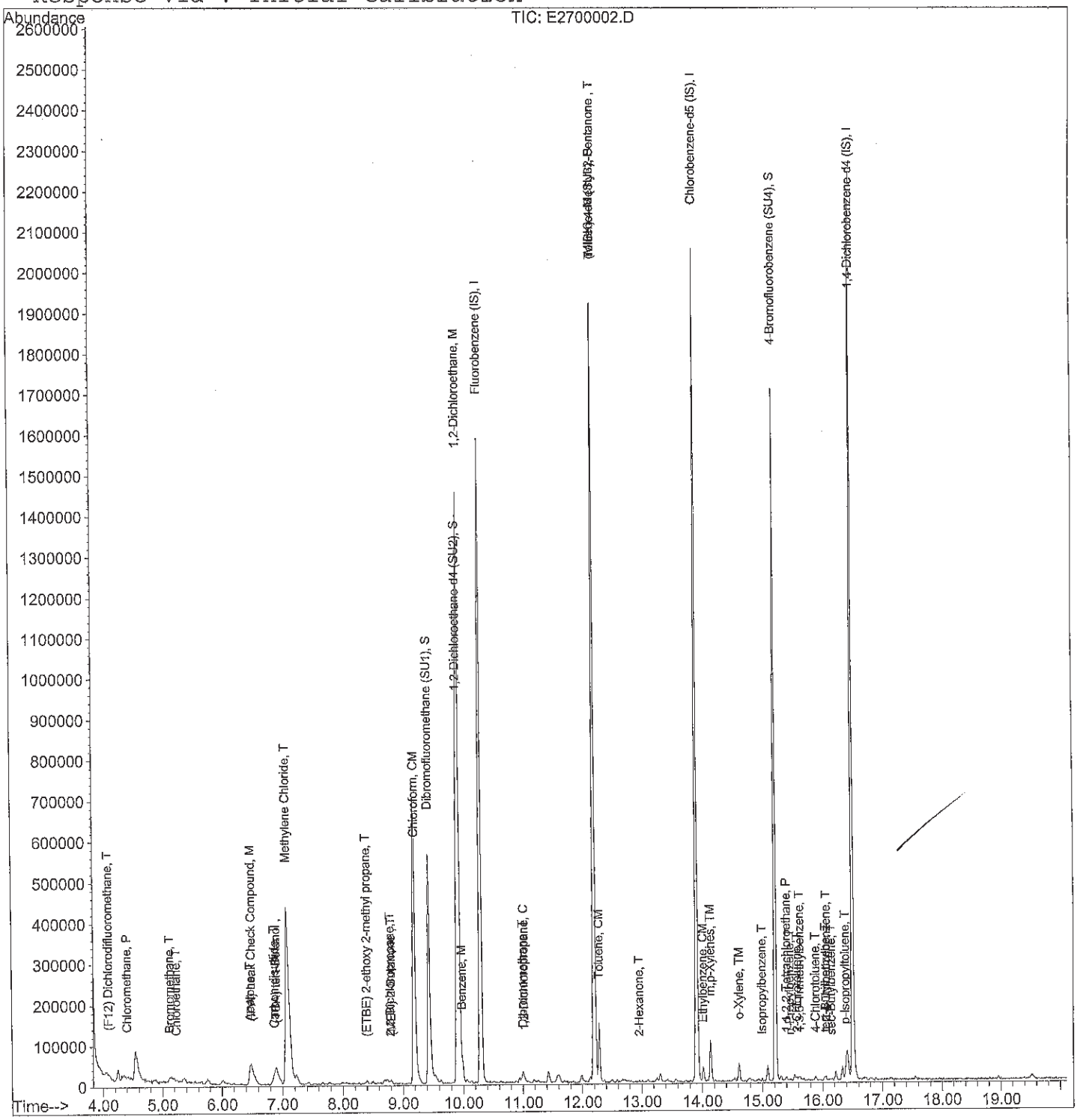
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
53) o-Xylene	14.62	106	12886	1.79 ug/L	85
54) Styrene	14.62	104	2484	-0.63 ug/L #	9
56) Isopropylbenzene	15.00	105	835	0.04 ug/L #	55
60) 1,1,2,2-Tetrachloroethane	15.40	83	1132	0.23 ug/L #	18
62) n-Propylbenzene	15.46	91	2233	0.08 ug/L #	56
63) 2-Chlorotoluene	15.57	91	416	0.02 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.61	105	1666	0.10 ug/L #	66
65) 4-Chlorotoluene	15.88	91	272	0.02 ug/L #	44
66) tert-Butylbenzene	16.04	119	637	0.04 ug/L #	24
67) 1,2,4-Trimethylbenzene	16.06	105	4740	0.26 ug/L #	74
68) sec-Butylbenzene	16.14	105	897	0.04 ug/L #	62
69) p-Isopropyltoluene	16.37	119	1234	0.07 ug/L #	52

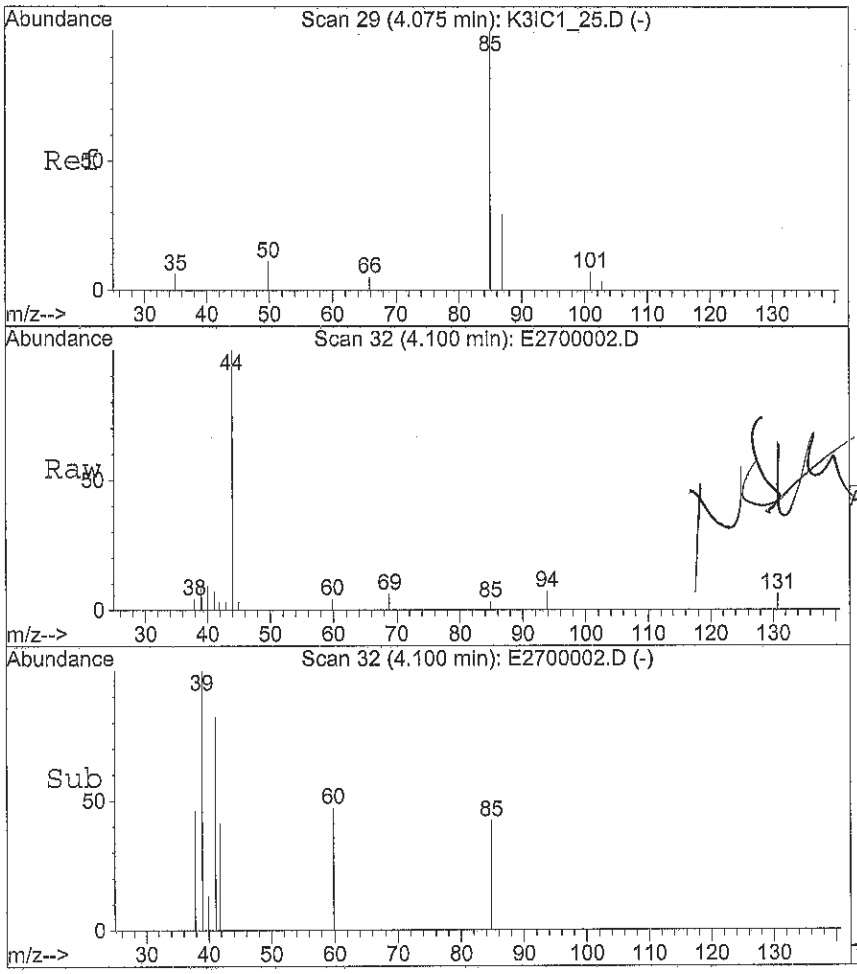
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700002.D Vial: 1
Acq On : 27 May 2014 9:58 am Operator: DN
Sample : 3E42701-02 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:36 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

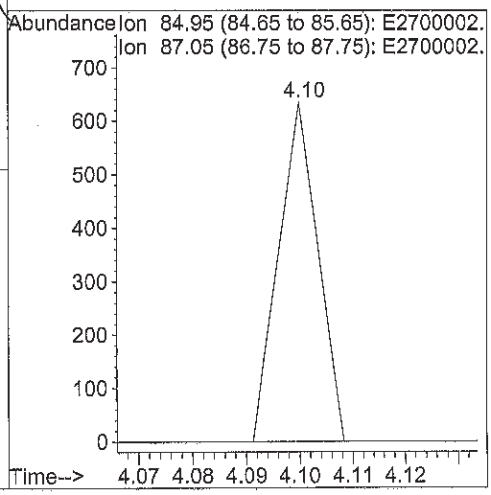


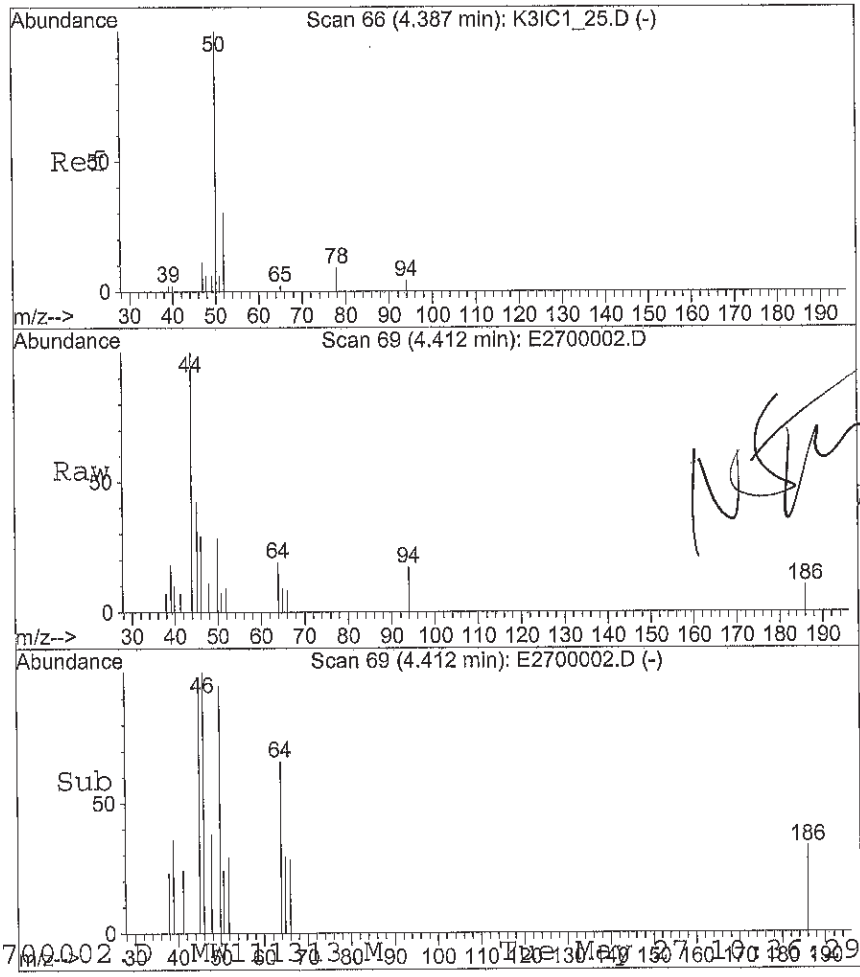


#3
(F12) Dichlorodifluoromethane
Concen: 0.07 ug/L
RT: 4.10 min Scan# 32
Delta R.T. 0.03 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 85 Resp: 322

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

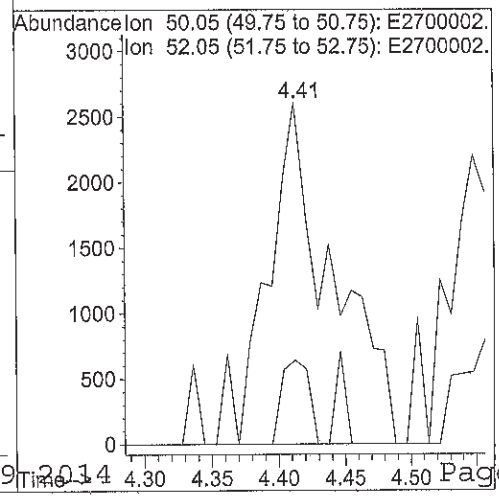


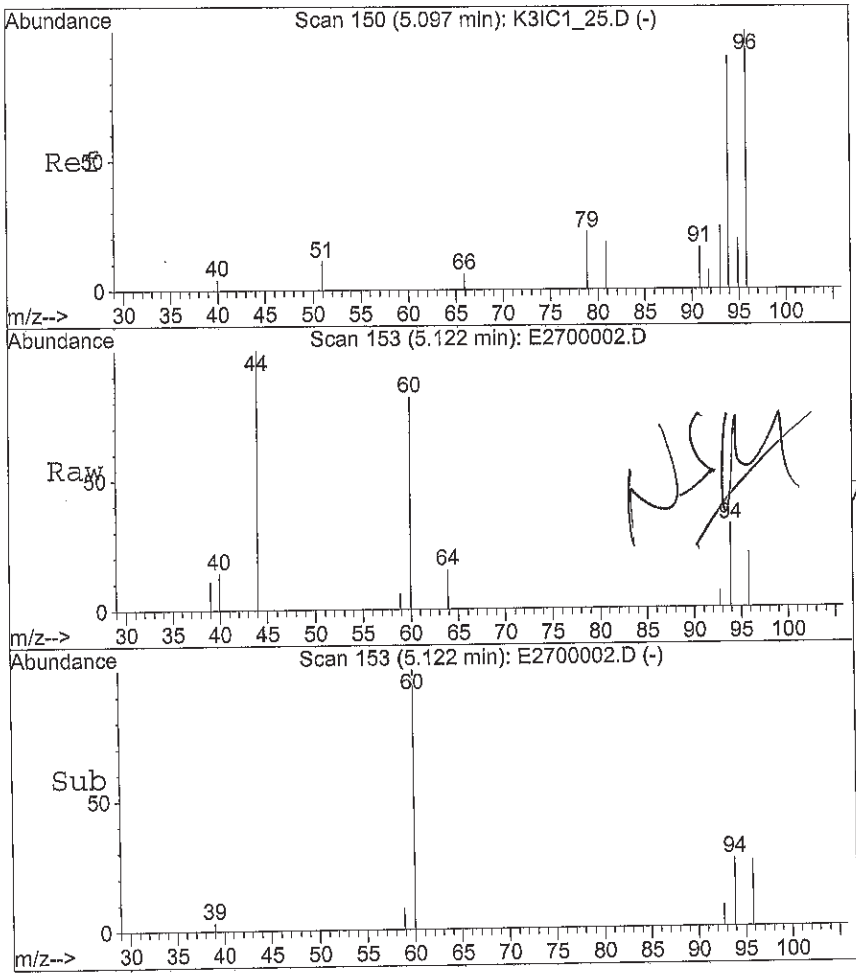


#4
Chloromethane
Concen: 1.72 ug/L
RT: 4.41 min Scan# 69
Delta R.T. 0.03 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 50 Resp: 8885

Ion	Ratio	Lower	Upper
50	100		
52	10.2	26.9	40.3#

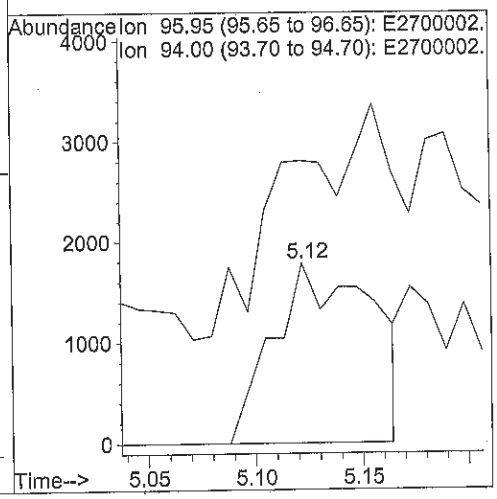


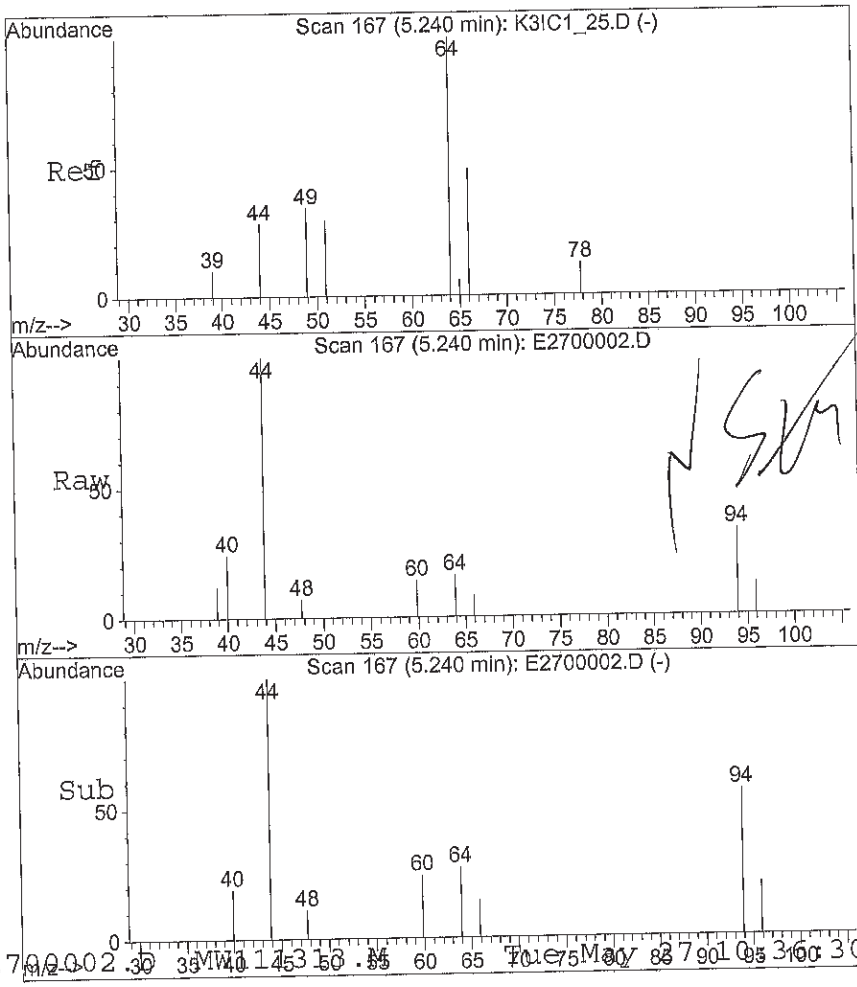


#6
Bromomethane
Concen: 1.13 ug/L
RT: 5.12 min Scan# 153
Delta R.T. 0.03 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 96 Resp: 5749

Ion	Ratio	Lower	Upper
96	100		
94	124.0	101.0	151.4

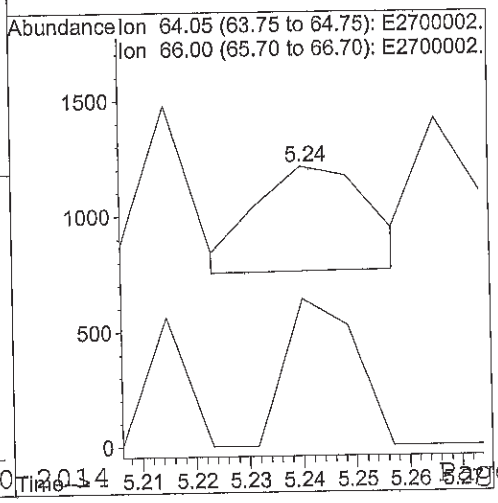


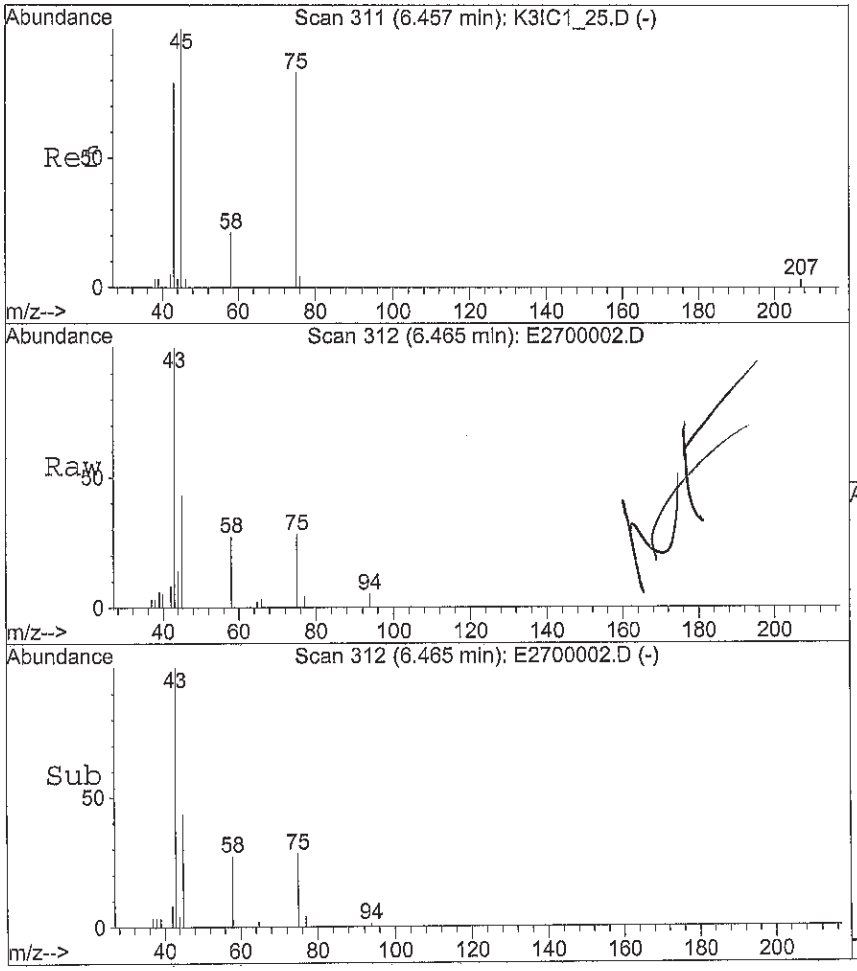


#7
Chloroethane
Concen: 1.14 ug/L
RT: 5.24 min Scan# 167
Delta R.T. 0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 64 Resp: 678

Ion	Ratio	Lower	Upper
64	100		
66	86.9	35.4	53.0#

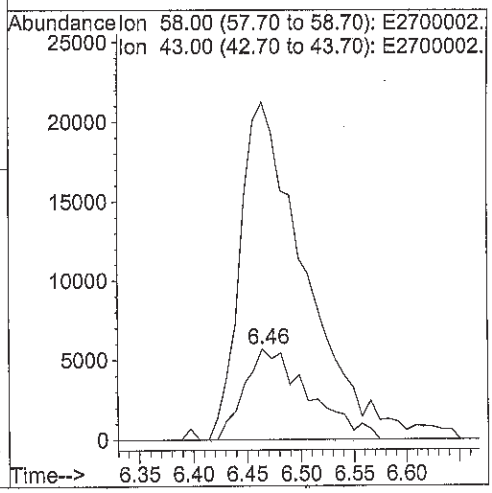


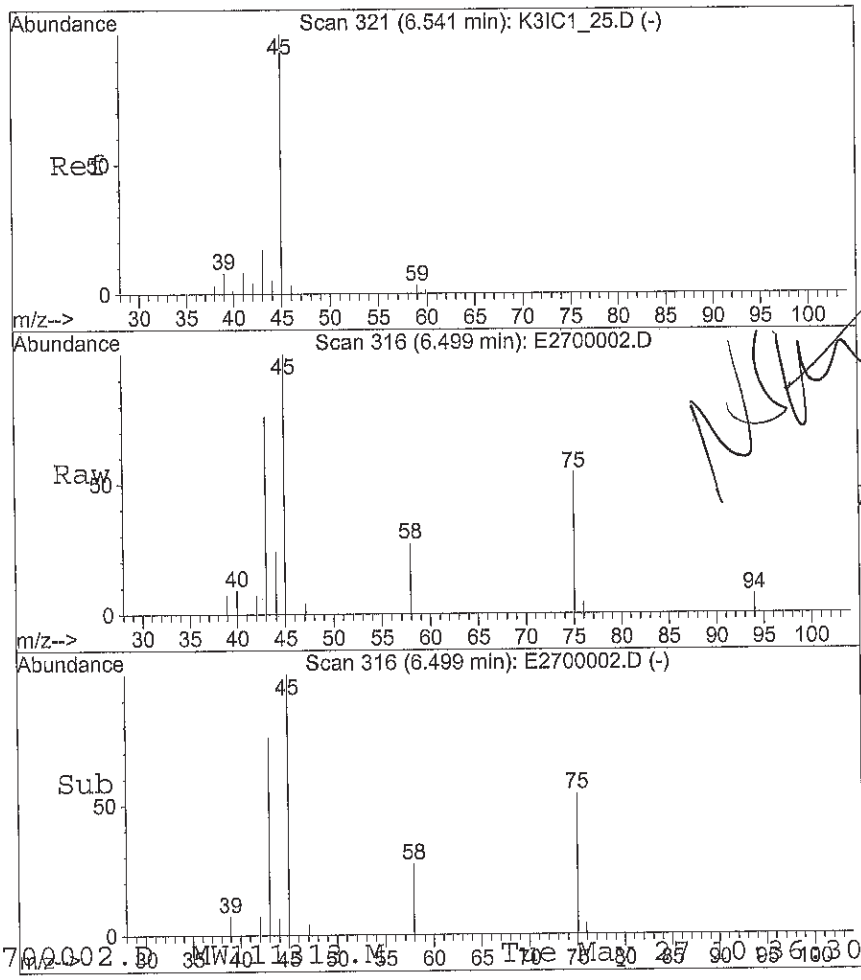


#11
Acetone
Concen: 36.85 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 58 Resp: 23754

Ion	Ratio	Lower	Upper
58	100		
43	376.0	360.9	541.3

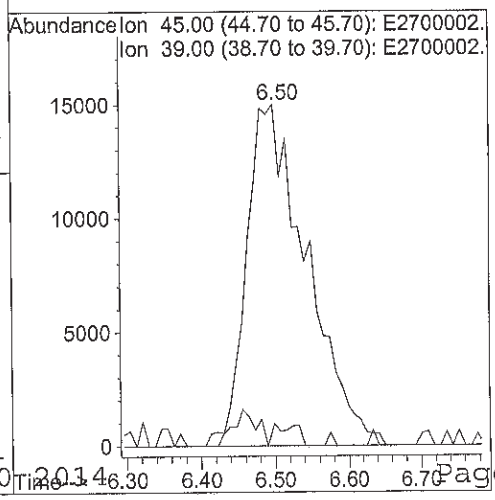


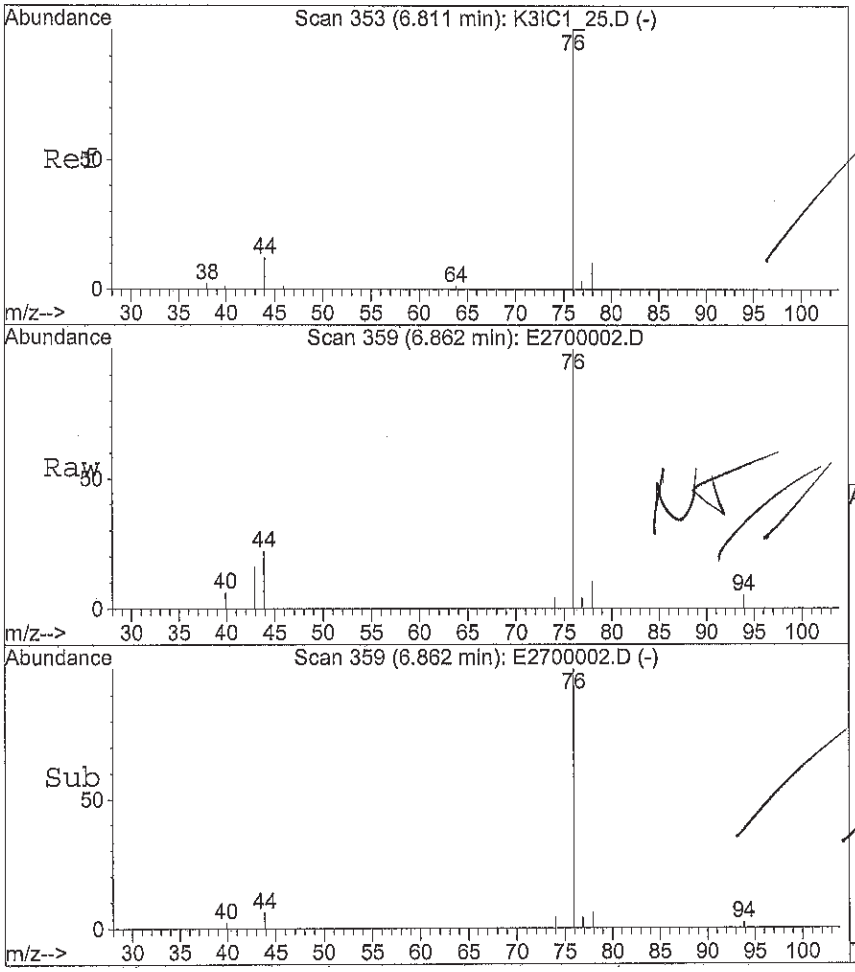


#12
(IPA) Leak Check Compound
Concen: 387.56 ug/L
RT: 6.50 min Scan# 316
Delta R.T. -0.04 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 45 Resp: 83822

Ion	Ratio	Lower	Upper
45	100		
39	2.5	4.9	7.3#

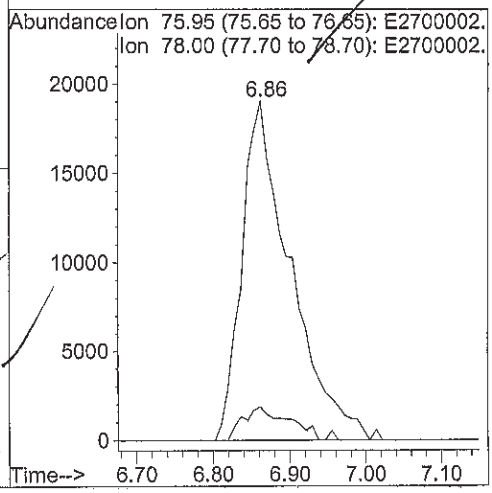


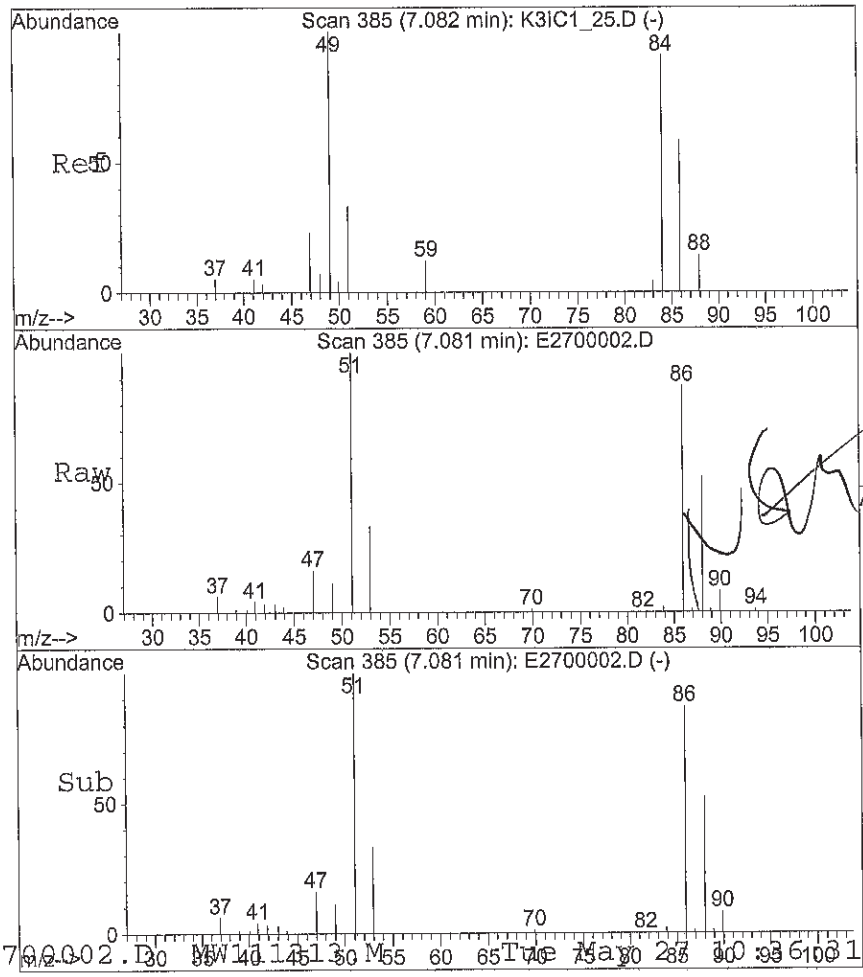


#13
Carbon disulfide
Concen: 5.60 ug/L
RT: 6.86 min Scan# 359
Delta R.T. 0.05 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 76 Resp: 83750

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

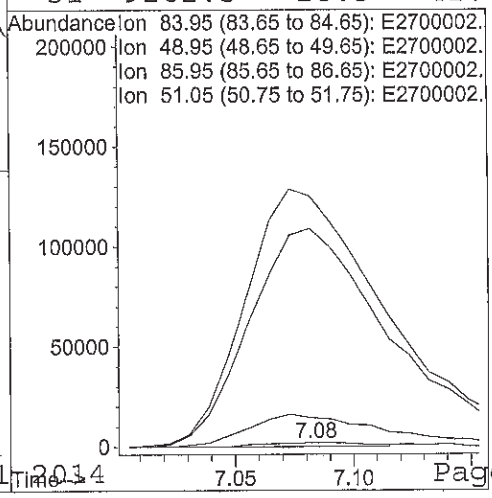


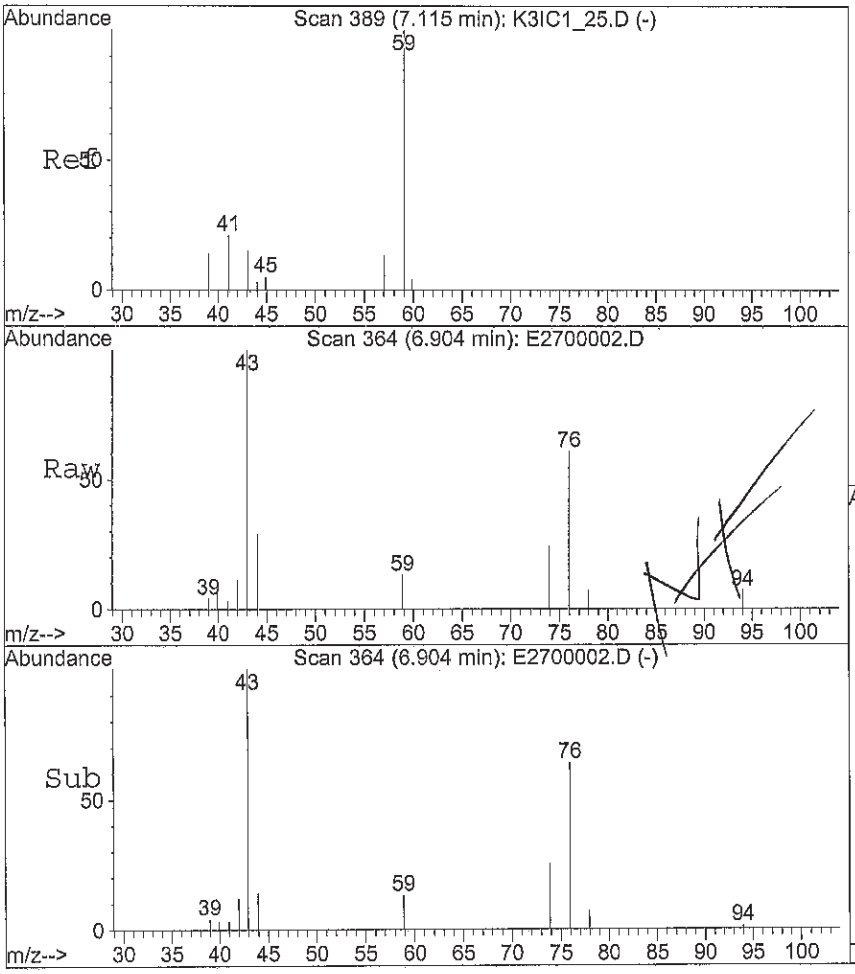


#14
Methylene Chloride
Concen: 1.20 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 84 Resp: 5914

Ion	Ratio	Lower	Upper
84	100		
49	1120.8	89.8	134.6#
86	7829.5	51.1	76.7#
51	9262.5	28.5	42.7#

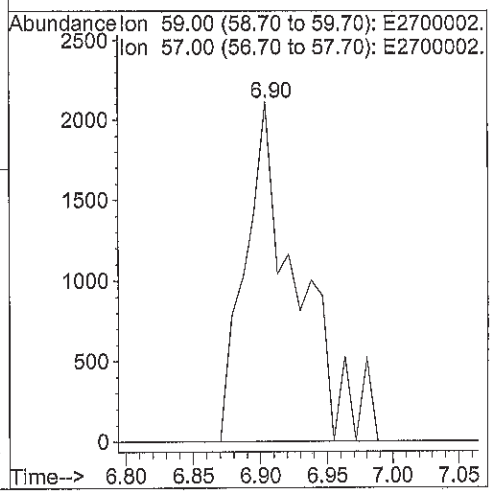


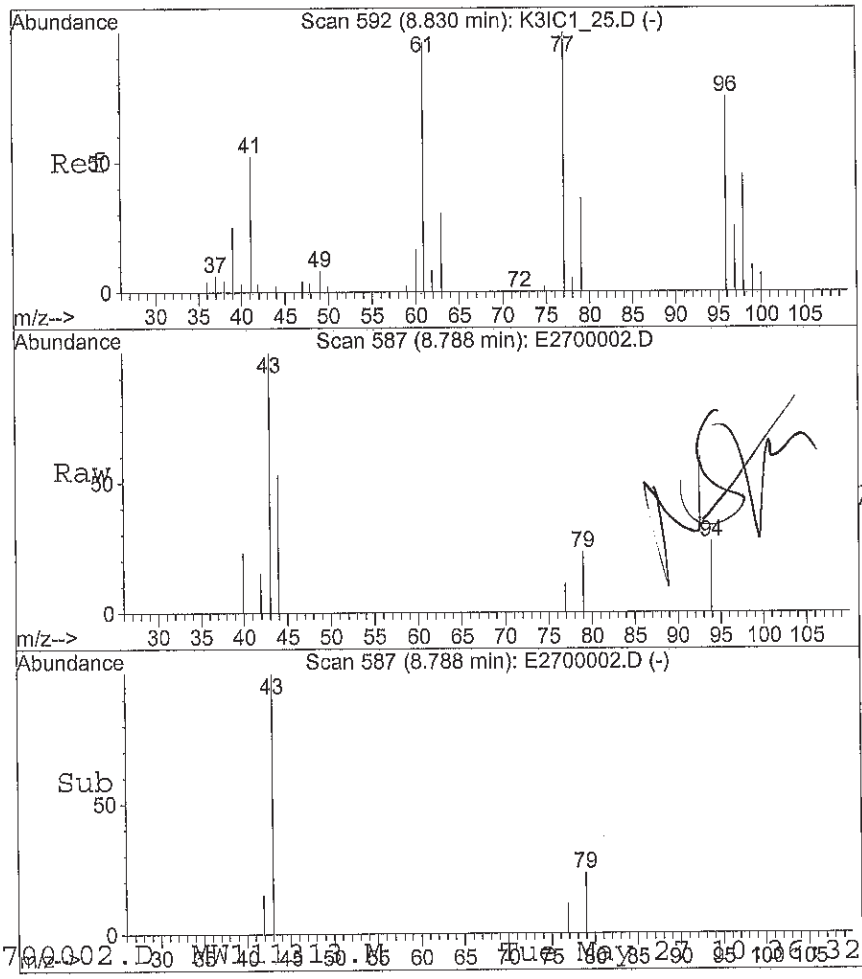


#15
(TBA) tert-Butanol
Concen: 18.69 ug/L
RT: 6.90 min Scan# 364
Delta R.T. -0.21 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 59 Resp: 5738

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

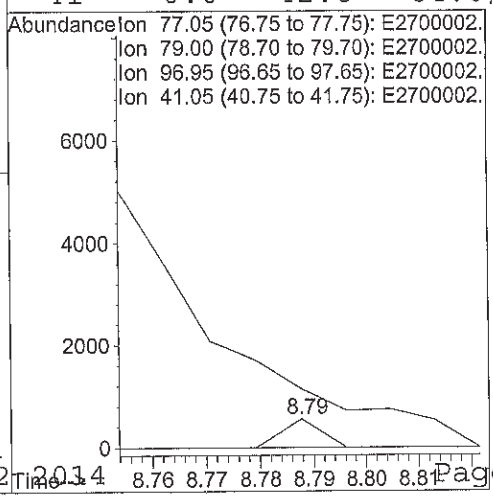


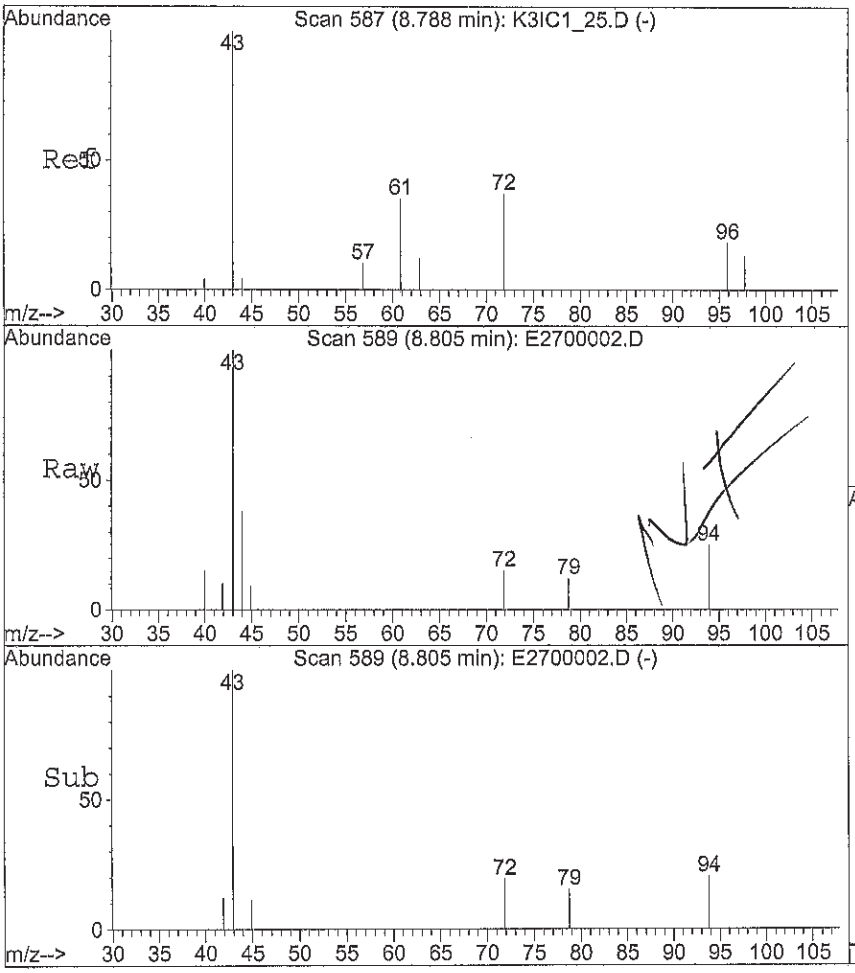


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.79 min Scan# 587
Delta R.T. -0.04 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 77 Resp: 283

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

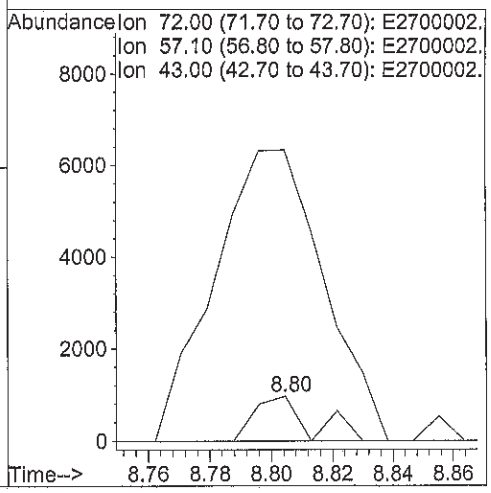


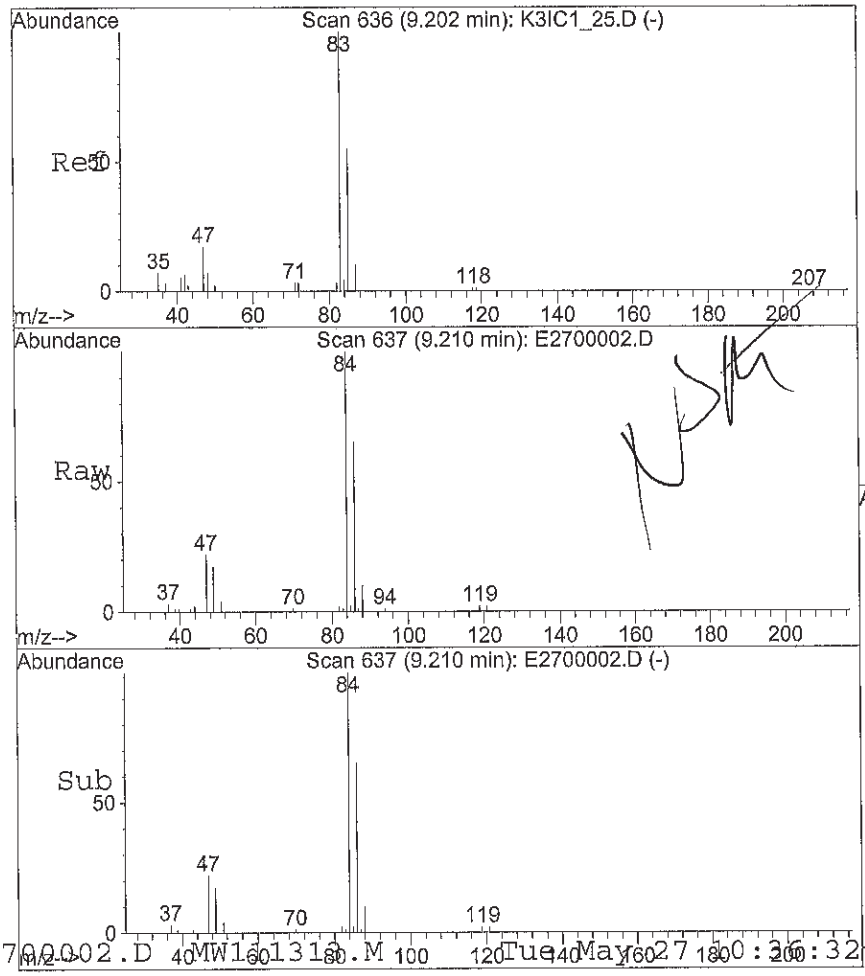


#21
(MEK) 2-Butanone
Concen: 2.39 ug/L
RT: 8.80 min Scan# 589
Delta R.T. 0.02 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 72 Resp: 1211

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	1293.8	314.2	471.2#

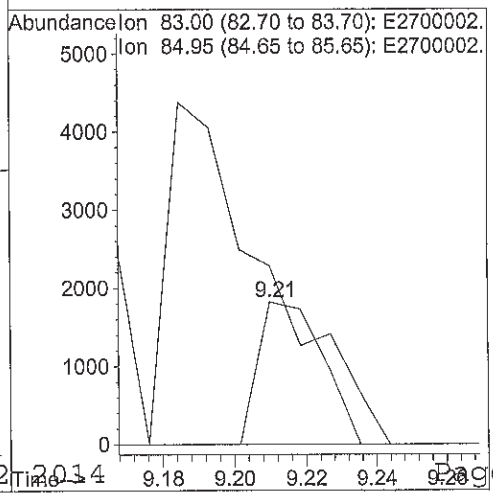


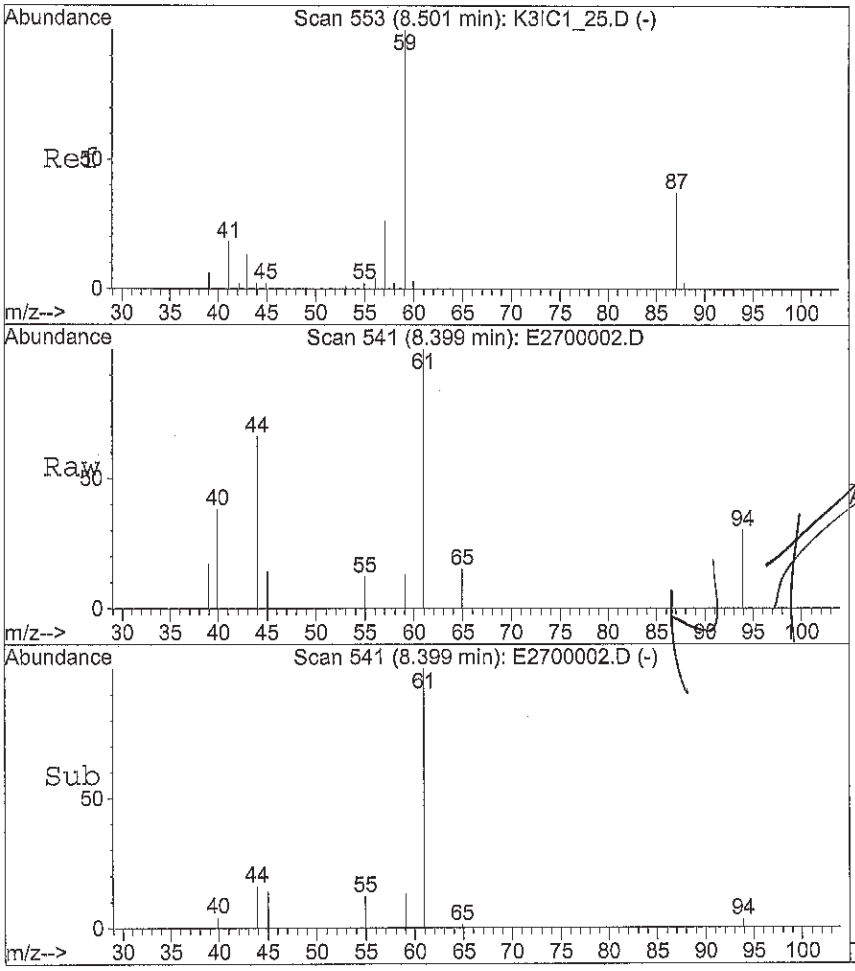


#24
Chloroform
Concen: 0.24 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.01 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 83 Resp: 2280

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

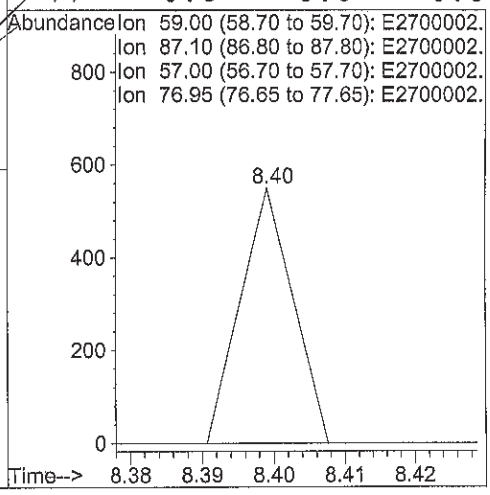


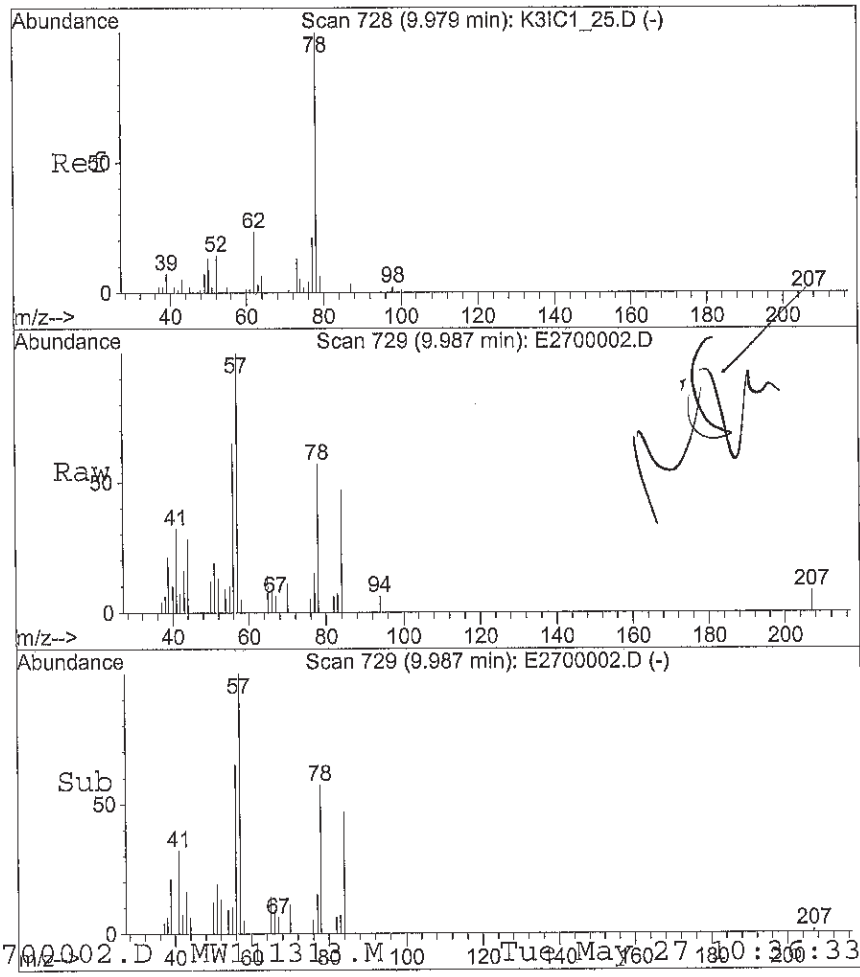


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.02 ug/L
RT: 8.40 min Scan# 541
Delta R.T. -0.10 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 59 Resp: 279

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

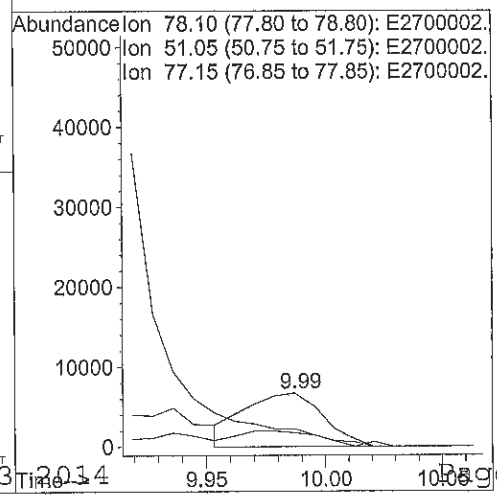


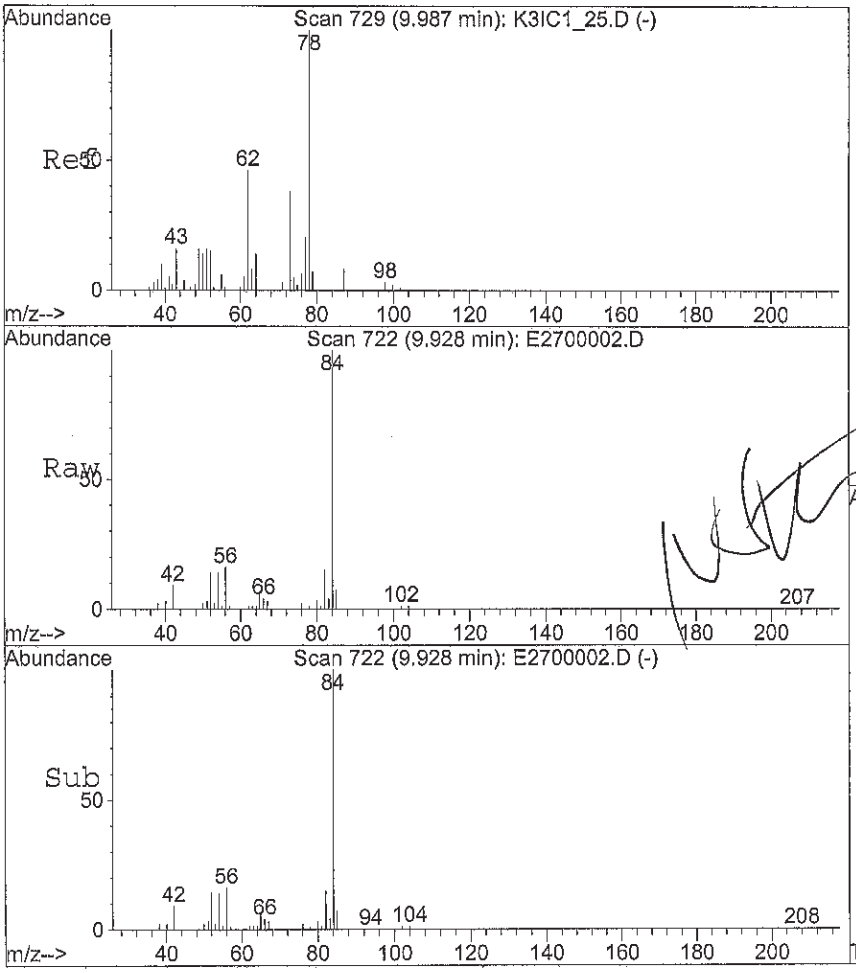


#31
Benzene
Concen: 0.91 ug/L
RT: 9.99 min Scan# 729
Delta R.T. 0.01 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 78 Resp: 15447

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	31.6	16.6	24.8#

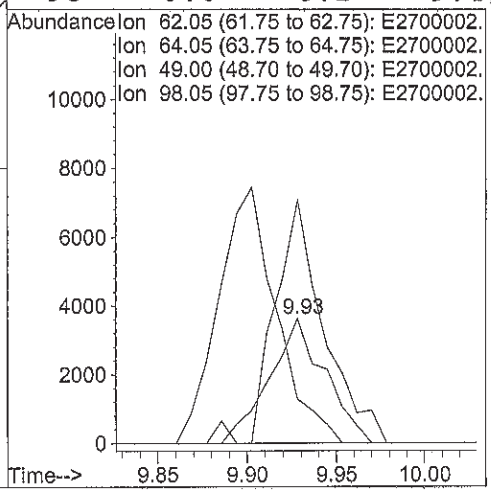


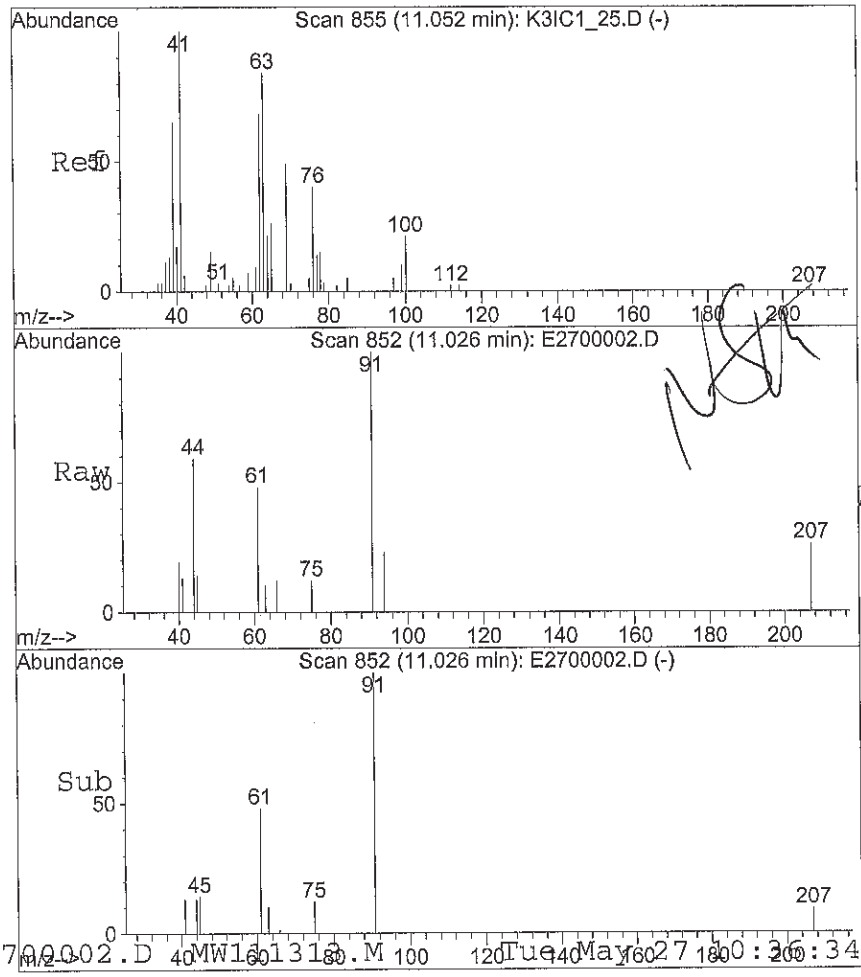


#32
1,2-Dichloroethane
Concen: 1.30 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 62 Resp: 7811

Ion	Ratio	Lower	Upper
62	100		
64	174.7	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

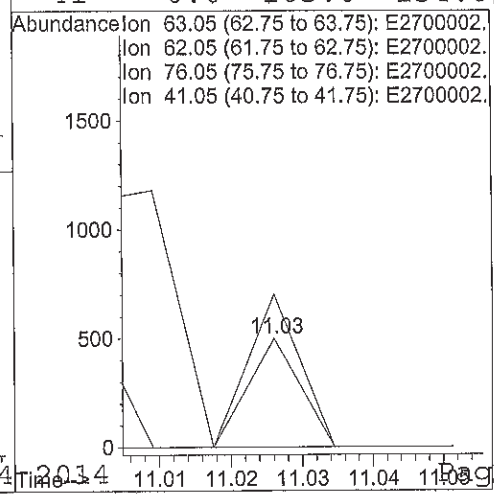


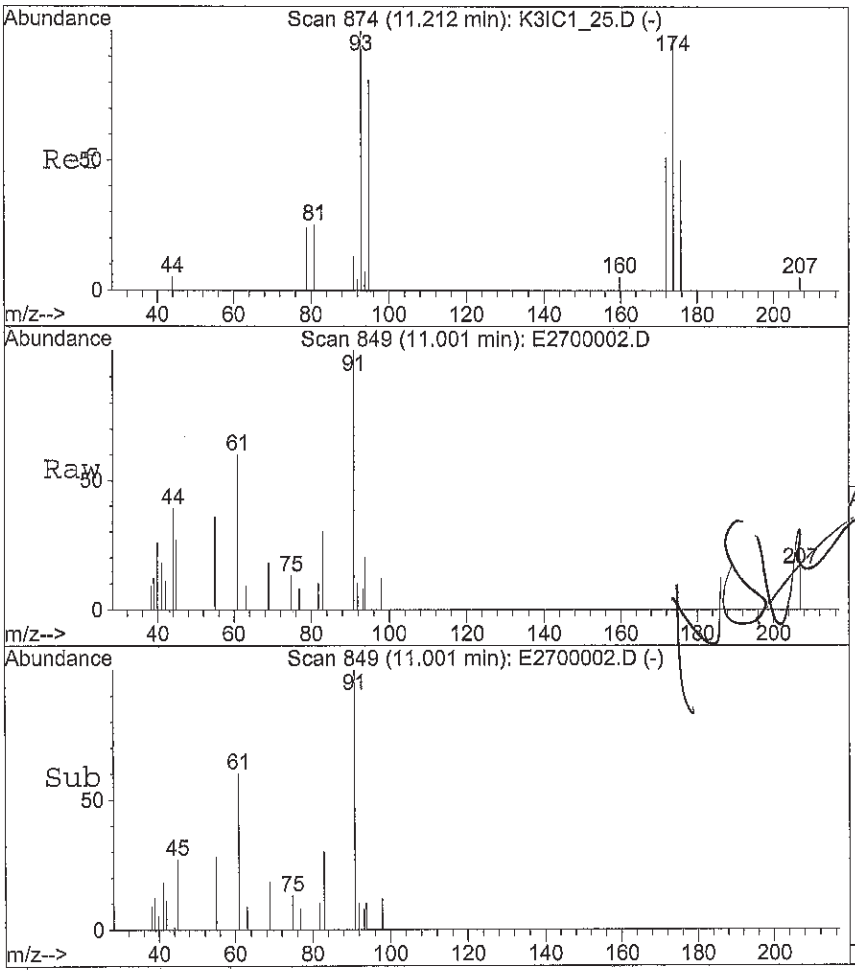


#34
1,2-Dichloropropane
Concen: 0.06 ug/L
RT: 11.03 min Scan# 852
Delta R.T. -0.03 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 63 Resp: 254

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	0.0	103.0	154.6#

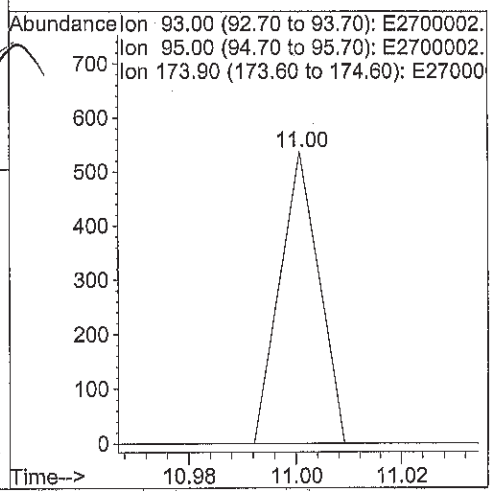


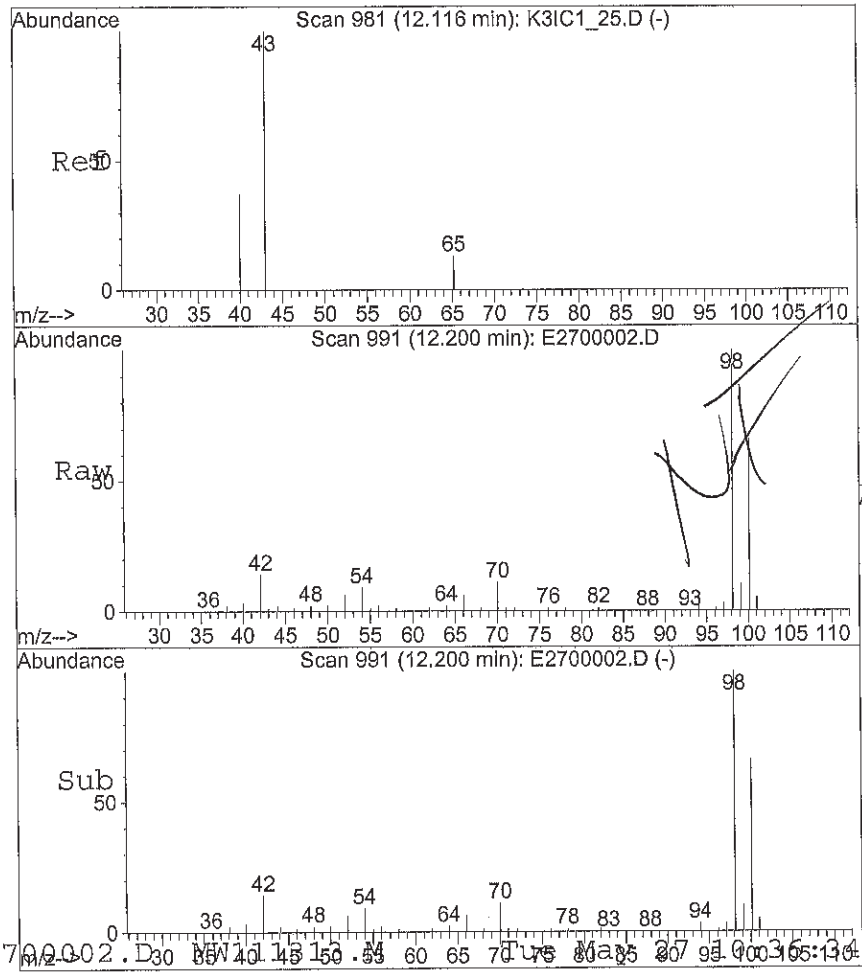


#35
Dibromomethane
Concen: 0.09 ug/L
RT: 11.00 min Scan# 849
Delta R.T. -0.21 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 93 Resp: 272

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

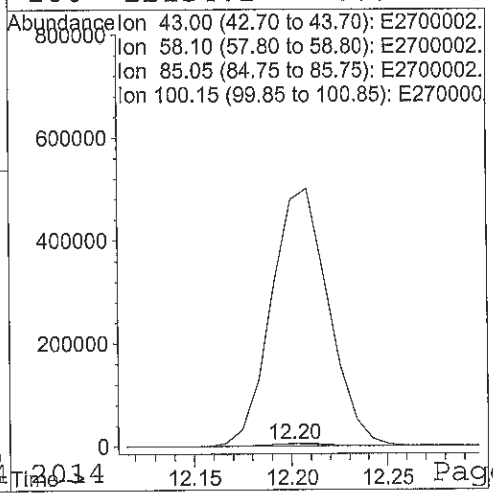


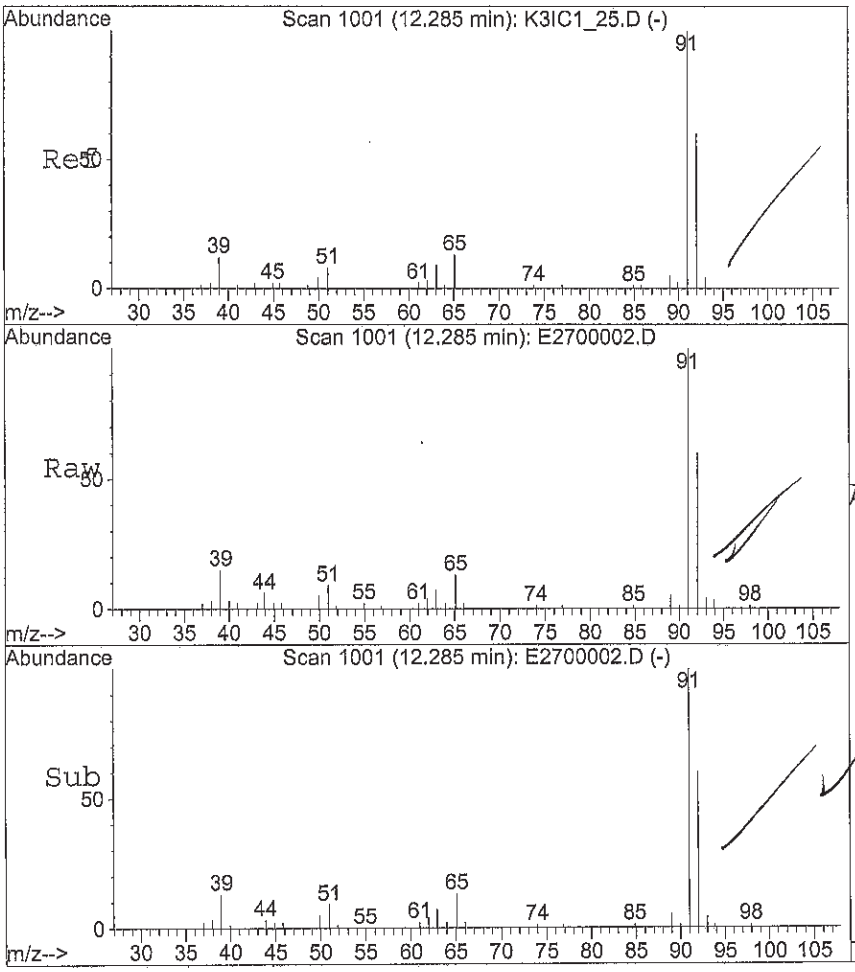


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.21 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 43 Resp: 8455

Ion	Ratio	Lower	Upper
43	100		
58	124.4	0.0	0.0#
85	0.0	0.0	0.0
100	12154.2	0.0	0.0#

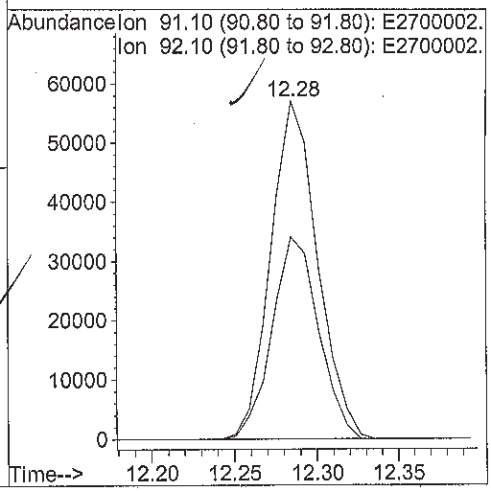


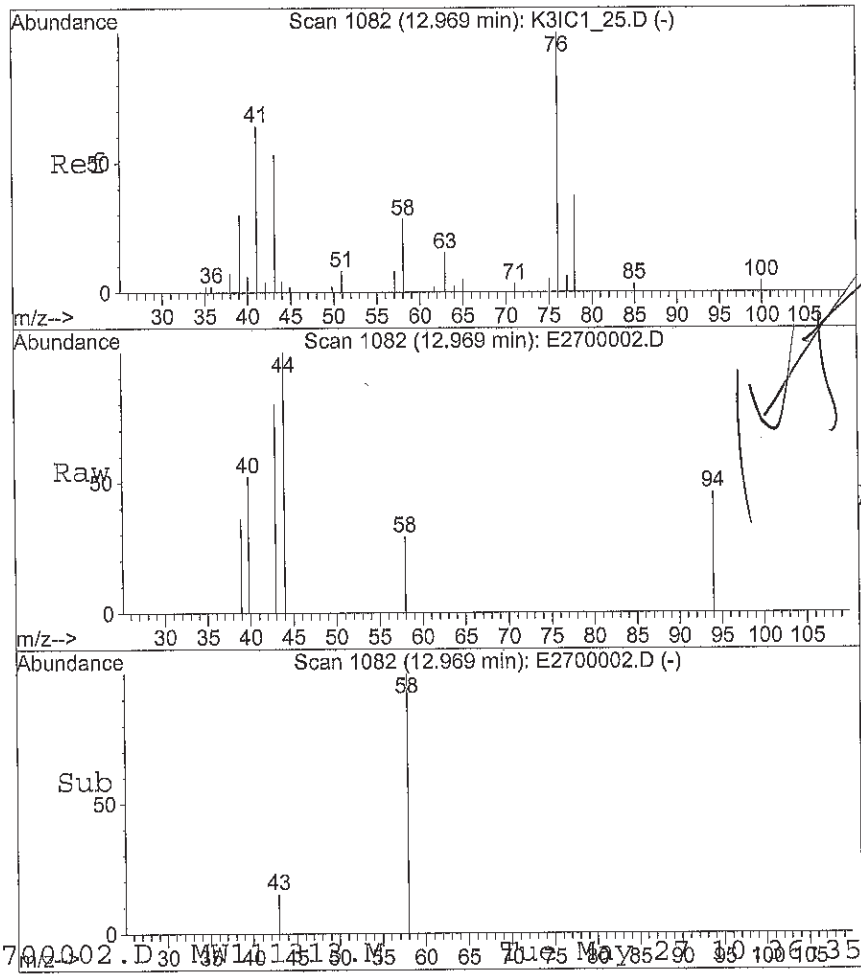


#41
Toluene
Concen: 6.25 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 91 Resp: 112464

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0

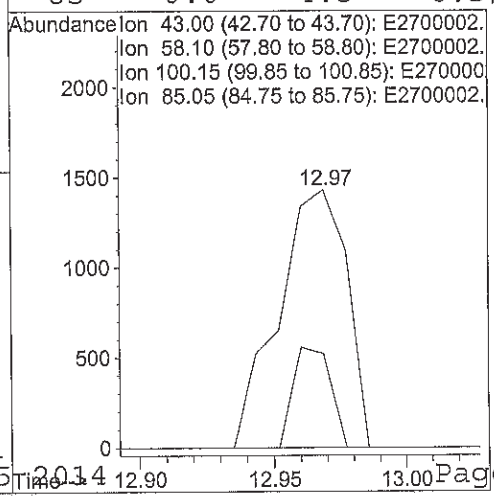


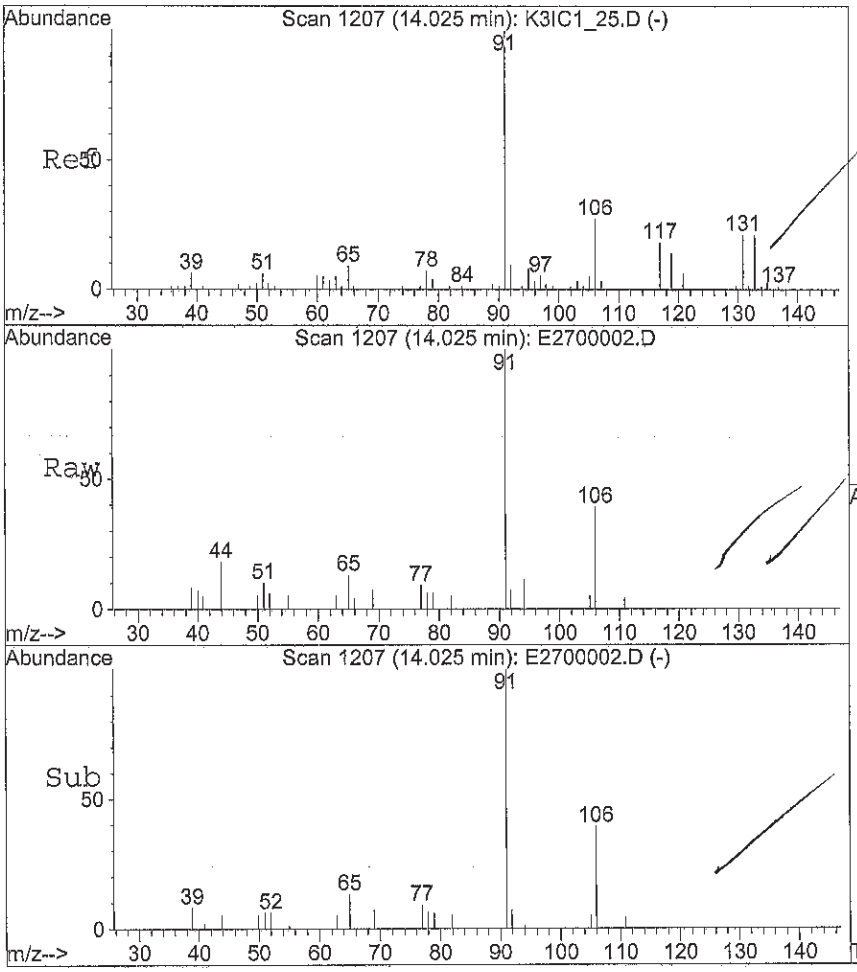


#46
2-Hexanone
Concen: 0.88 ug/L
RT: 12.97 min Scan# 1082
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 43 Resp: 2548

Ion	Ratio	Lower	Upper
43	100		
58	21.4	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

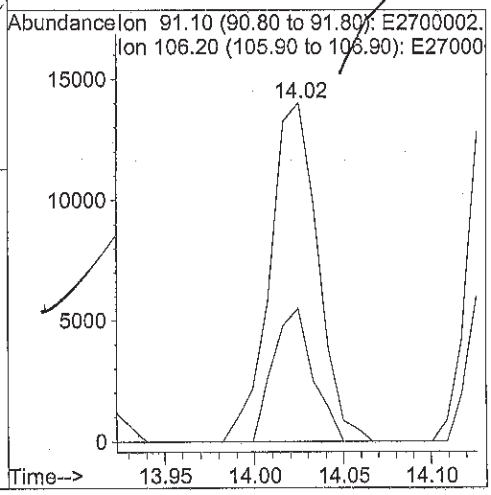


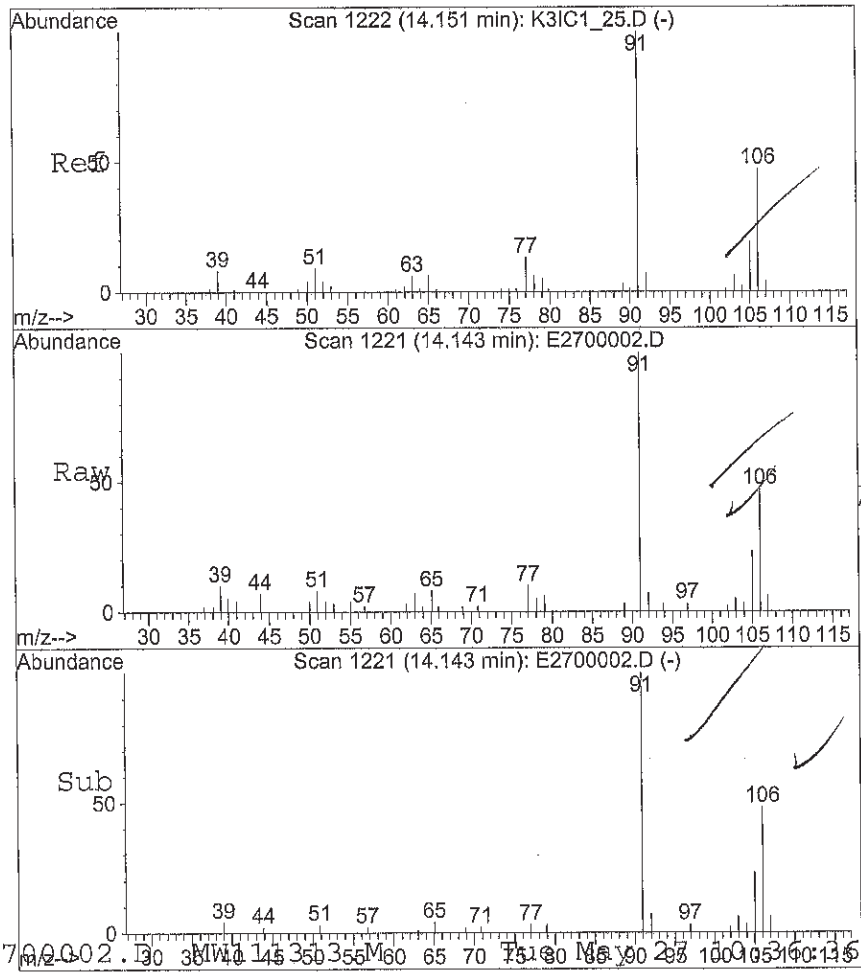


#51
Ethylbenzene
Concen: 1.27 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 91 Resp: 26025

Ion	Ratio	Lower	Upper
91	100		
106	32.6	23.5	35.3

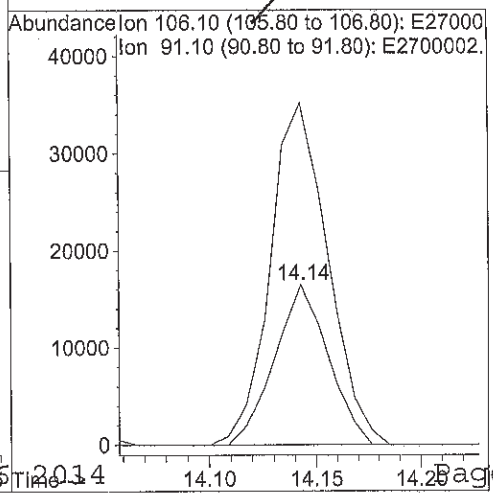


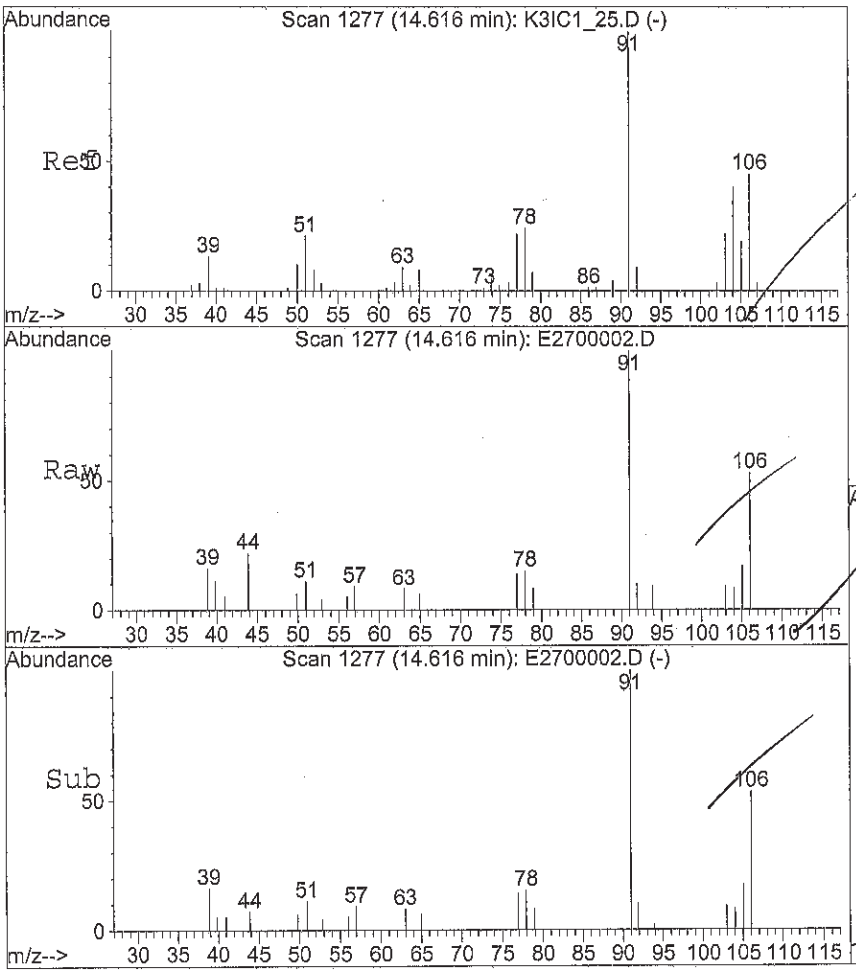


#52
m,p-Xylenes
Concen: 3.96 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:106 Resp: 28793

Ion	Ratio	Lower	Upper
106	100		
91	229.2	177.1	265.7

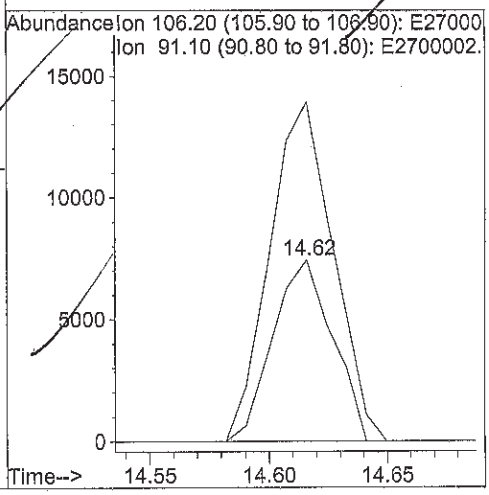


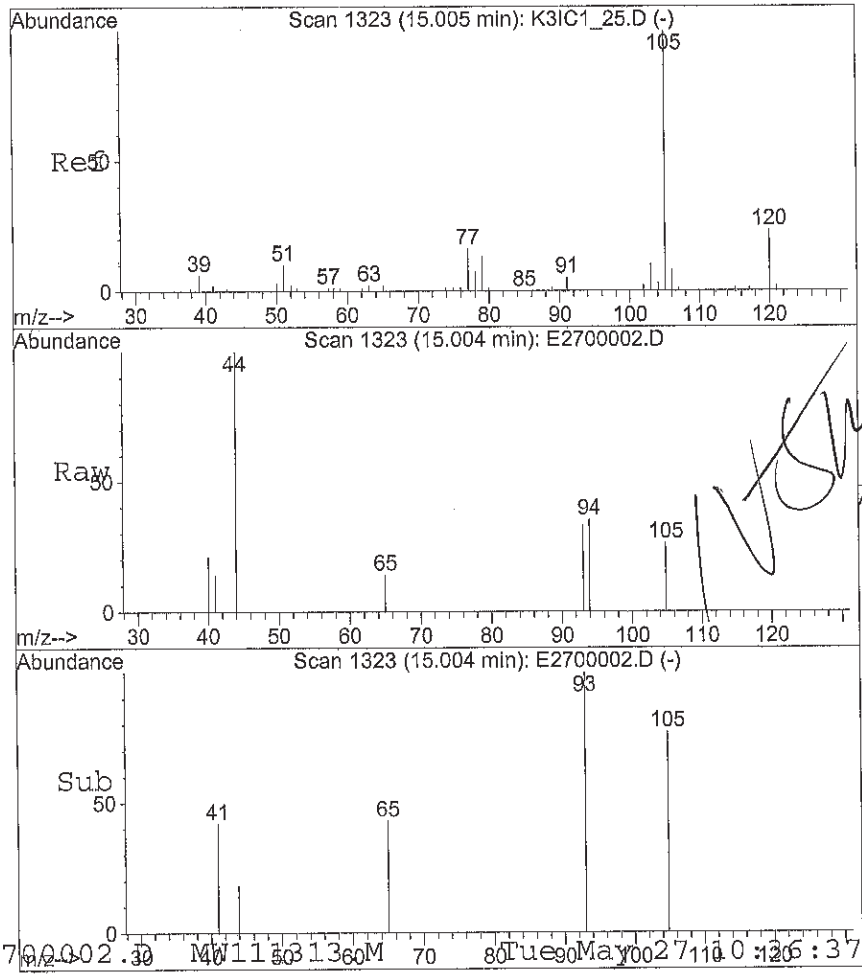


#53
o-Xylene
Concen: 1.79 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:106 Resp: 12886

Ion	Ratio	Lower	Upper
106	100		
91	199.8	179.0	268.6

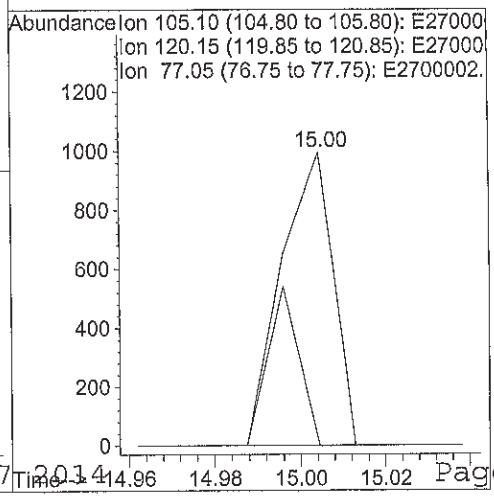


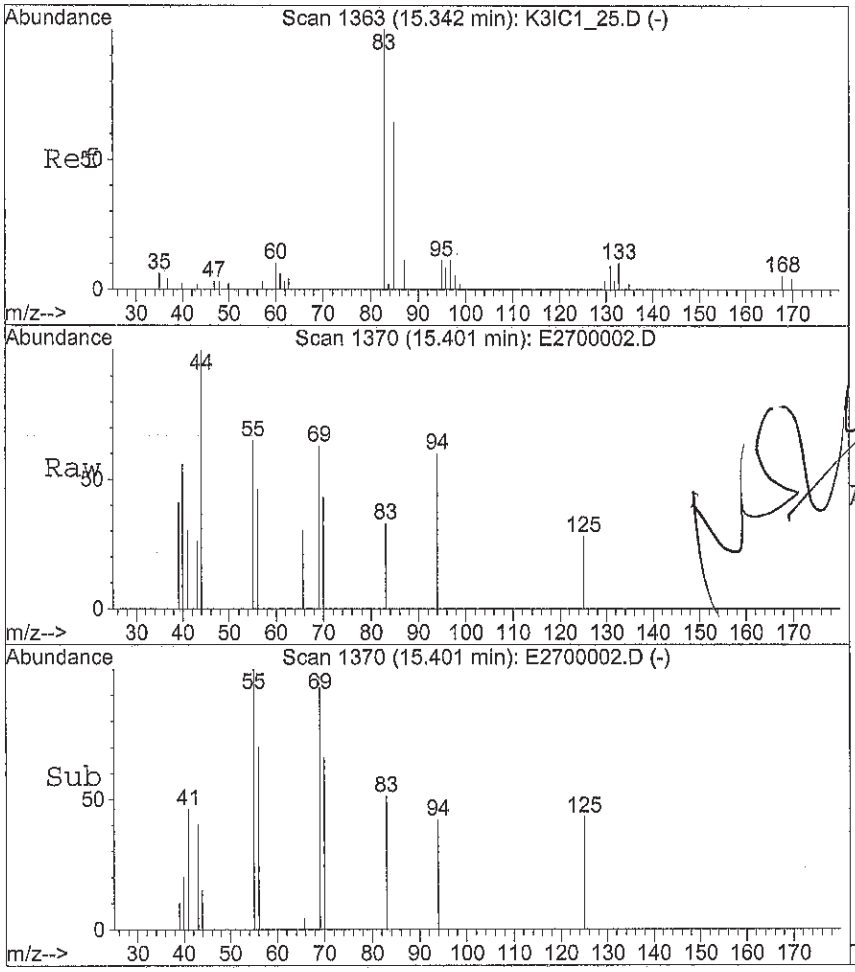


#56
Isopropylbenzene
Concen: 0.04 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:105 Resp: 835

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	32.8	13.1	19.7#

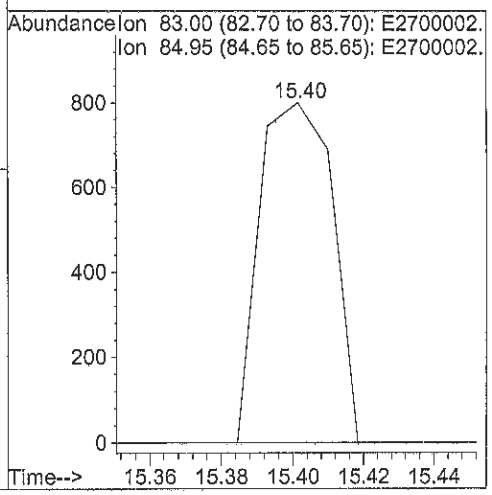


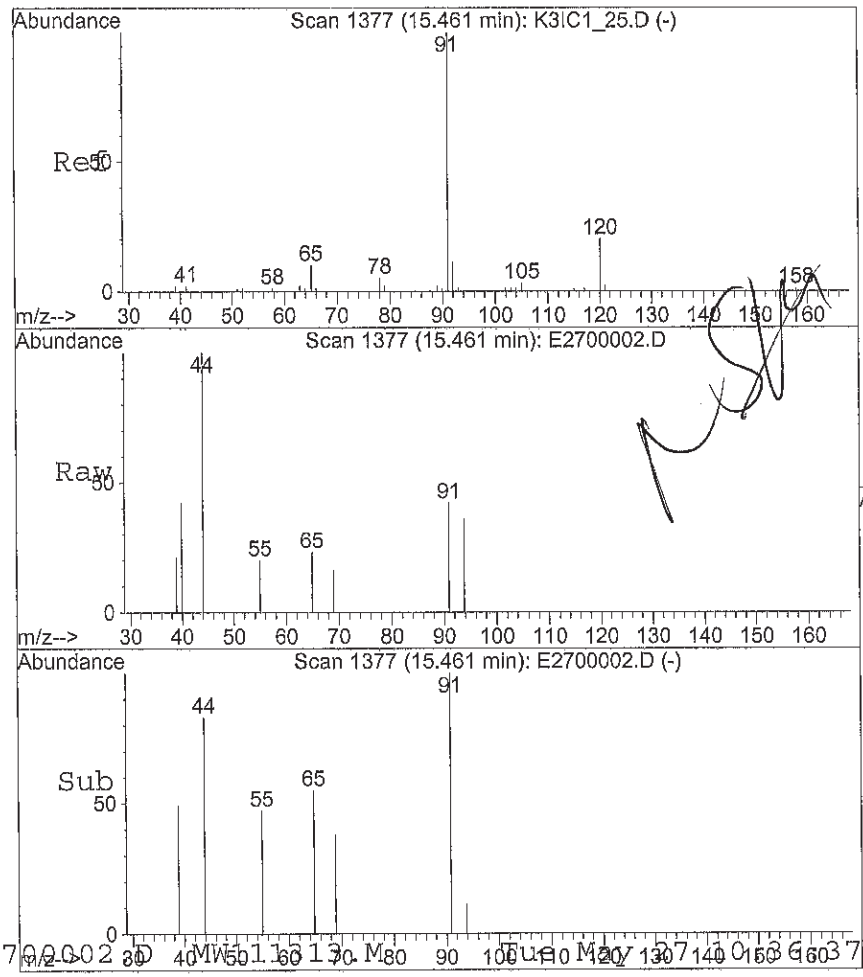


#60
1,1,2,2-Tetrachloroethane
Concen: 0.23 ug/L
RT: 15.40 min Scan# 1370
Delta R.T. 0.06 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 83 Resp: 1132

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

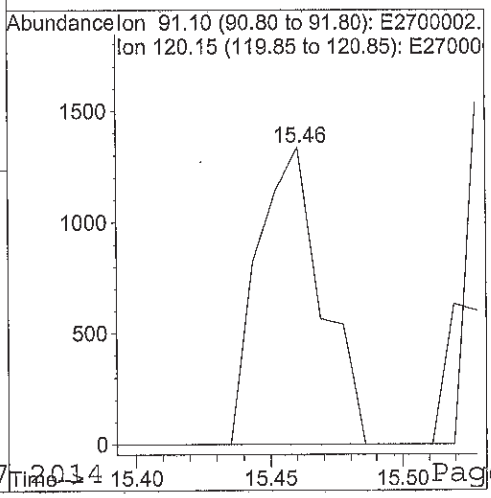


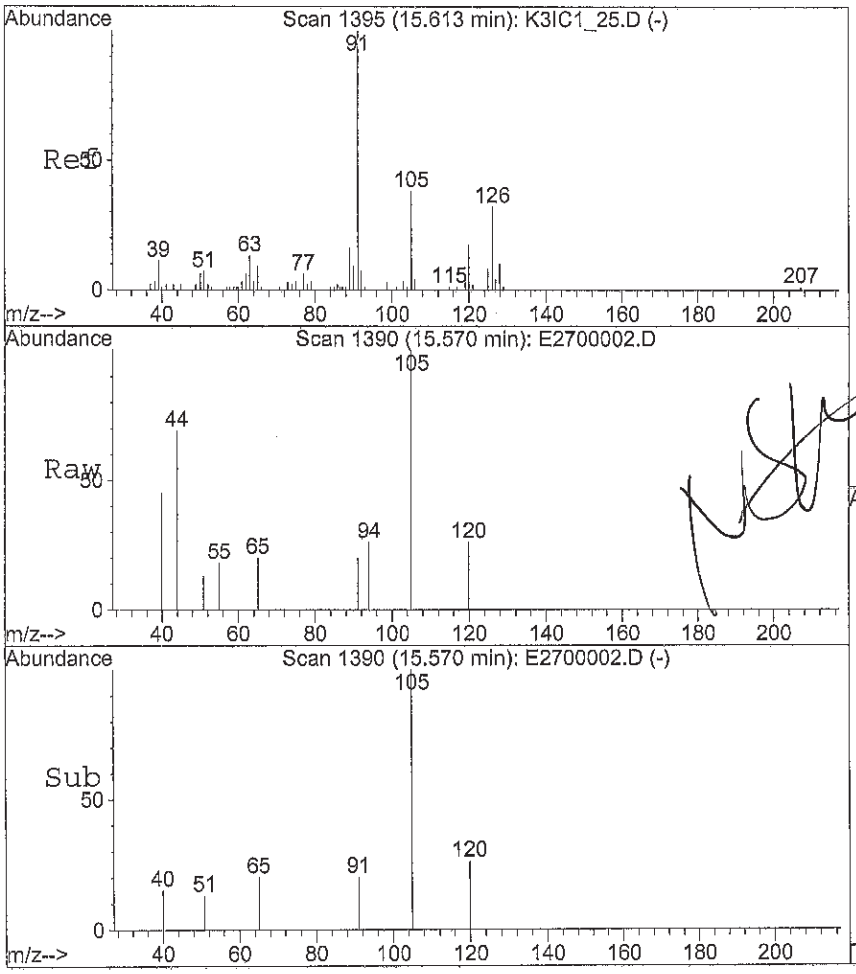


#62
n-Propylbenzene
Concen: 0.08 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 91 Resp: 2233

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

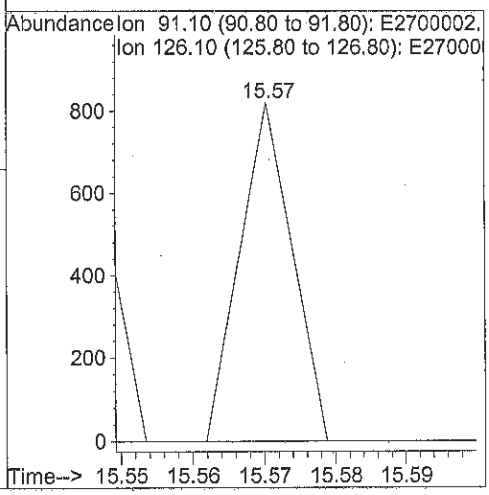


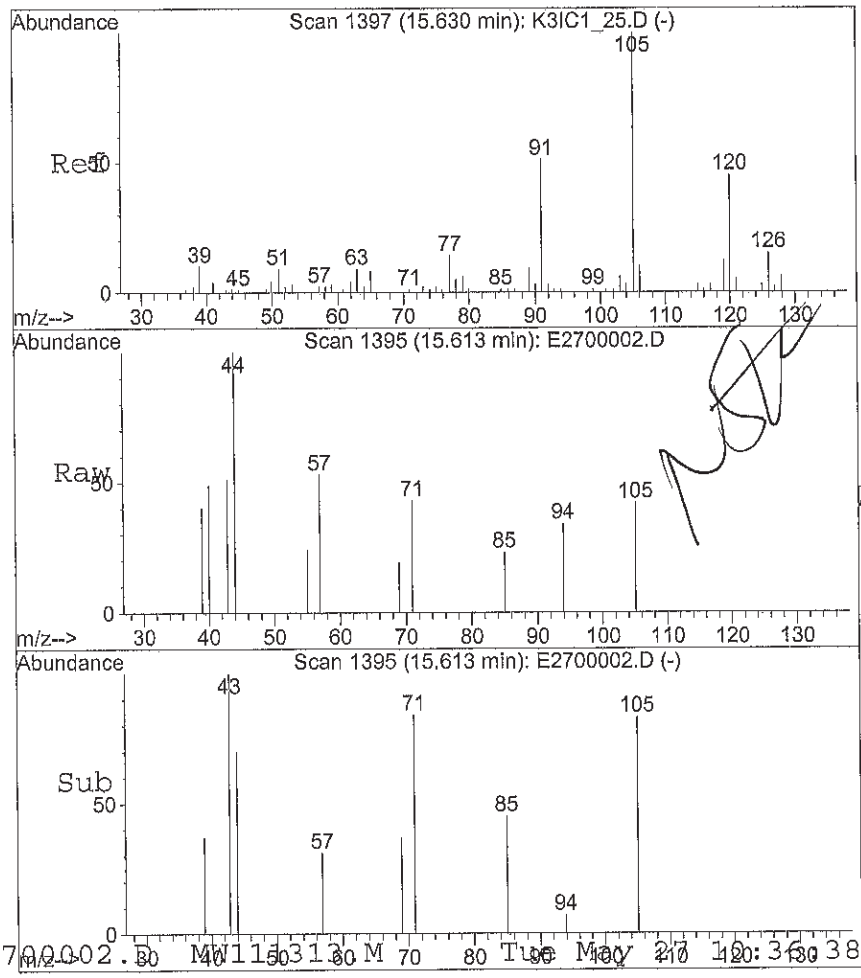


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.57 min Scan# 1390
Delta R.T. -0.04 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 91 Resp: 416

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

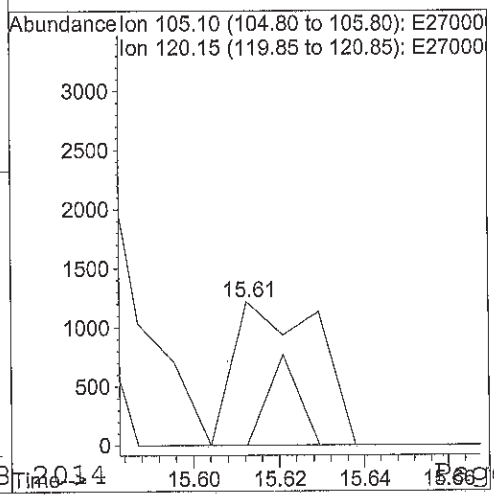


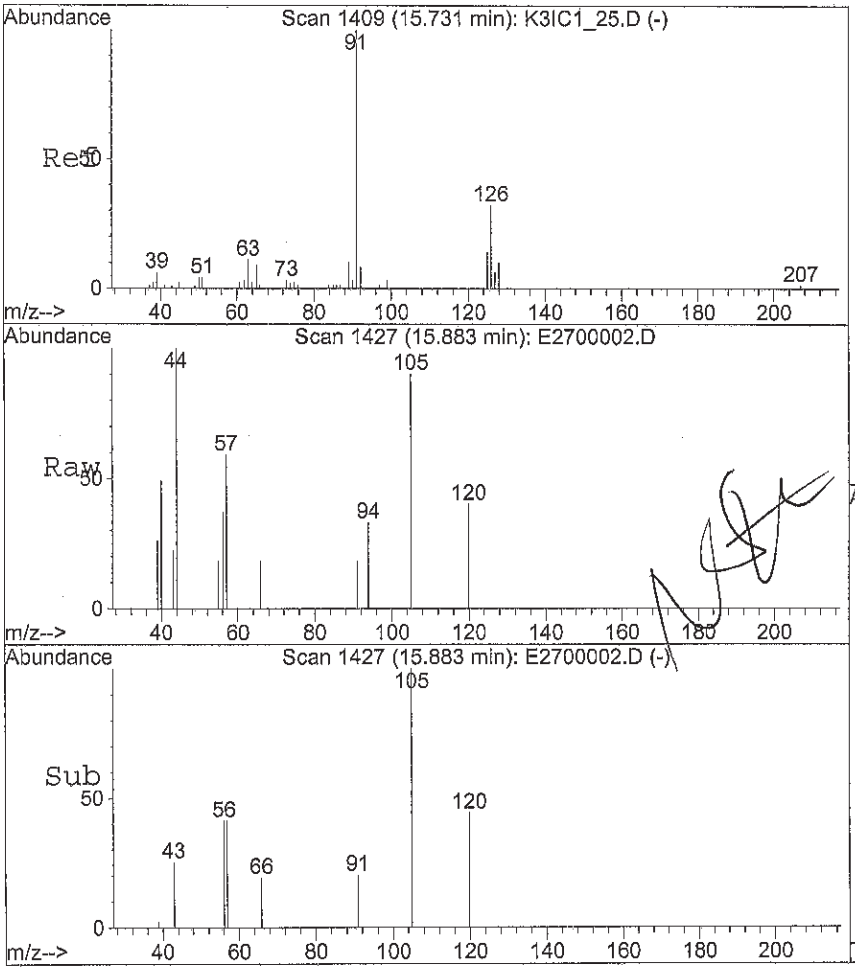


#64
1,3,5-Trimethylbenzene
Concen: 0.10 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.02 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:105 Resp: 1666

Ion	Ratio	Lower	Upper
105	100		
120	23.4	36.4	54.6#

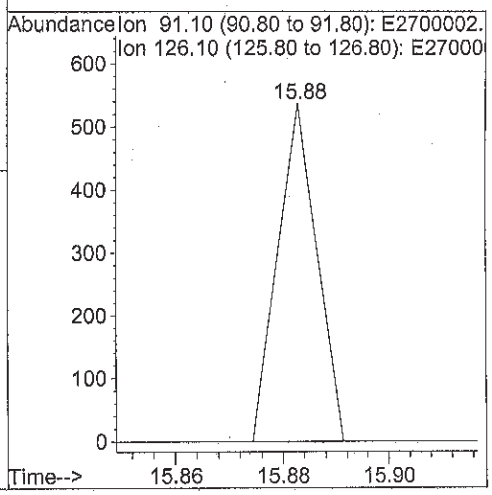


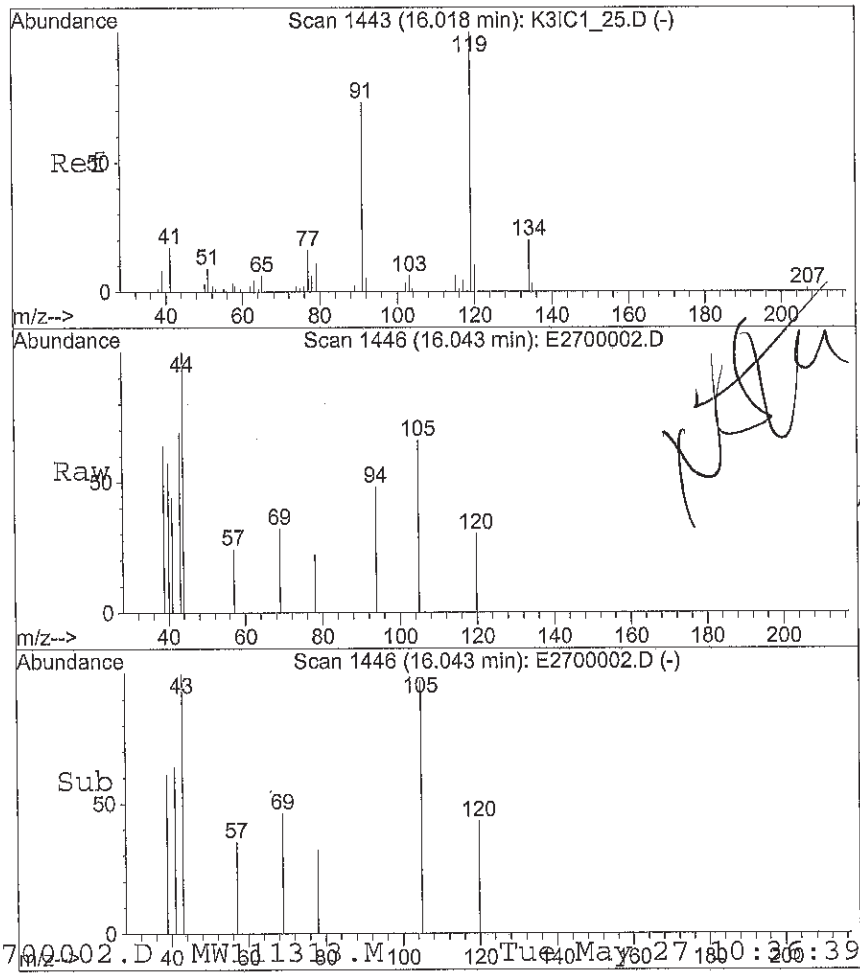


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.88 min Scan# 1427
Delta R.T. 0.15 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion: 91 Resp: 272

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

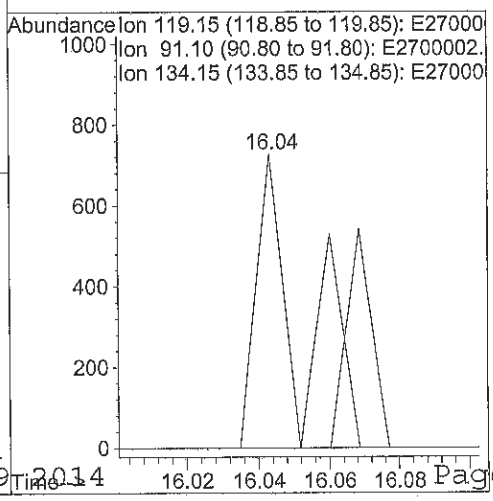


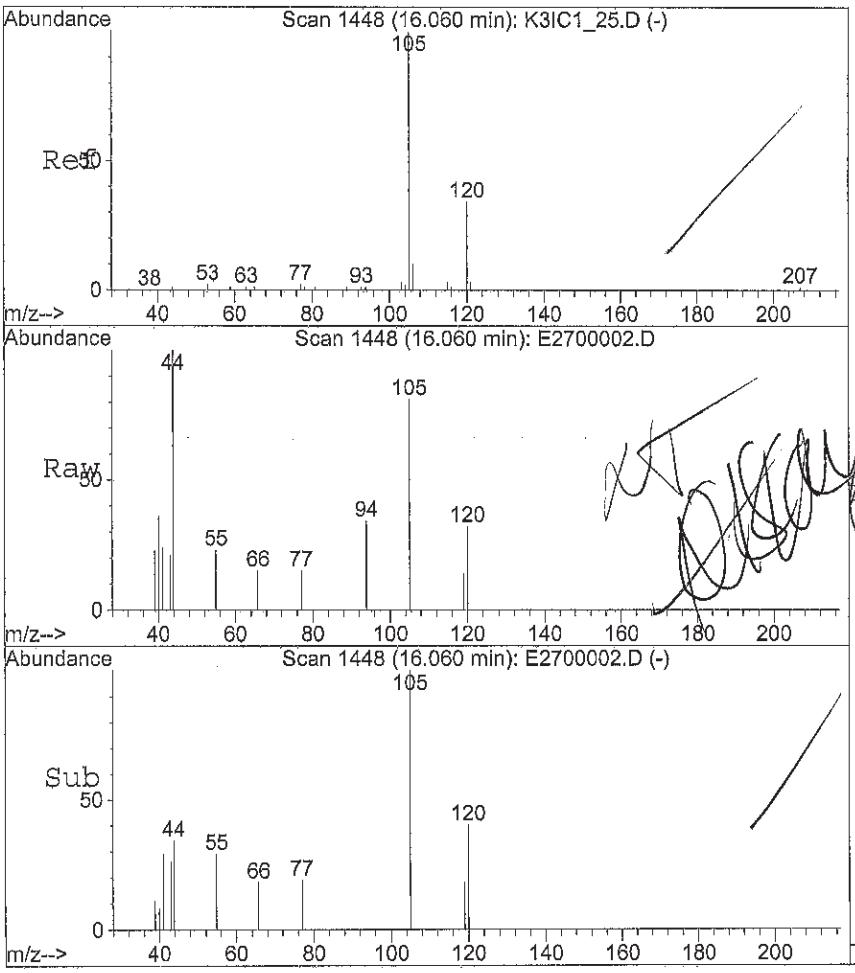


#66
tert-Butylbenzene
Concen: 0.04 ug/L
RT: 16.04 min Scan# 1446
Delta R.T. 0.03 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:119 Resp: 637

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

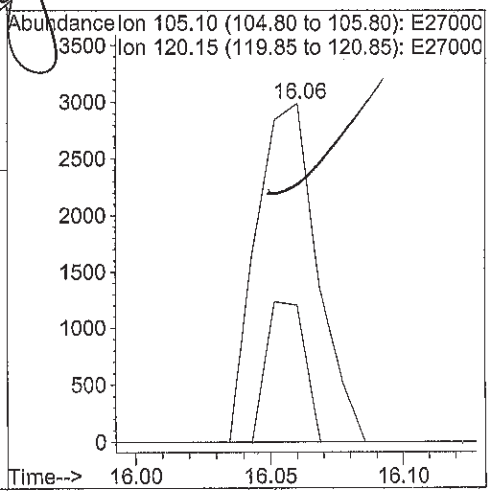


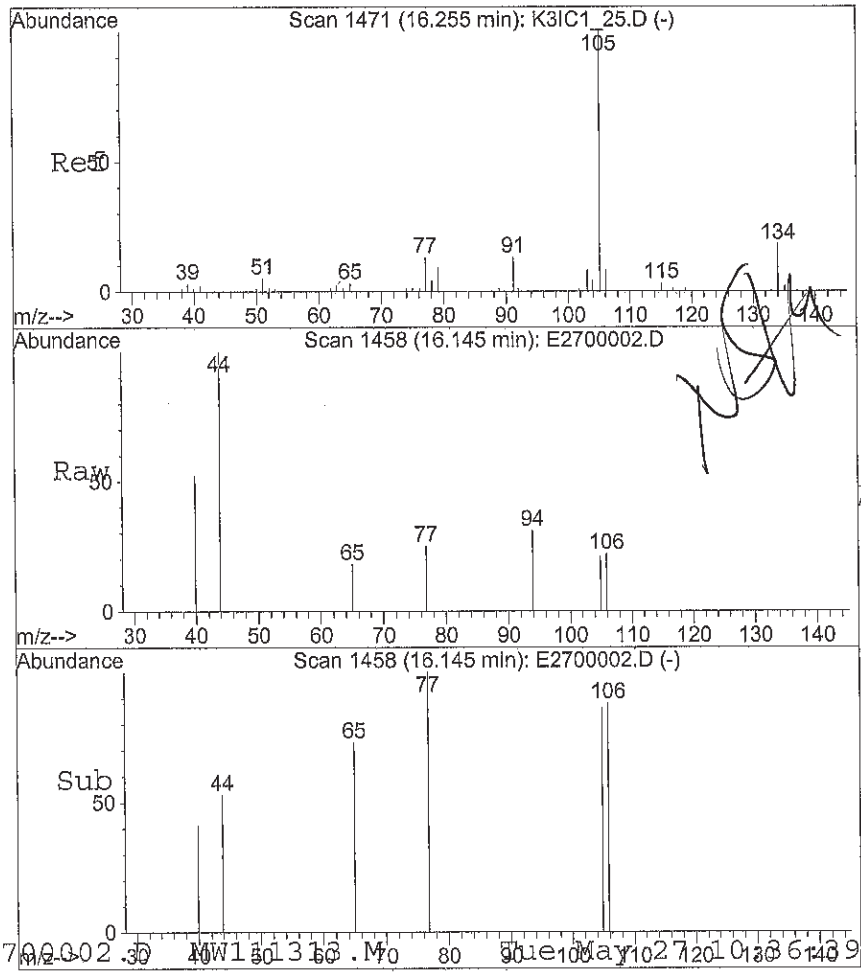


#67
1,2,4-Trimethylbenzene
Concen: 0.26 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:105 Resp: 4740

Ion	Ratio	Lower	Upper
105	100		
120	26.0	33.8	50.8#

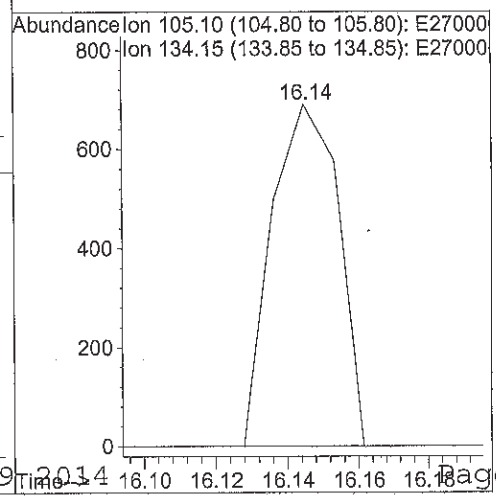


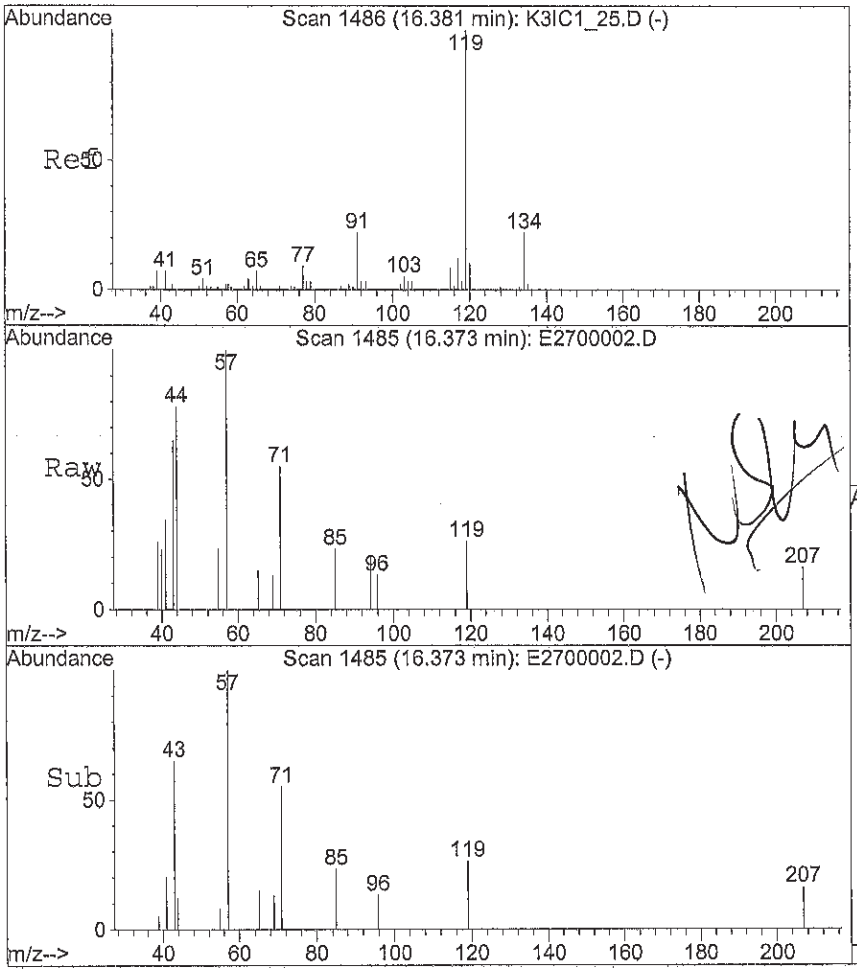


#68
sec-Butylbenzene
Concen: 0.04 ug/L
RT: 16.14 min Scan# 1458
Delta R.T. -0.11 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:105 Resp: 897

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

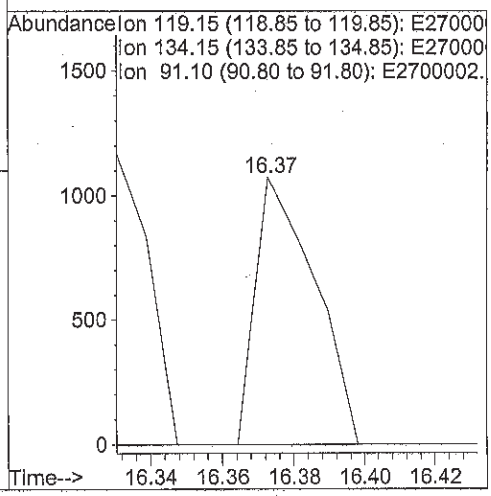




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E2700002.D
Acq: 27 May 2014 9:58 am

Tgt Ion:119 Resp: 1234

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700002.D Vial: 1
Acq On : 27 May 2014 9:58 am Operator: DN
Sample : 3E42701-02 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:36 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1799866	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1320042	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	691378	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	494253	10.56	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 84.48%			
3) Chloroform-d (SU6)	9.18	84	813936	12.12	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 96.96%			
4) Methylene Chloride-d2 (SU5	7.08	86	463039	11.80	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 94.40%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	491526	15.37	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 122.96%			
6) Benzene-d6 (SU7)	9.93	84	1576905	11.16	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.28%			
8) Toluene-d8 (SU3)	12.20	98	1520313	12.14	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.12%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	725194	14.03	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 112.24%			

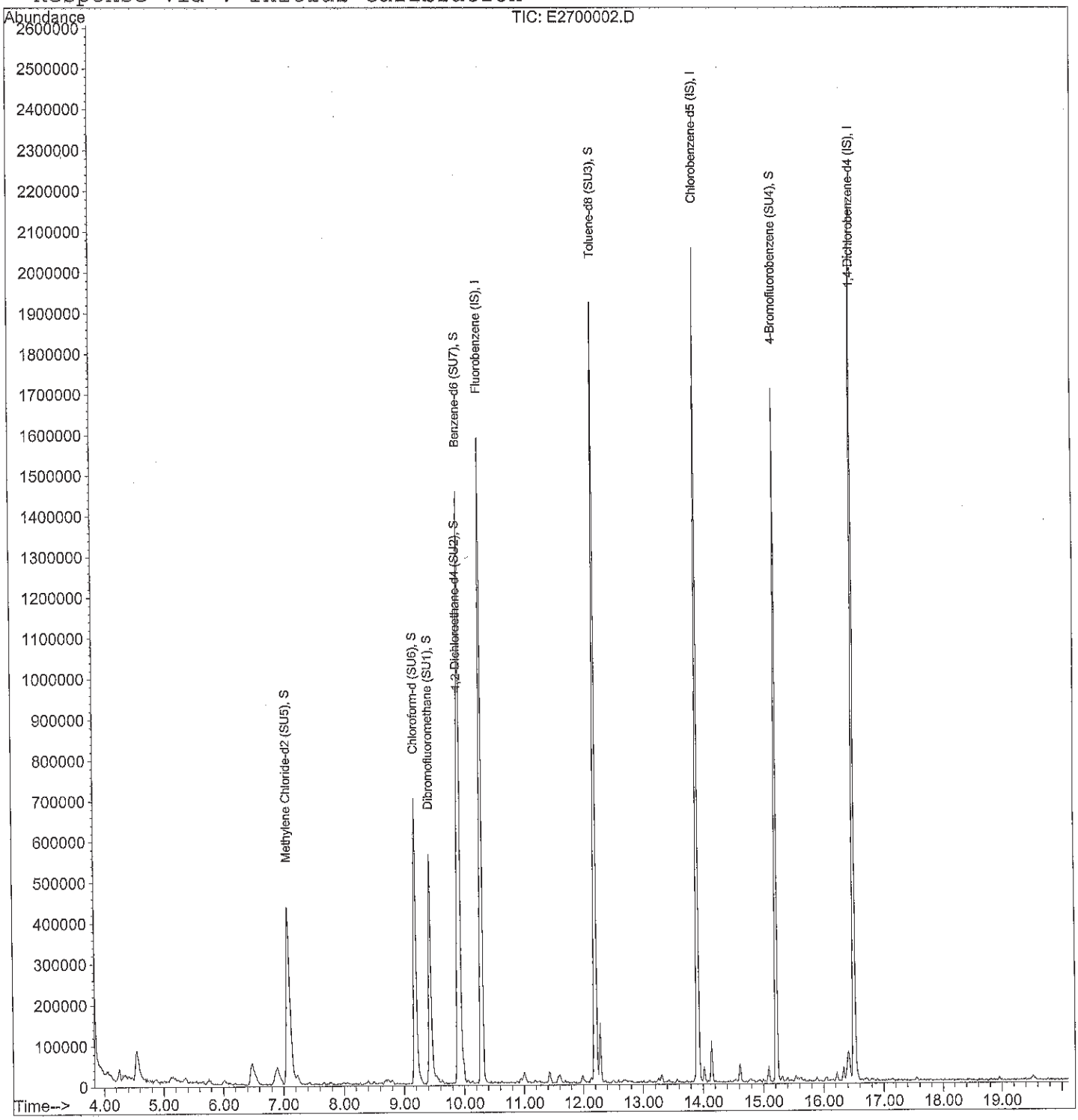
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700002.D Vial: 1
Acq On : 27 May 2014 9:58 am Operator: DN
Sample : 3E42701-02 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 10:36 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700004.D Vial: 3
Acq On : 27 May 2014 10:57 am Operator: DN
Sample : 3E42701-03 Inst : GC/MS Ins
Misc : 100cc SVL-802-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:30 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1745598	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1321272	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	716932	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	499272	11.47 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.76%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	500264	12.09 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.72%		
39) Toluene-d8 (SU3)	12.20	98	1522306	12.35 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.80%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	713995	13.21 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 105.68%		
Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.13	85	325	0.08 ug/L #	44
4) Chloromethane	4.42	50	6825	1.11 ug/L #	41
6) Bromomethane	5.12	96	11107	4.01 ug/L #	64
7) Chloroethane	5.23	64	573	1.08 ug/L	93
11) Acetone	6.47	58	23213	37.30 ug/L	68
12) (IPA) Leak Check Compound	6.48	45	109759	523.26 ug/L #	85
13) Carbon disulfide	6.86	76	91217	6.29 ug/L	98
14) Methylene Chloride	7.07	84	6783	1.41 ug/L #	1
15) (TBA) tert-Butanol	6.92	59	2665	8.95 ug/L #	77
21) (MEK) 2-Butanone	8.79	72	1128	2.30 ug/L #	1
24) Chloroform	9.21	83	2633	0.29 ug/L #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.41	59	449	0.04 ug/L #	44
29) 1,1-Dichloropropene	9.92	75	284	0.04 ug/L #	1
31) Benzene	9.98	78	17478	1.06 ug/L	81
32) 1,2-Dichloroethane	9.92	62	7790	1.34 ug/L #	1
34) 1,2-Dichloropropane	11.03	63	609	0.16 ug/L #	2
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	7890	2.99 ug/L #	100
41) Toluene	12.28	91	91885	5.10 ug/L	96
46) 2-Hexanone	12.97	43	1334	0.46 ug/L #	37
51) Ethylbenzene	14.02	91	20349	0.99 ug/L	91
52) m,p-Xylenes	14.14	106	20727	2.85 ug/L	97
53) o-Xylene	14.61	106	8783	1.22 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700004.D Vial: 3
Acq On : 27 May 2014 10:57 am Operator: DN
Sample : 3E42701-03 Inst : GC/MS Ins
Misc : 100cc SVL-802-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:30 19114 Quant Results File: MW111313.RES

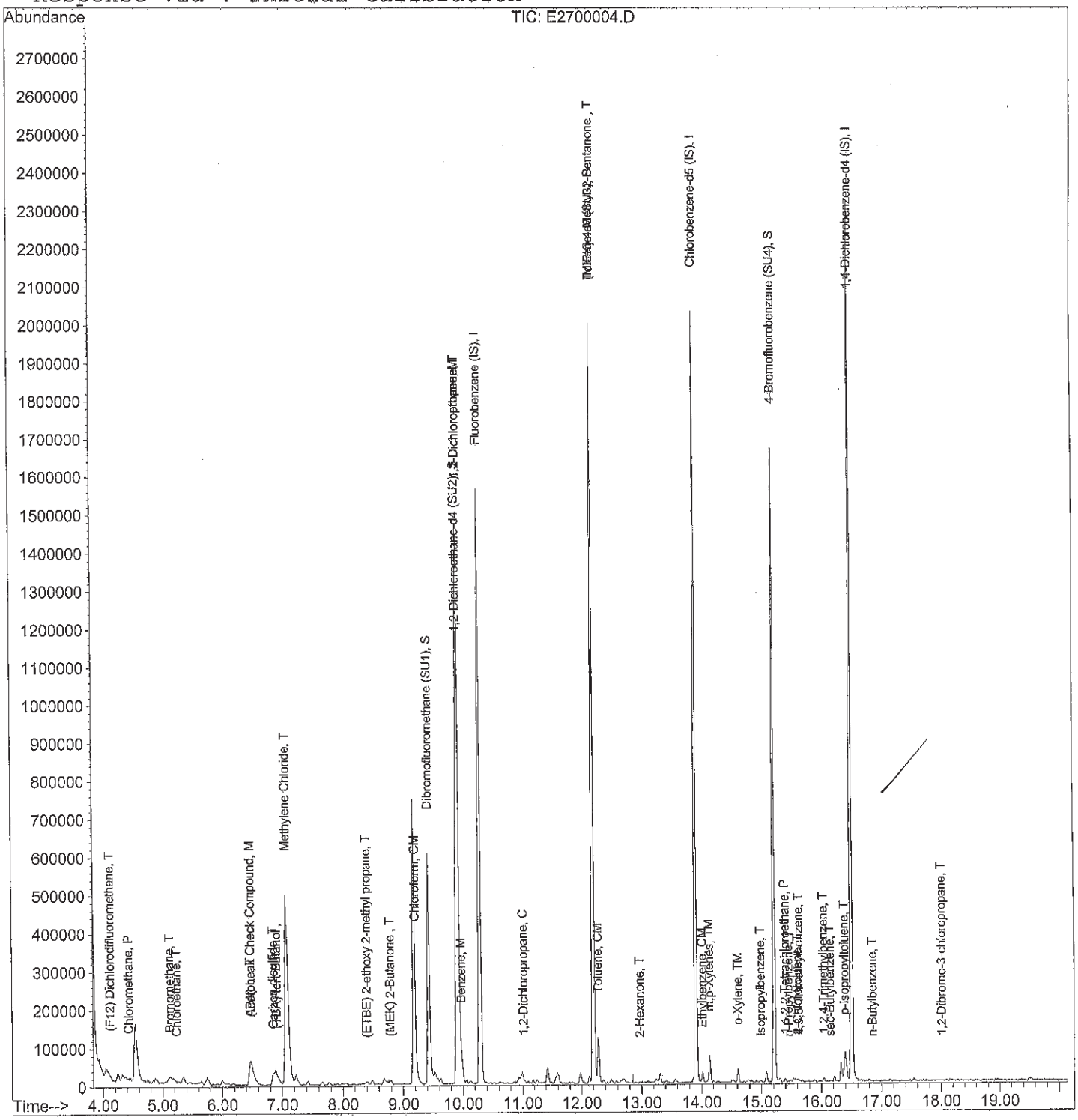
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

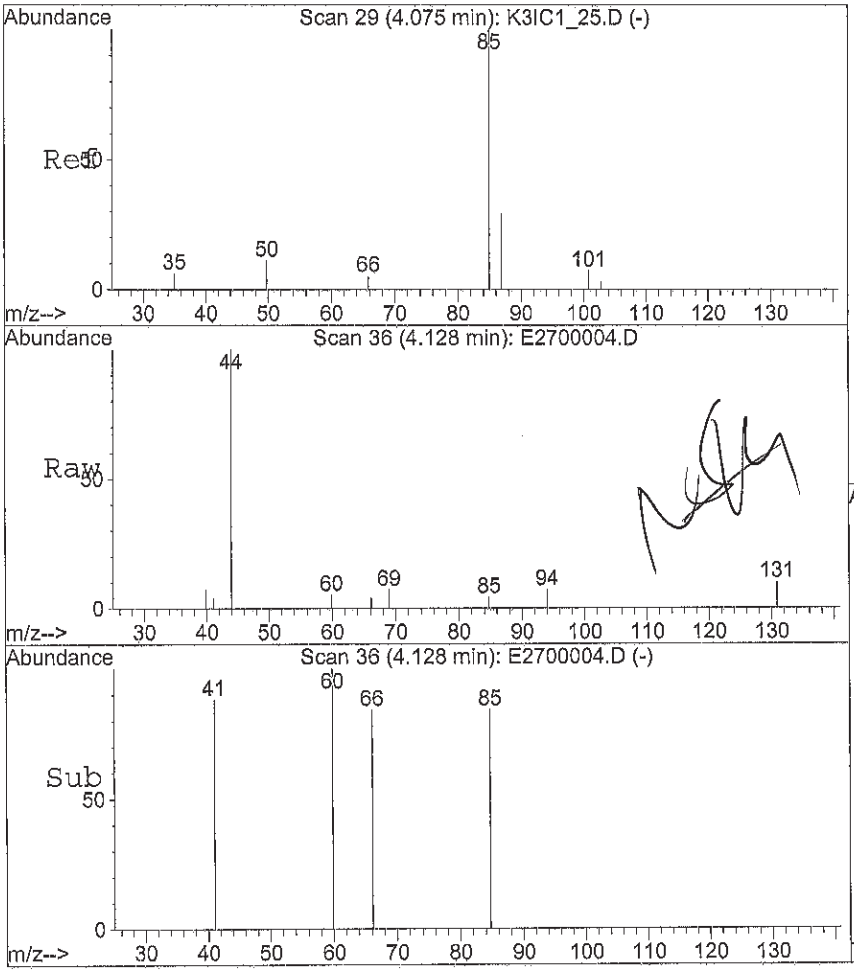
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
54)	Styrene	14.62	104	1905	-0.69 ~~ug/L~~	#	1
56)	Isopropylbenzene	15.00	105	1060	0.05 ~~ug/L~~	#	55
60)	1,1,2,2-Tetrachloroethane	15.40	83	313	0.06 ~~ug/L~~	#	18
62)	n-Propylbenzene	15.45	91	1988	0.07 ~~ug/L~~	#	56
63)	2-Chlorotoluene	15.62	91	552	0.03 ~~ug/L~~	#	45
64)	1,3,5-Trimethylbenzene	15.62	105	710	0.04 ~~ug/L~~	#	31
65)	4-Chlorotoluene	15.62	91	552	0.03 ~~ug/L~~	#	44
67)	1,2,4-Trimethylbenzene	16.05	105	3152	0.17 ~~ug/L~~	#	57
68)	sec-Butylbenzene	16.15	105	883	0.04 ~~ug/L~~	#	62
69)	p-Isopropyltoluene	16.38	119	1416	0.07 ~~ug/L~~	#	52
72)	n-Butylbenzene	16.85	91	272	0.01 ~~ug/L~~	#	30
74)	1,2-Dibromo-3-chloropropan	18.00	75	289	1.23 ~~ug/L~~	#	6

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700004.D Vial: 3
Acq On : 27 May 2014 10:57 am Operator: DN
Sample : 3E42701-03 Inst : GC/MS Ins
Misc : 100cc SVL-802-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:30 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

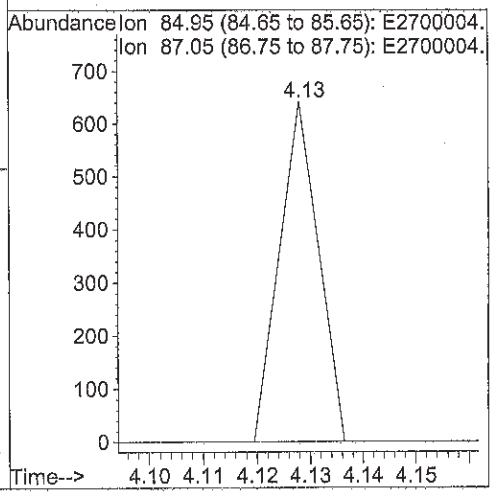


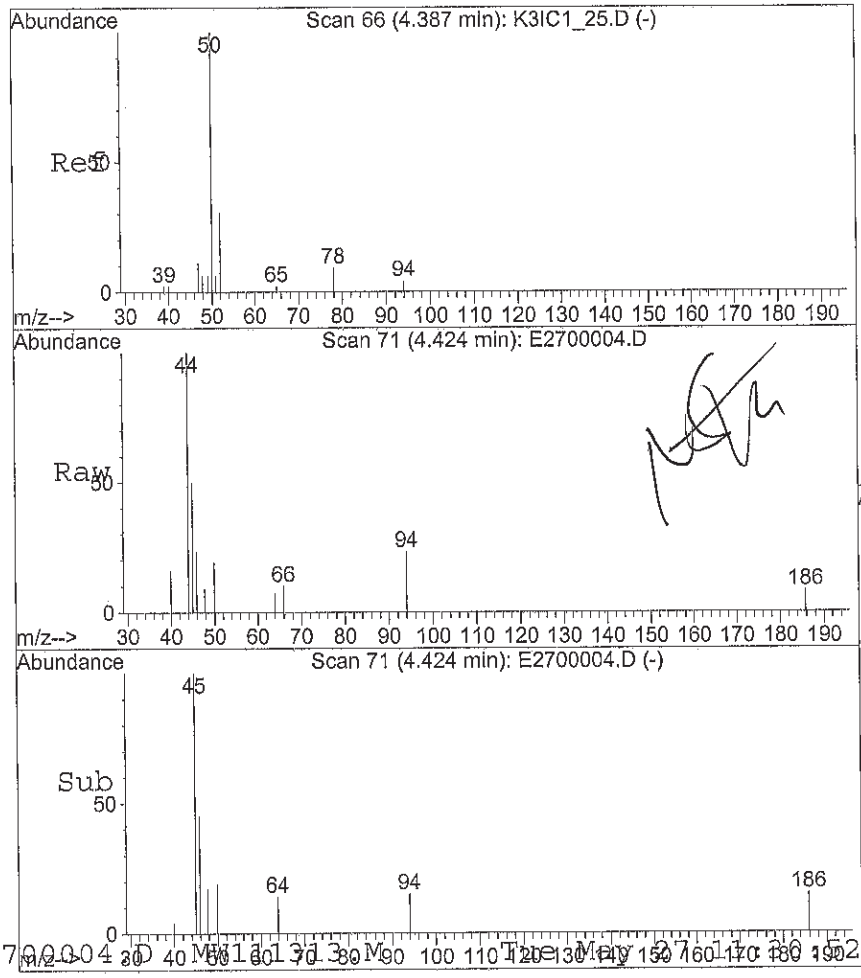


#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.13 min Scan# 36
Delta R.T. 0.05 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 85 Resp: 325

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

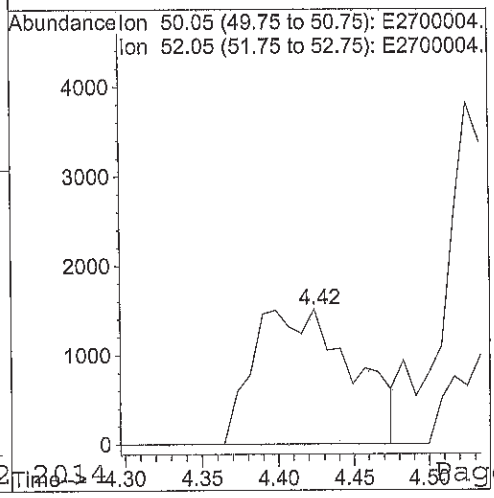


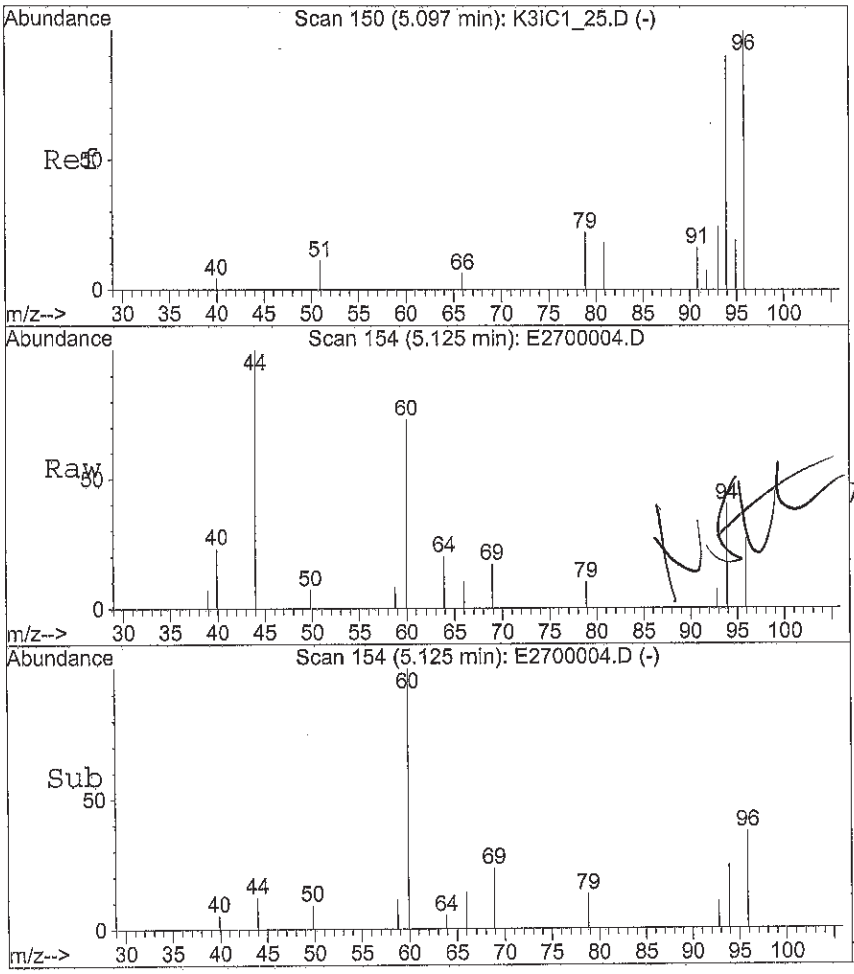


#4
Chloromethane
Concen: 1.11 ug/L
RT: 4.42 min Scan# 71
Delta R.T. 0.04 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 50 Resp: 6825

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.9	40.3#

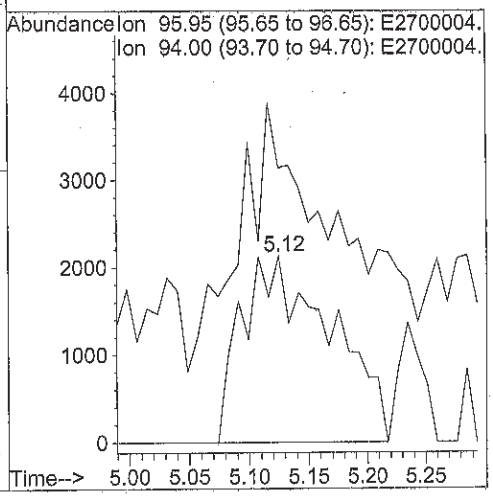


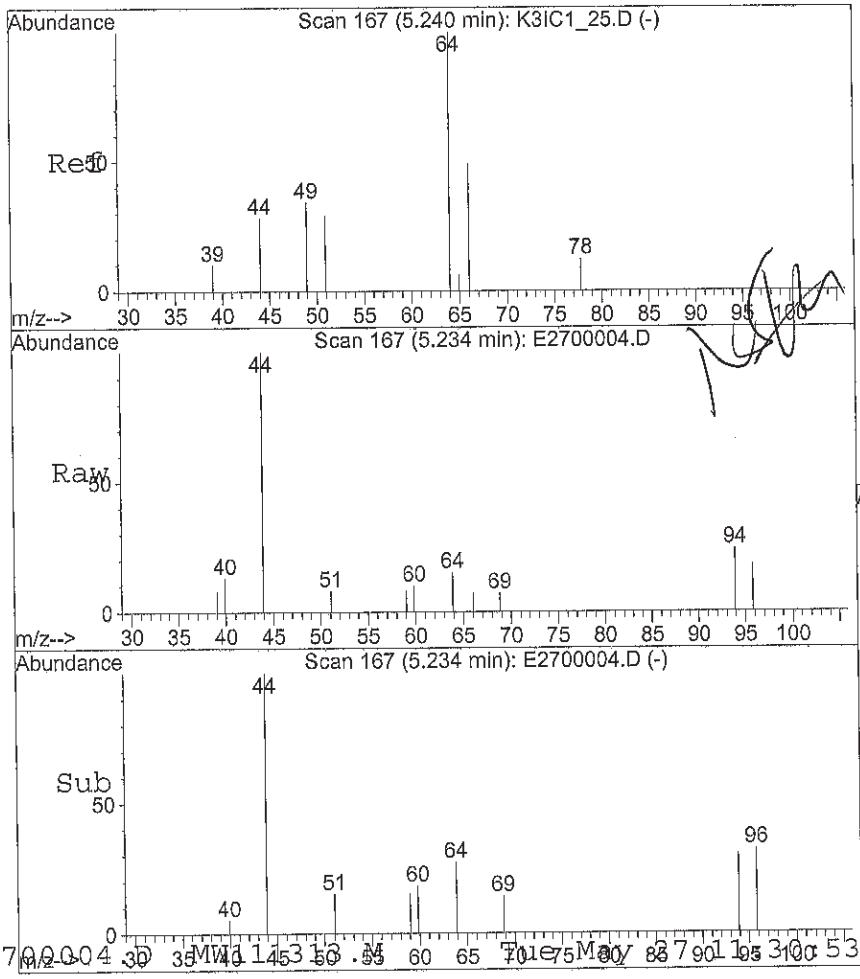


#6
Bromomethane
Concen: 4.01 ug/L
RT: 5.12 min Scan# 154
Delta R.T. 0.03 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 96 Resp: 11107

Ion	Ratio	Lower	Upper
96	100		
94	167.7	101.0	151.4#

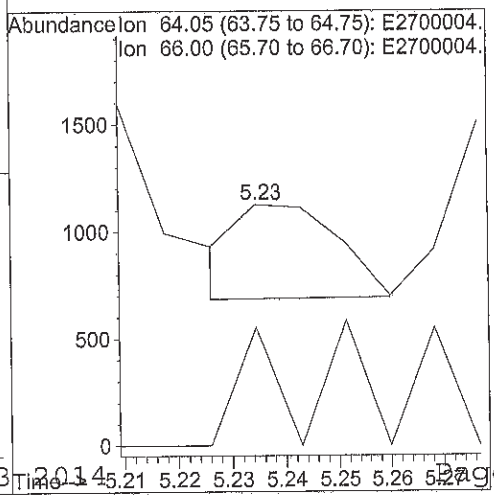


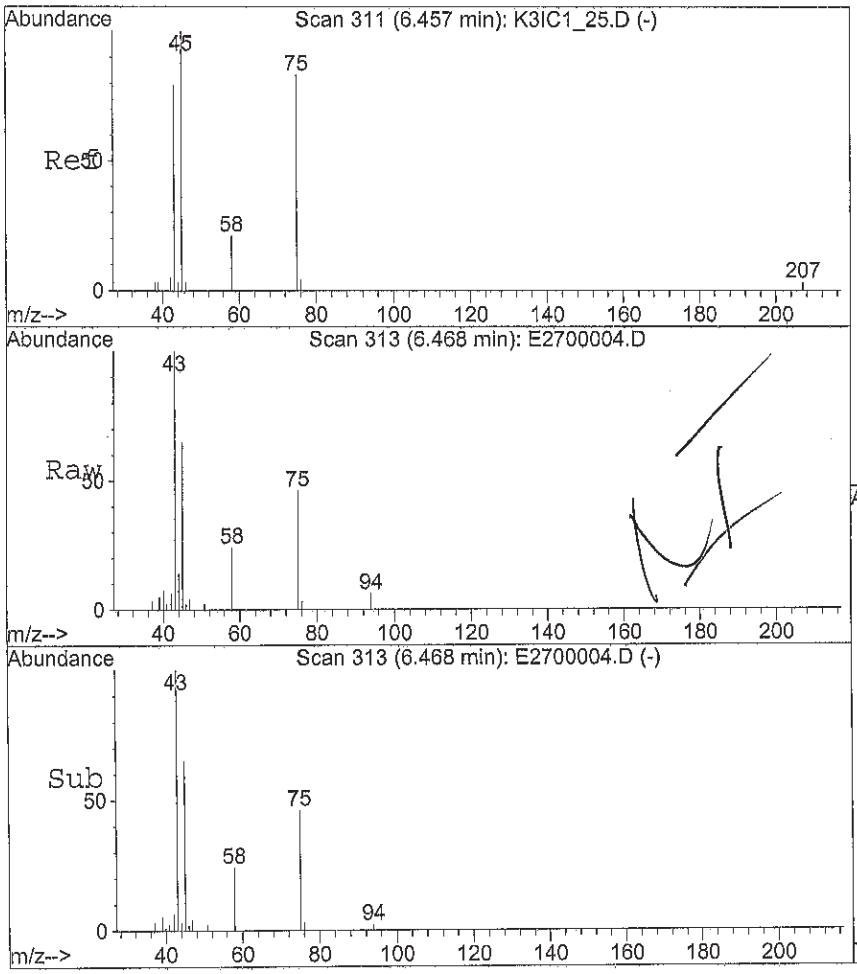


#7
Chloroethane
Concen: 1.08 ug/L
RT: 5.23 min Scan# 167
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 64 Resp: 573

Ion	Ratio	Lower	Upper
64	100		
66	49.0	35.4	53.0

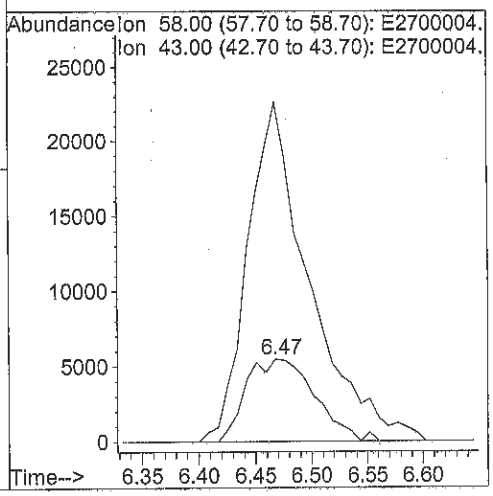


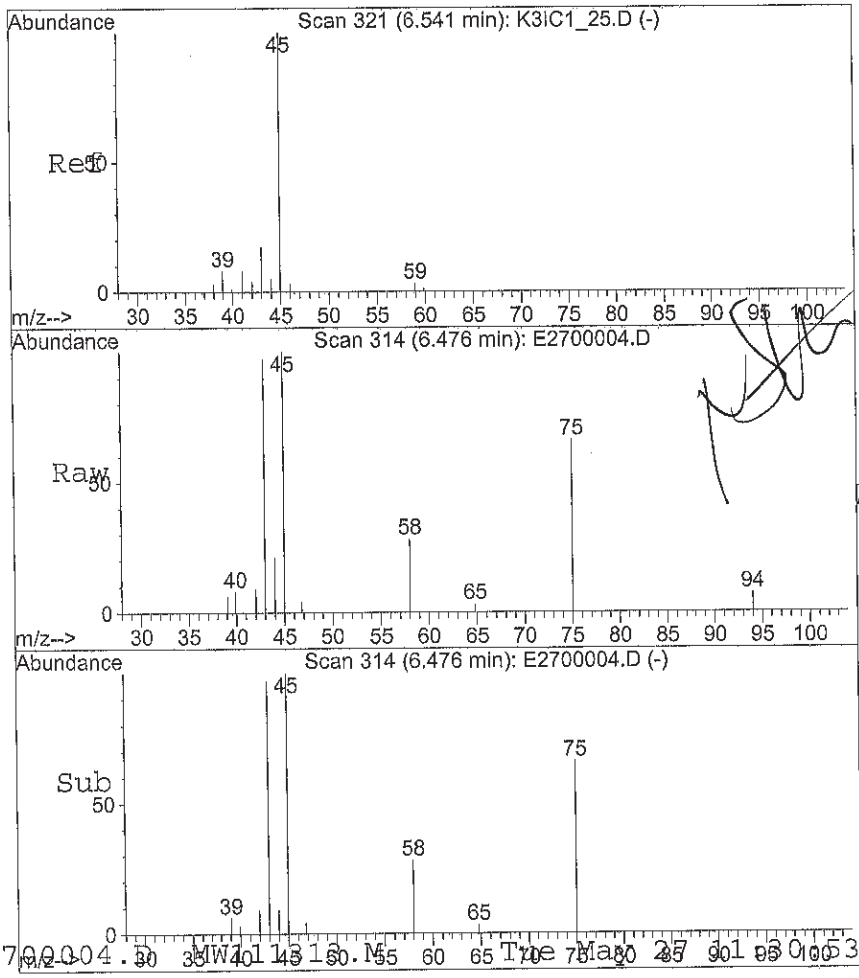


#11
Acetone
Concen: 37.30 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 58 Resp: 23213

Ion	Ratio	Lower	Upper
58	100		
43	369.2	360.9	541.3

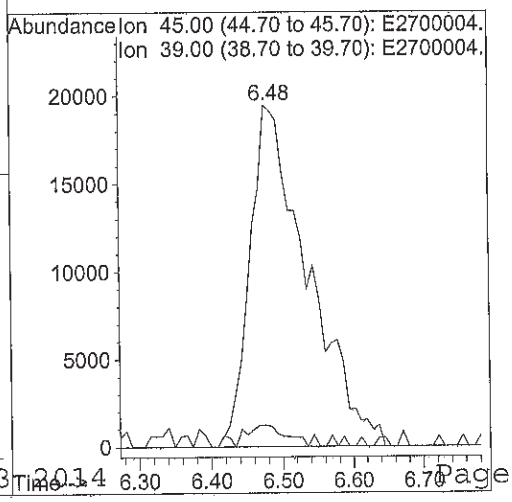


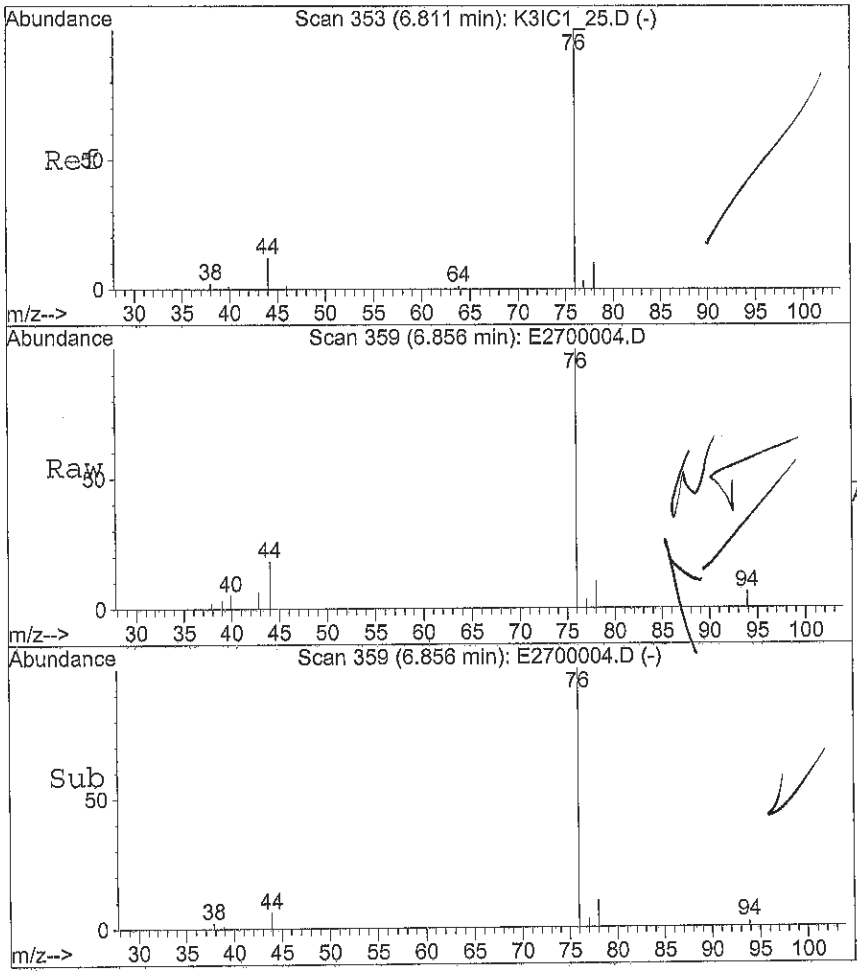


#12
(IPA) Leak Check Compound
Concen: 523.26 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.06 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 45 Resp: 109759

Ion	Ratio	Lower	Upper
45	100		
39	4.3	4.9	7.3#

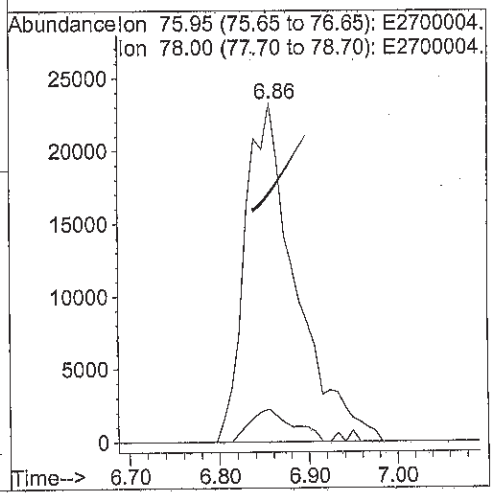


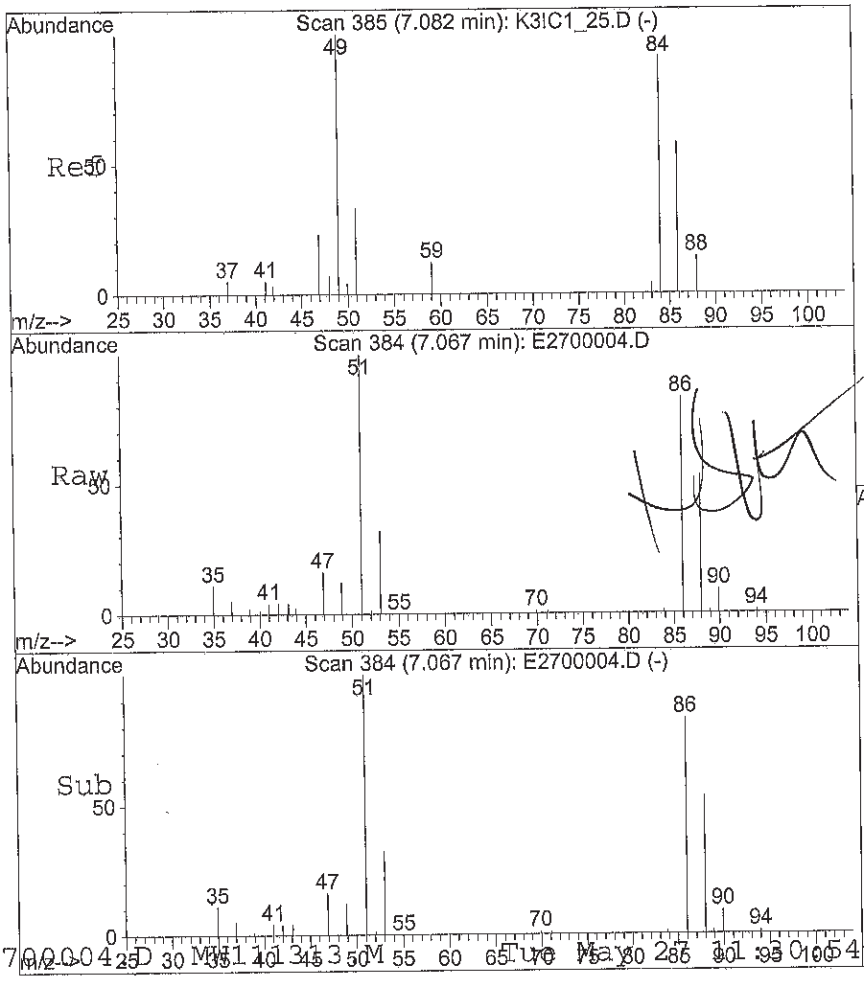


#13
Carbon disulfide
Concen: 6.29 ug/L
RT: 6.86 min Scan# 359
Delta R.T. 0.04 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 76 Resp: 91217

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

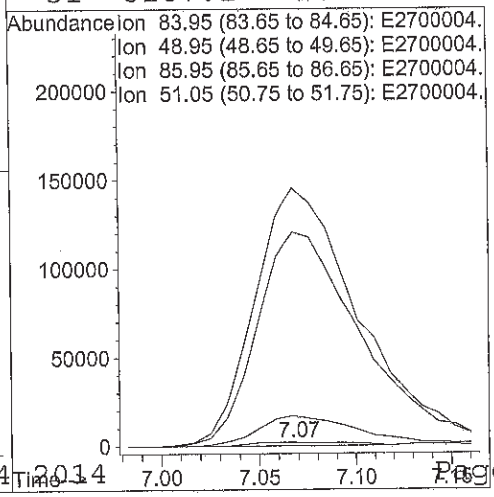


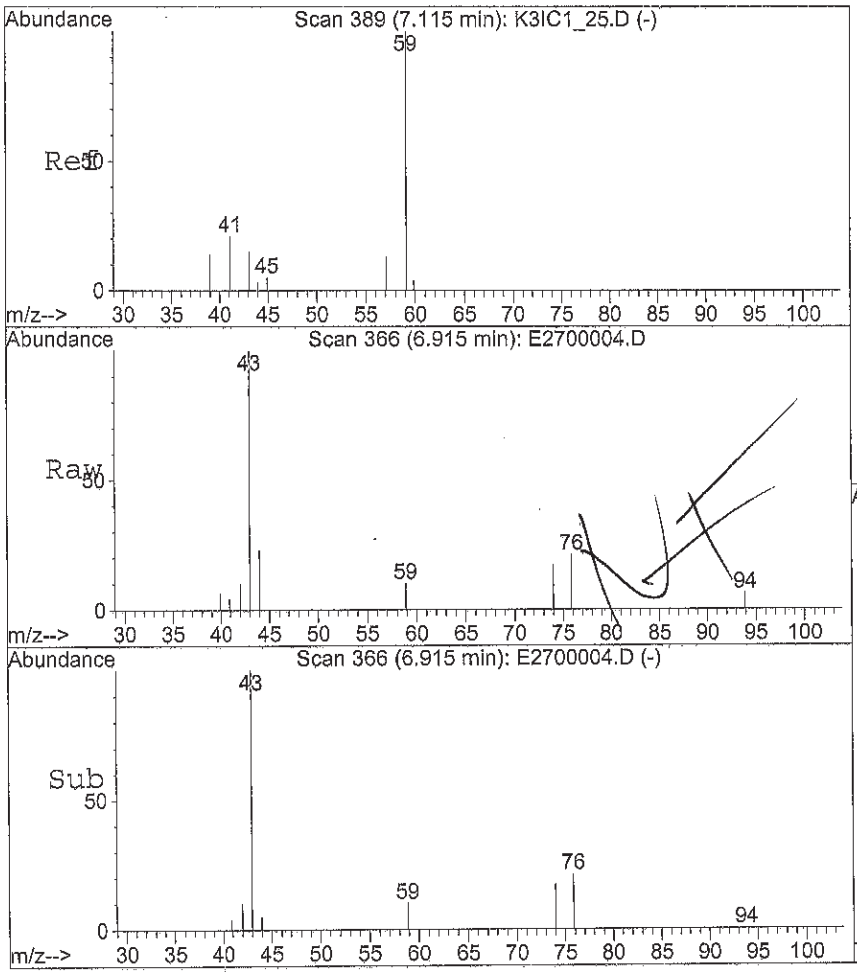


#14
Methylene Chloride
Concen: 1.41 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 84 Resp: 6783

Ion	Ratio	Lower	Upper
84	100		
49	910.6	89.8	134.6#
86	6782.9	51.1	76.7#
51	8167.1	28.5	42.7#

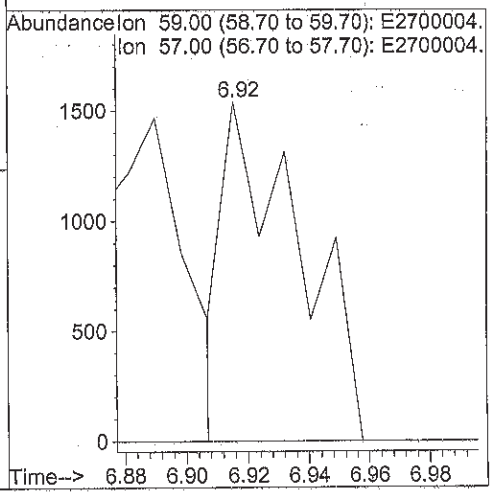


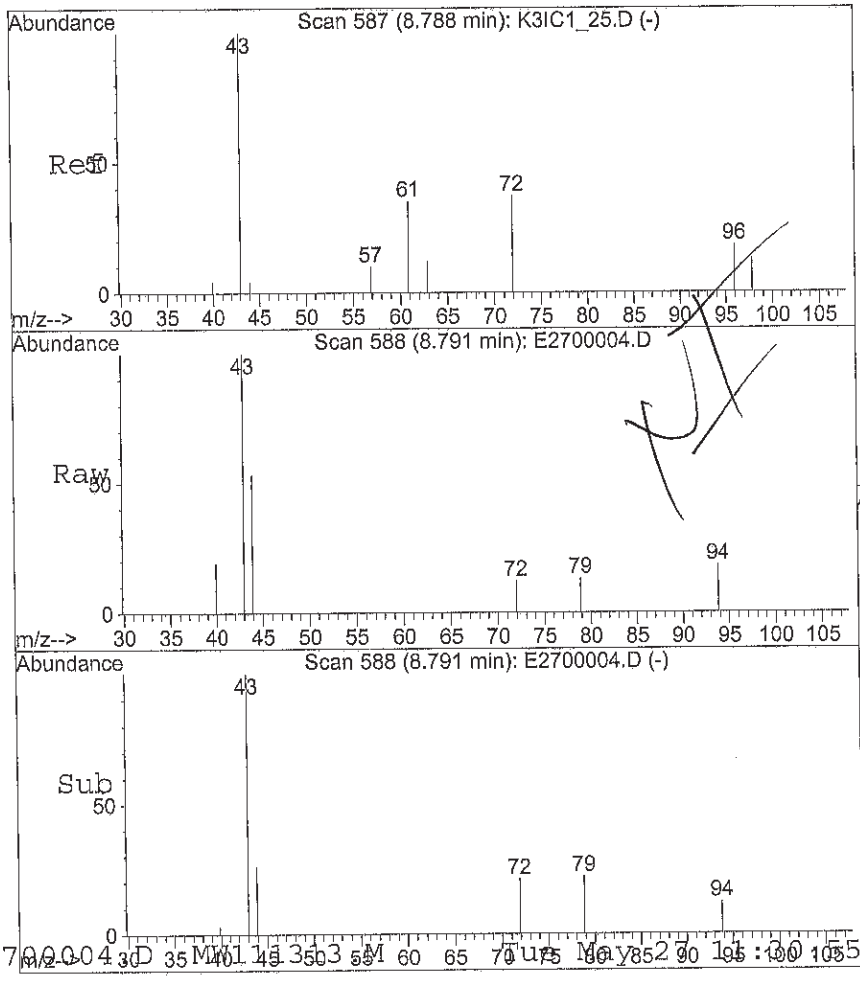


#15
(TBA) tert-Butanol
Concen: 8.95 ug/L
RT: 6.92 min Scan# 366
Delta R.T. -0.20 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 59 Resp: 2665

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

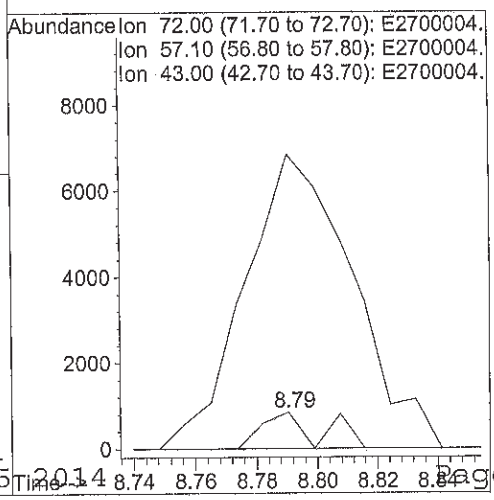


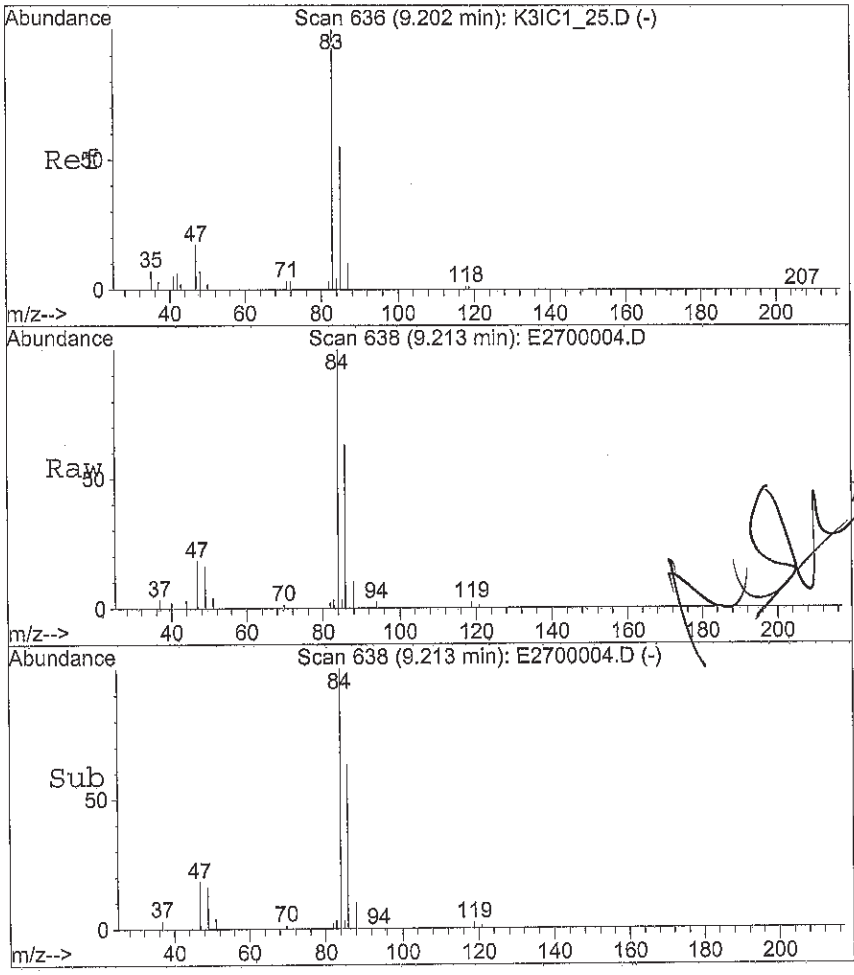


#21
(MEK) 2-Butanone
Concen: 2.30 ug/L
RT: 8.79 min Scan# 588
Delta R.T. 0.00 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 72 Resp: 1128

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	1499.6	314.2	471.2#

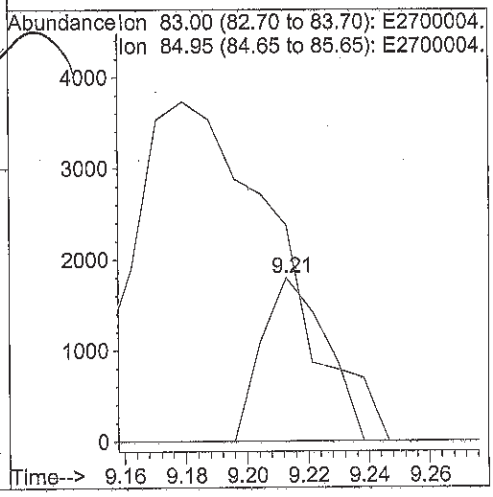


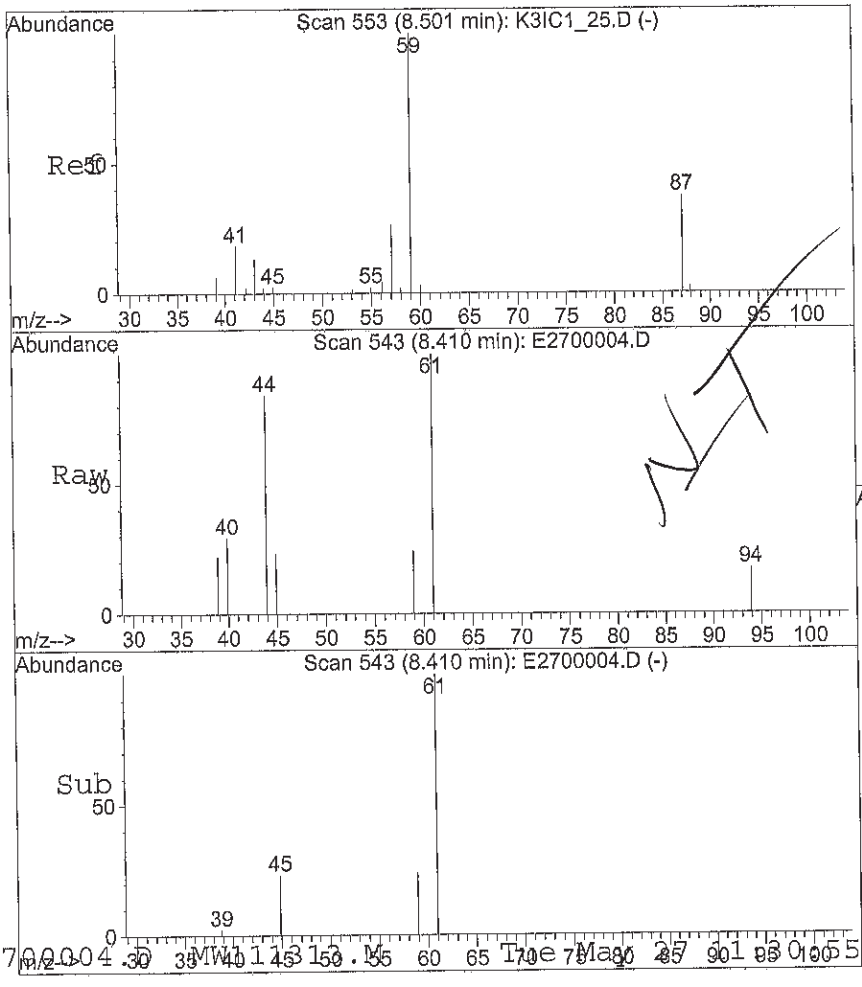


#24
Chloroform
Concen: 0.29 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 83 Resp: 2633

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

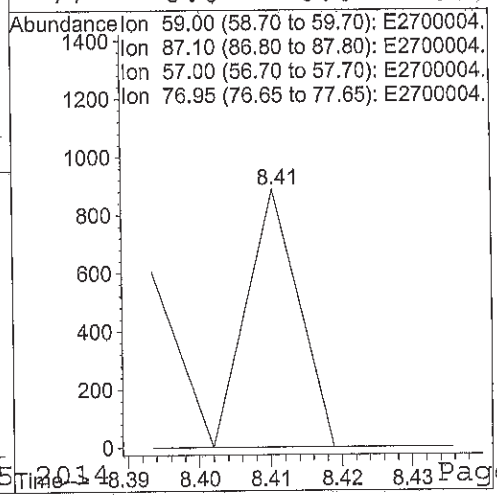


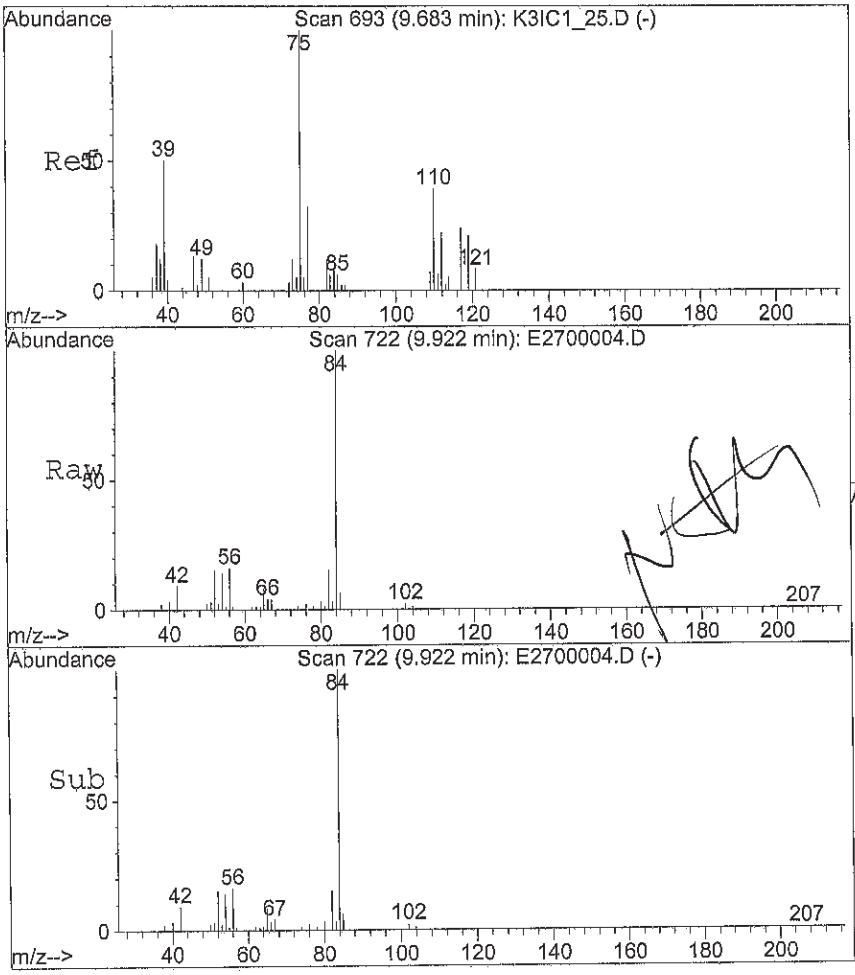


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.04 ug/L
RT: 8.41 min Scan# 543
Delta R.T. -0.09 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 59 Resp: 449

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

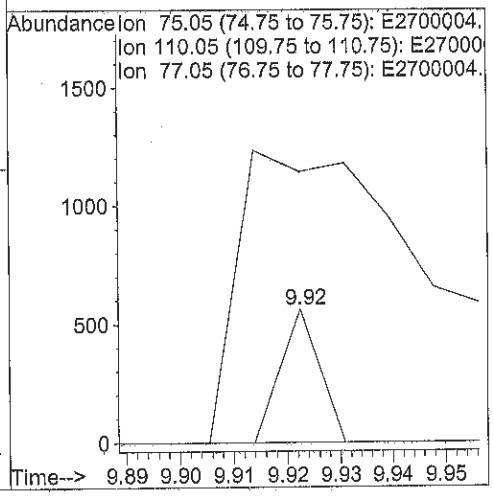


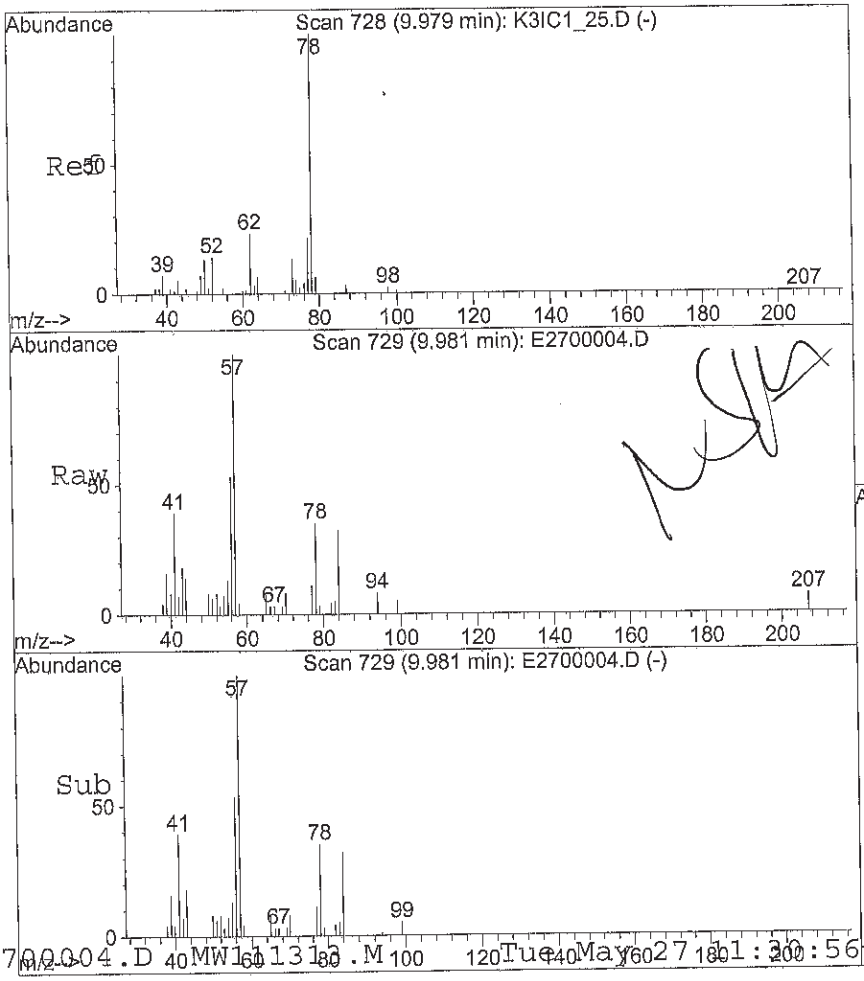


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 75 Resp: 284

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	919.7	25.0	37.4#

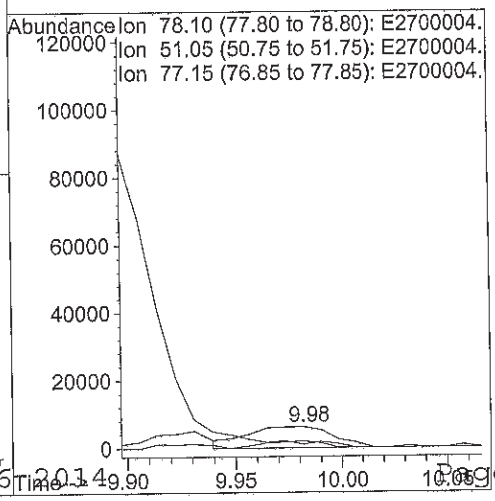


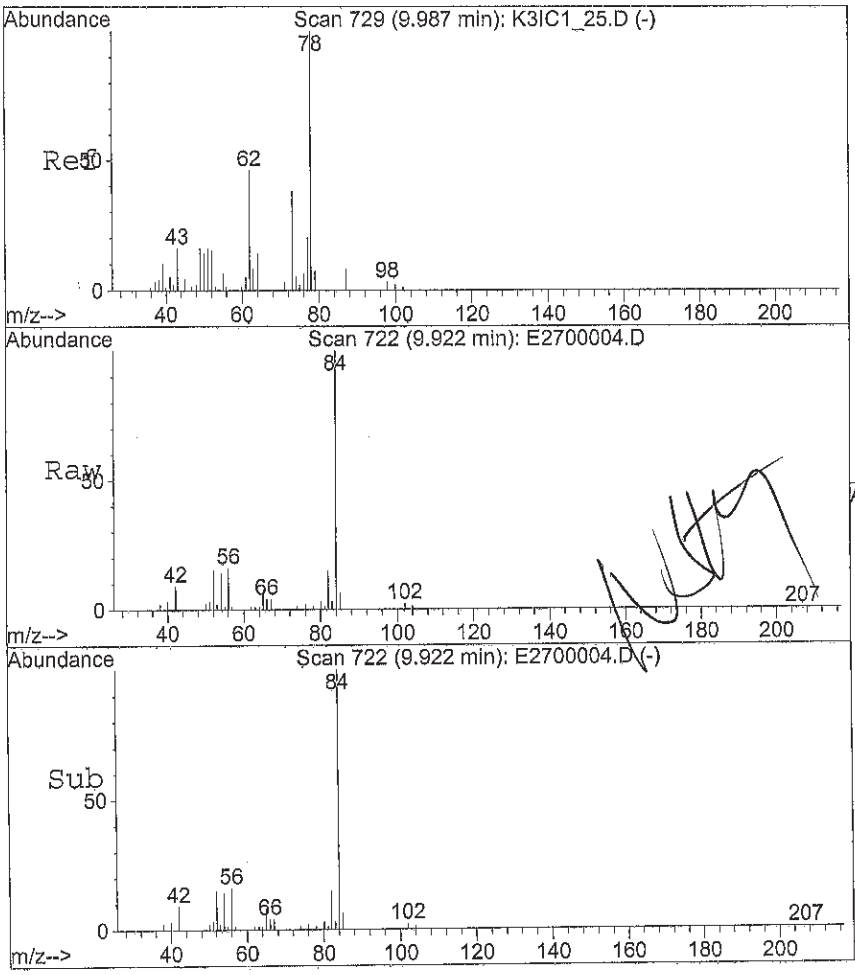


#31
Benzene
Concen: 1.06 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 78 Resp: 17478

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	20.5	16.6	24.8

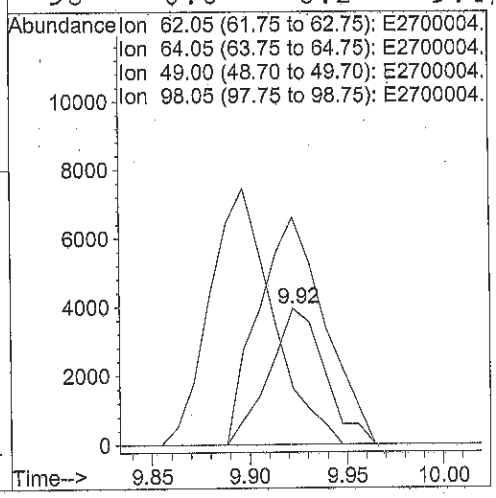


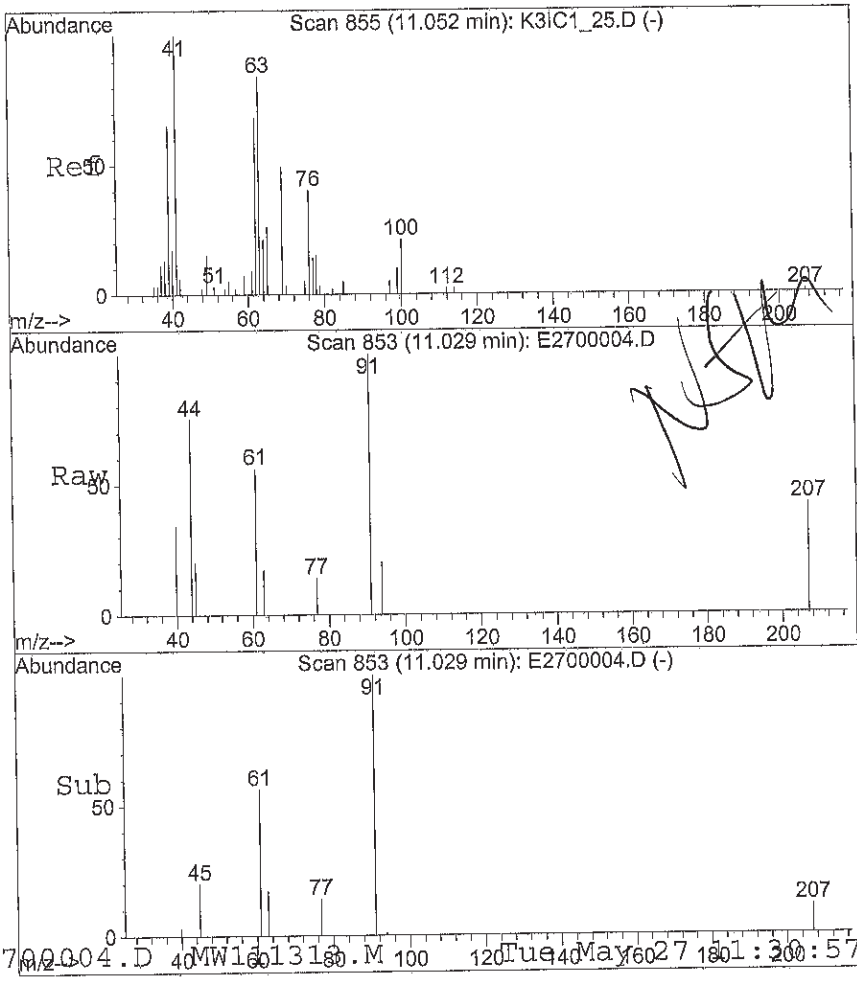


#32
1,2-Dichloroethane
Concen: 1.34 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 62 Resp: 7790

Ion	Ratio	Lower	Upper
62	100		
64	200.3	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

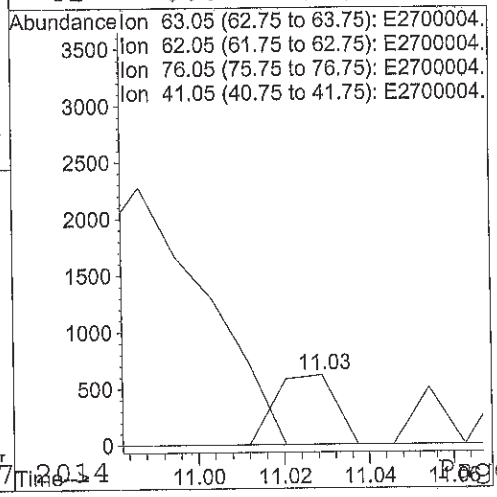


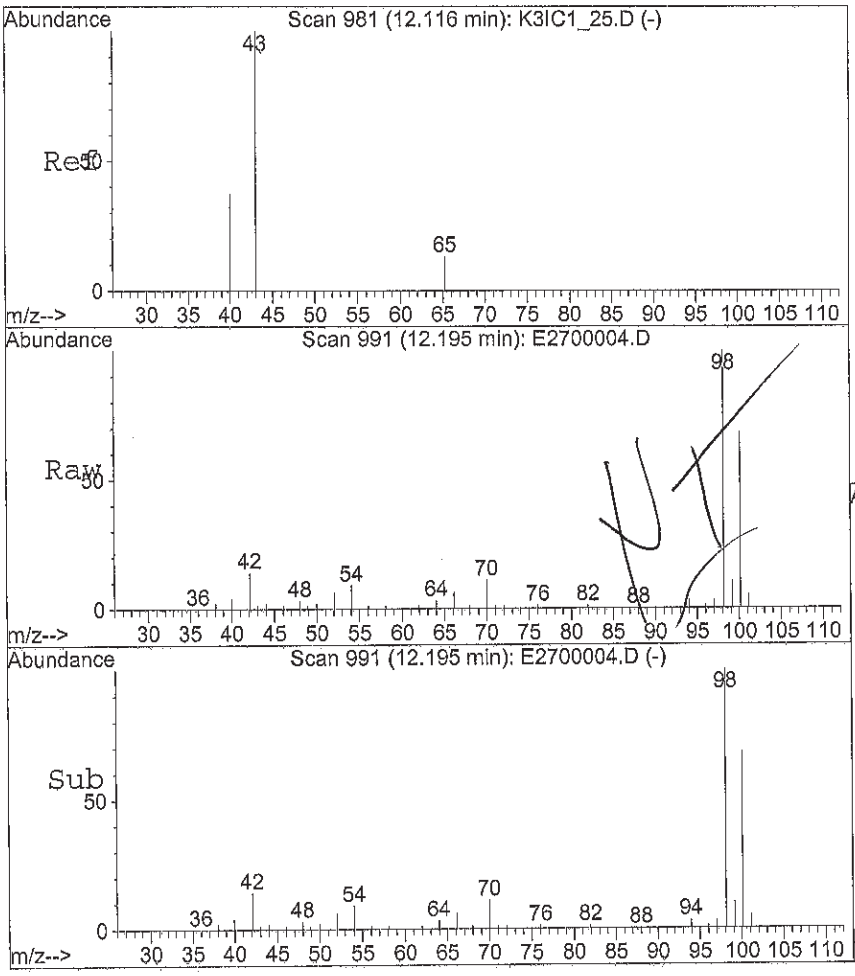


#34
1,2-Dichloropropane
Concen: 0.16 ug/L
RT: 11.03 min Scan# 853
Delta R.T. -0.02 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 63 Resp: 609

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	0.0	103.0	154.6#

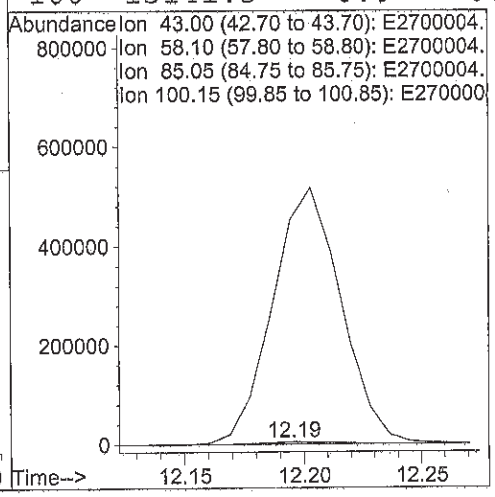


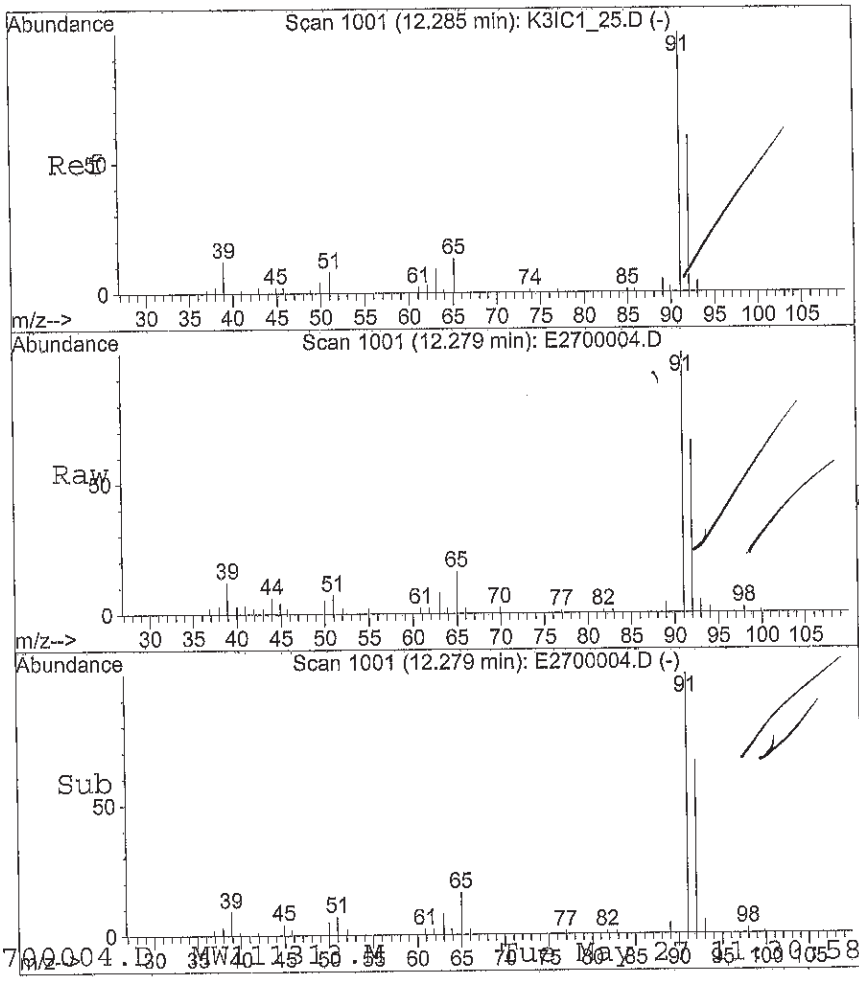


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.99 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 43 Resp: 7890

Ion	Ratio	Lower	Upper
43	100		
58	131.7	0.0	0.0#
85	0.0	0.0	0.0
100	13141.3	0.0	0.0#

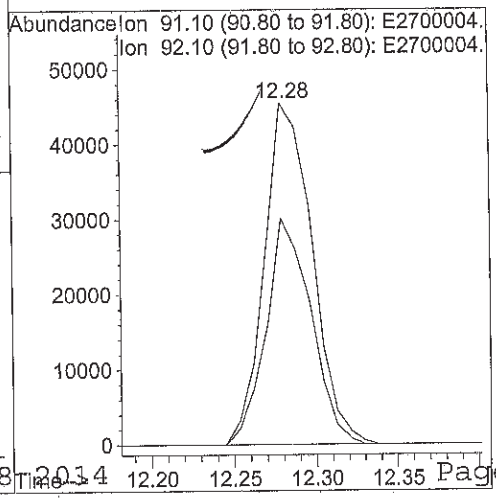


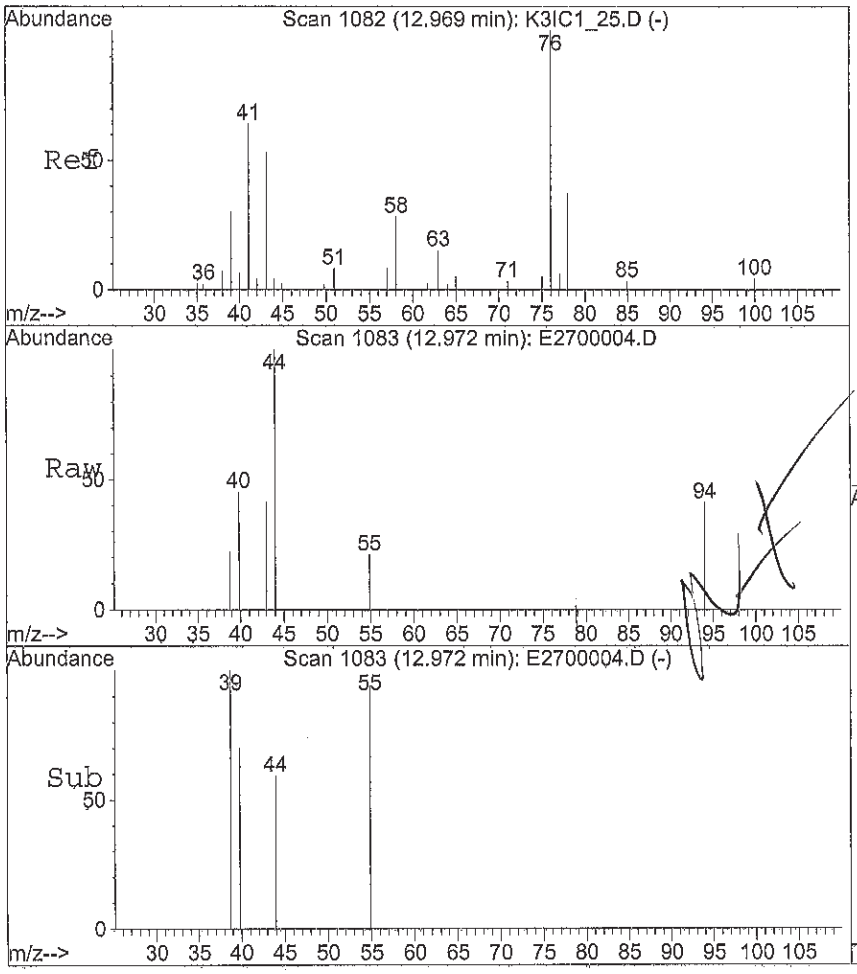


#41
Toluene
Concen: 5.10 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91 Resp: 91885

Ion	Ratio	Lower	Upper
91	100		
92	62.2	47.4	71.0

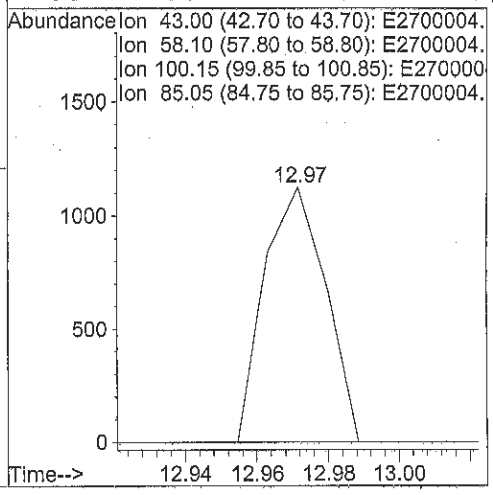


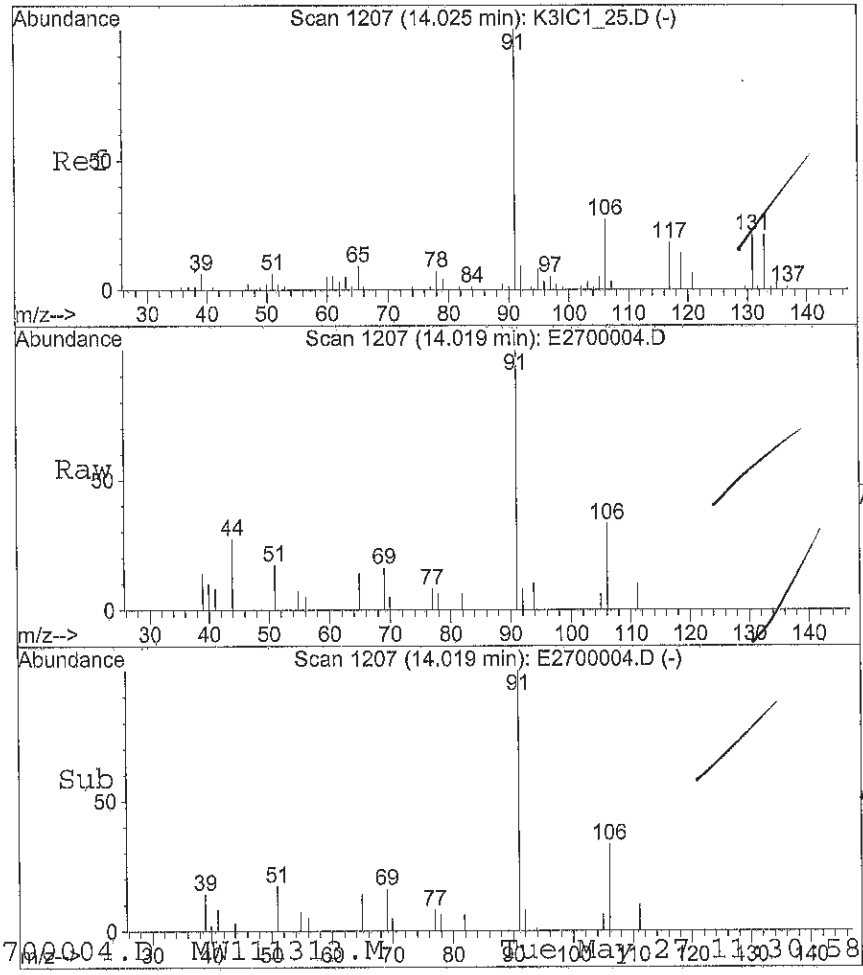


#46
2-Hexanone
Concen: 0.46 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 43 Resp: 1334

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

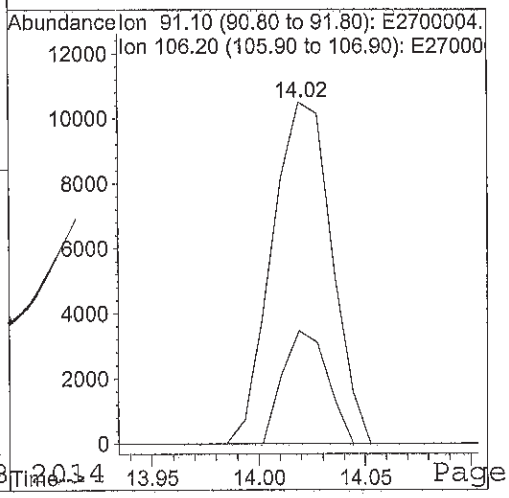


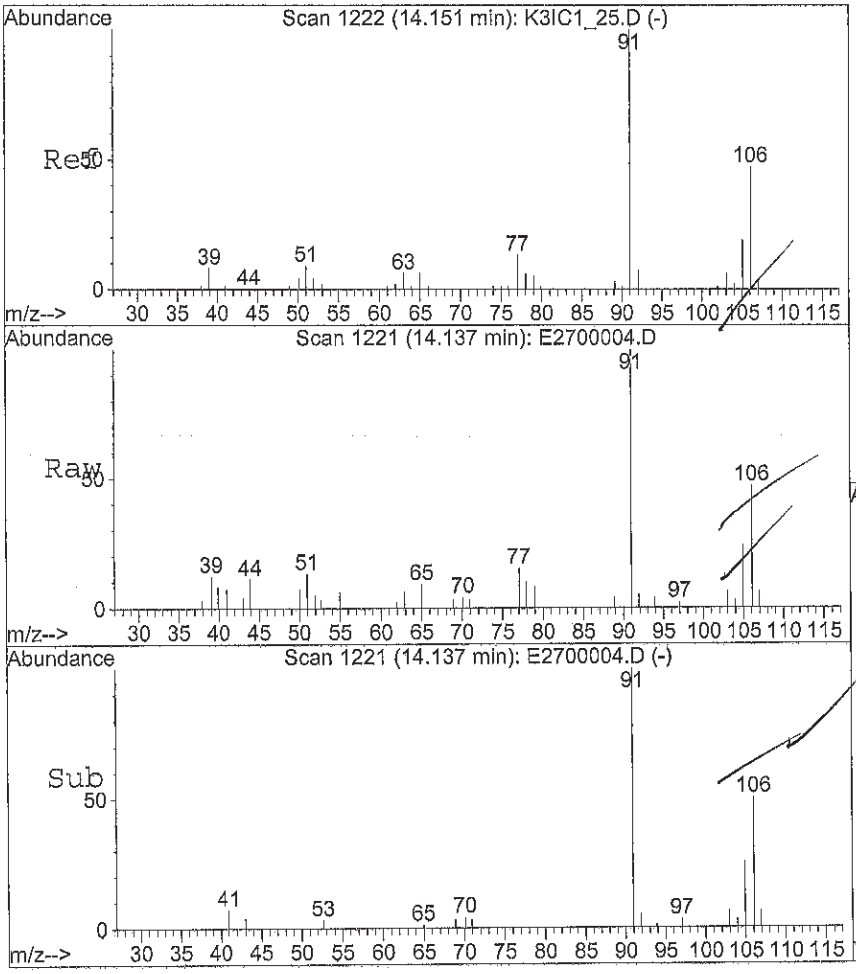


#51
Ethylbenzene
Concen: 0.99 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91 Resp: 20349

Ion	Ratio	Lower	Upper
91	100		
106	24.7	23.5	35.3

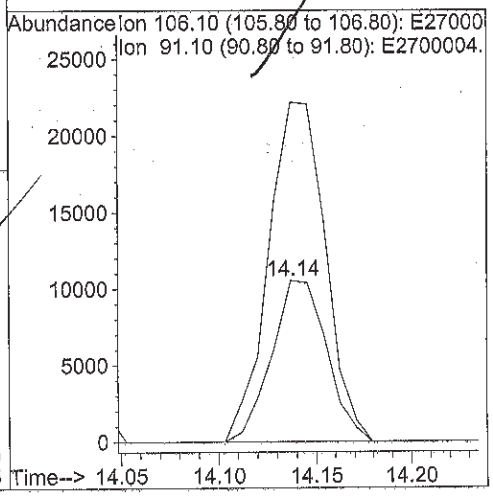


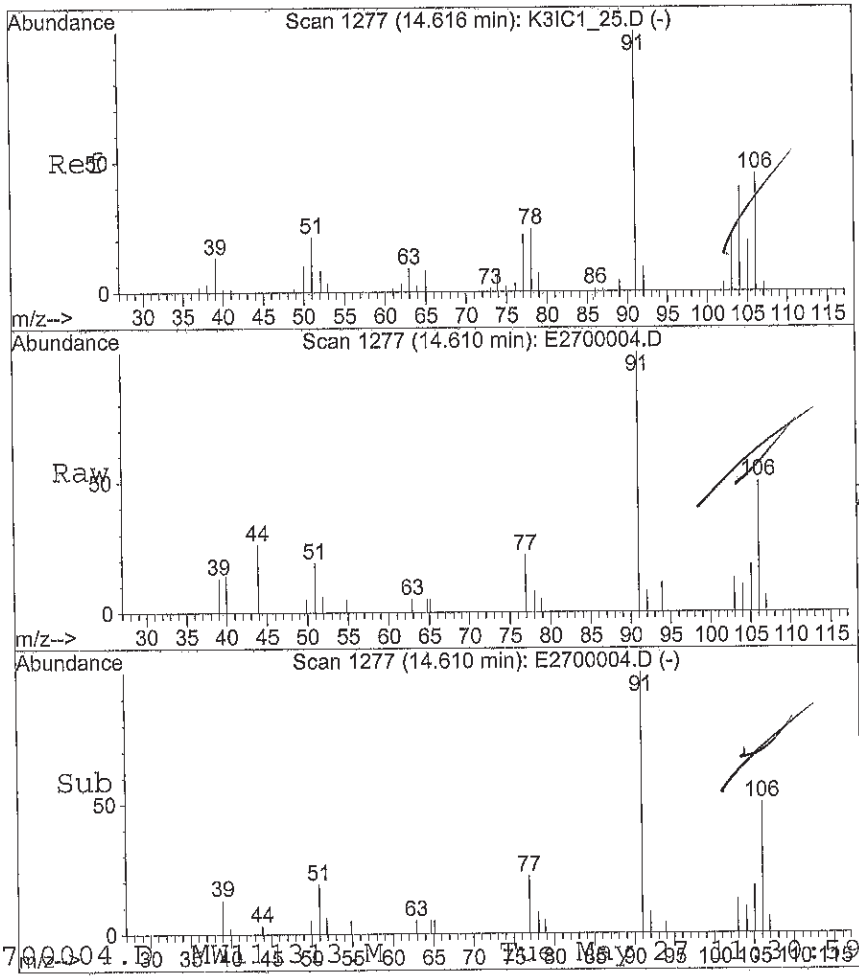


#52
m,p-Xylenes
Concen: 2.85 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:106 Resp: 20727

Ion	Ratio	Lower	Upper
106	100		
91	216.6	177.1	265.7

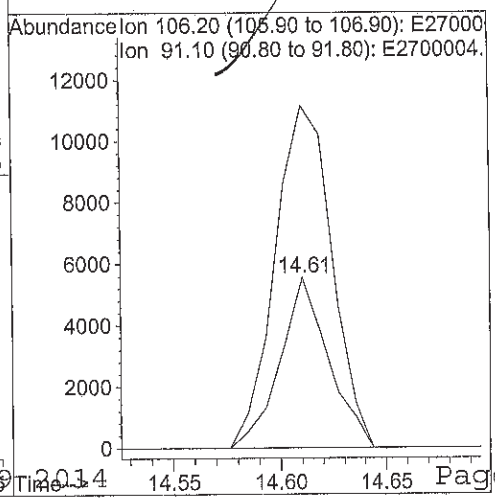


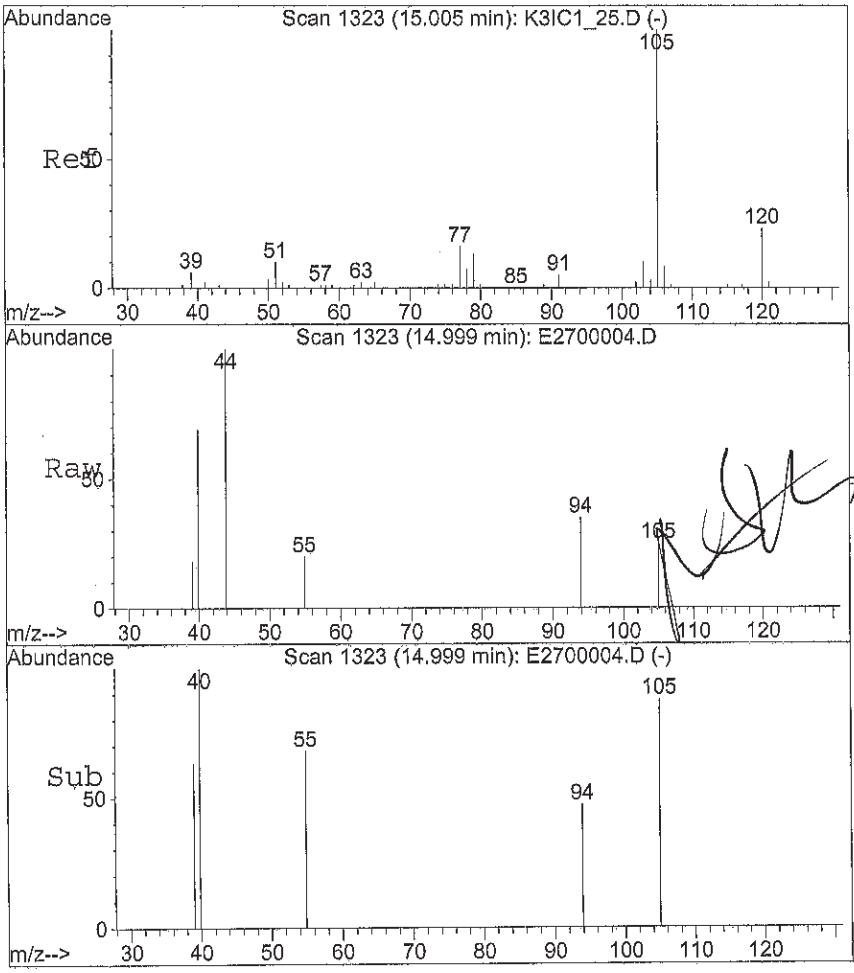


#53
o-Xylene
Concen: 1.22 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:106 Resp: 8783

Ion	Ratio	Lower	Upper
106	100		
91	235.4	179.0	268.6

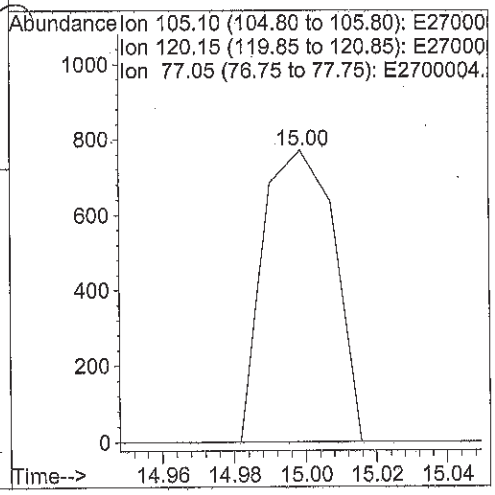


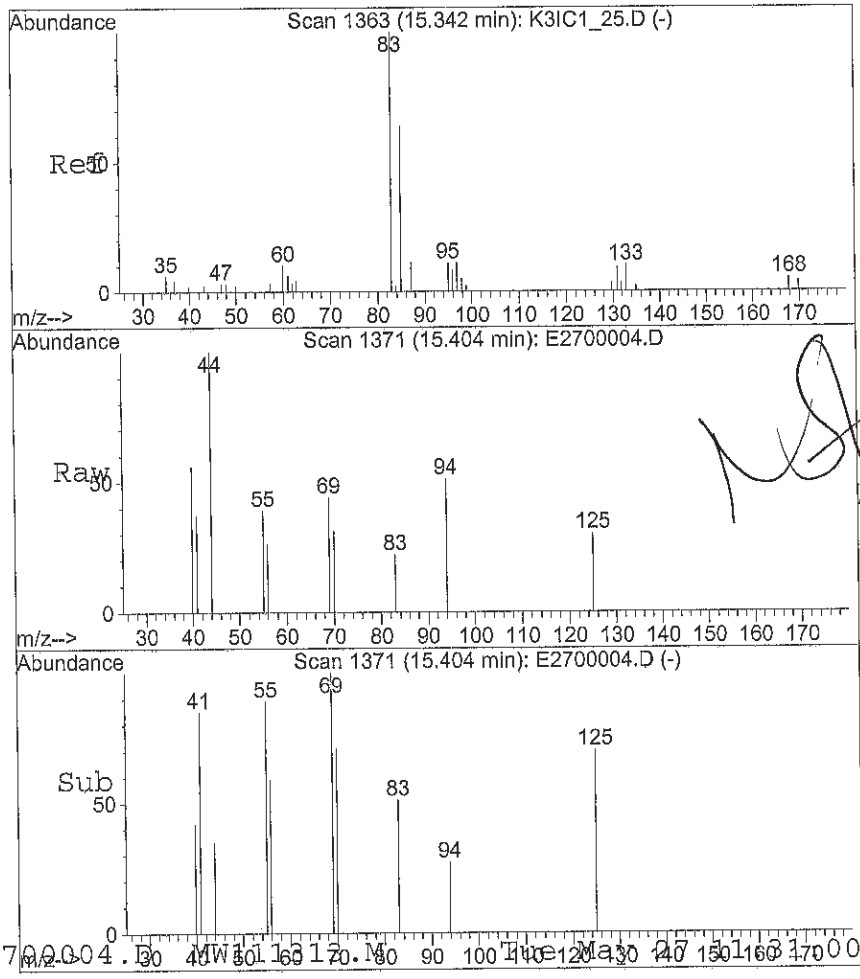


#56
Isopropylbenzene
Concen: 0.05 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:105 Resp: 1060

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

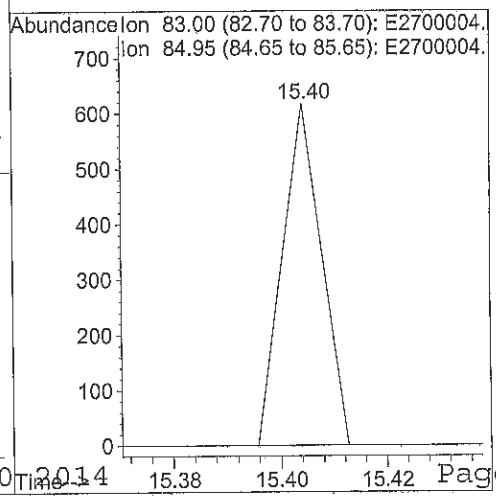


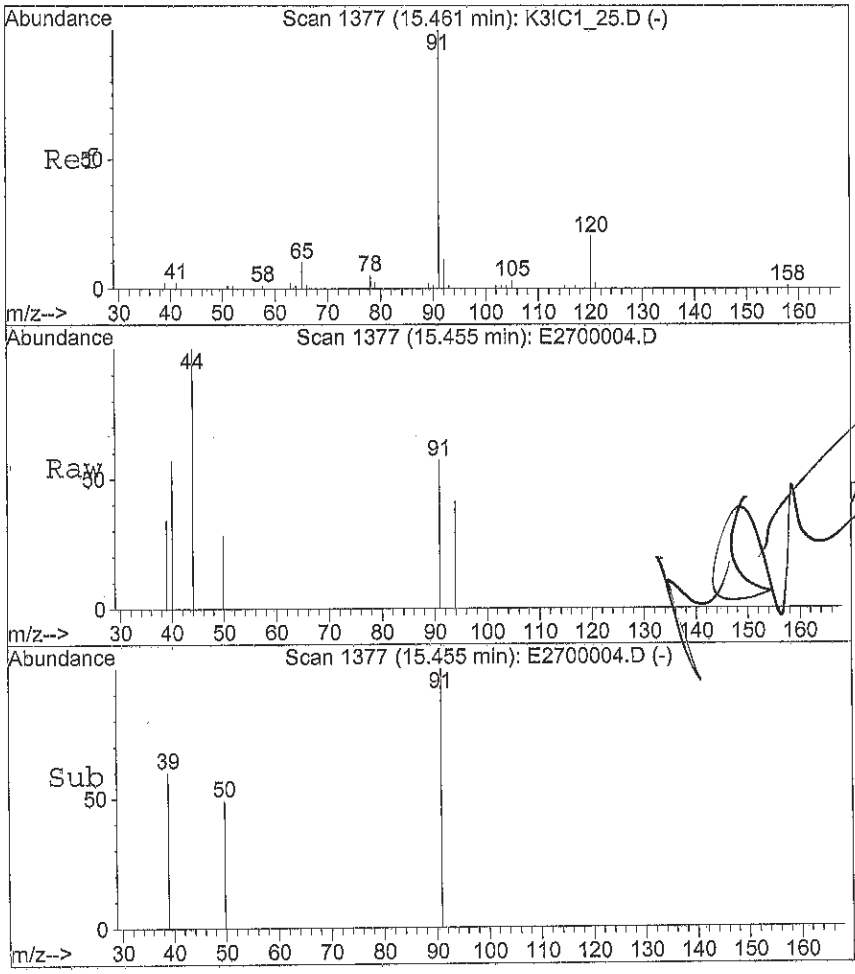


#60
1,1,2,2-Tetrachloroethane
Concen: 0.06 ug/L
RT: 15.40 min Scan# 1371
Delta R.T. 0.06 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 83 Resp: 313

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.2	76.8#

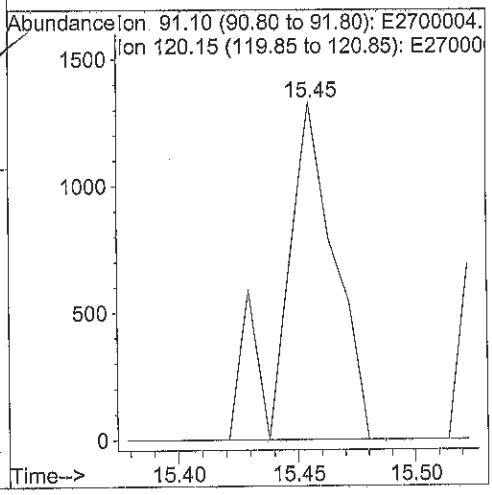


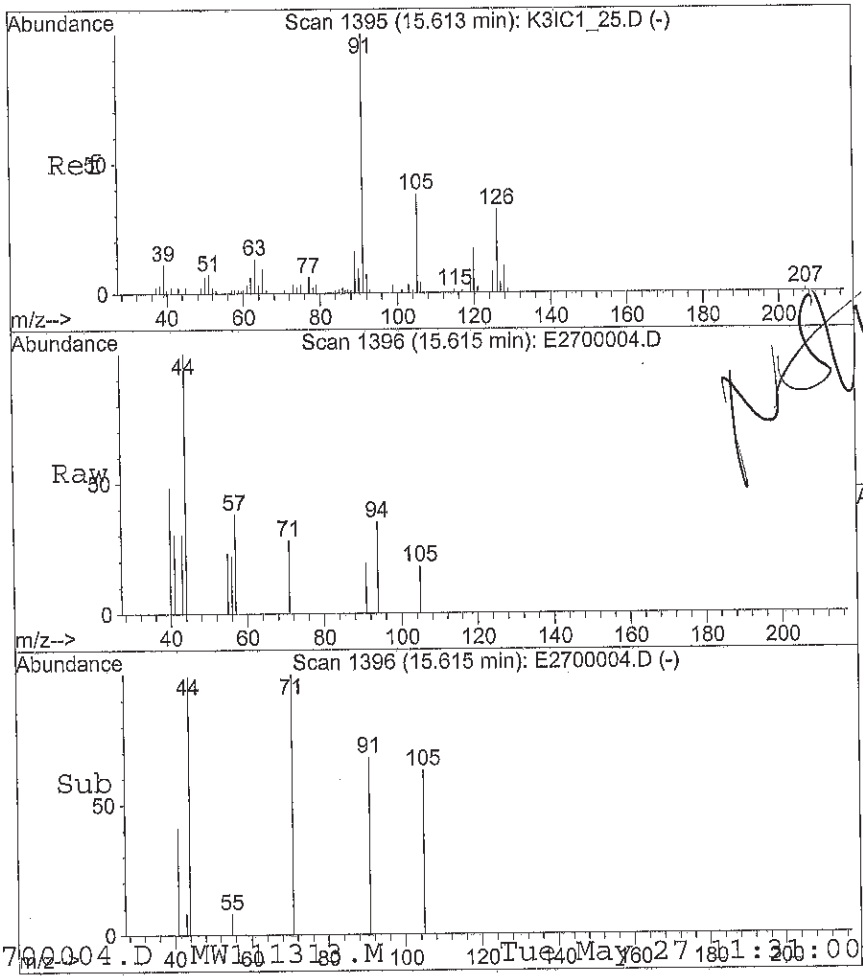


#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91 Resp: 1988

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

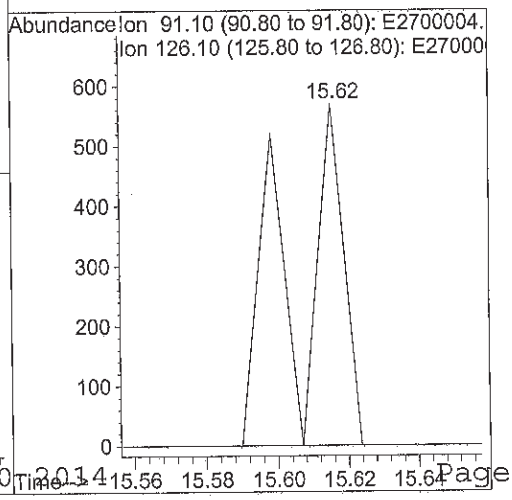


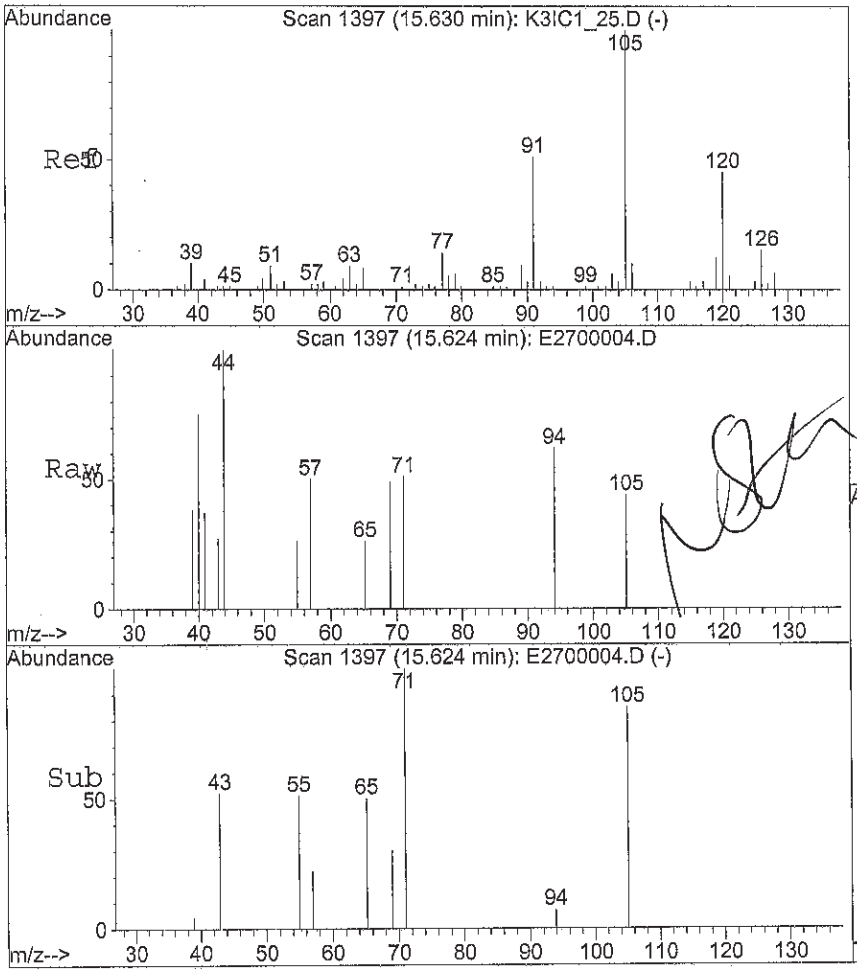


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. 0.00 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91 Resp: 552

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

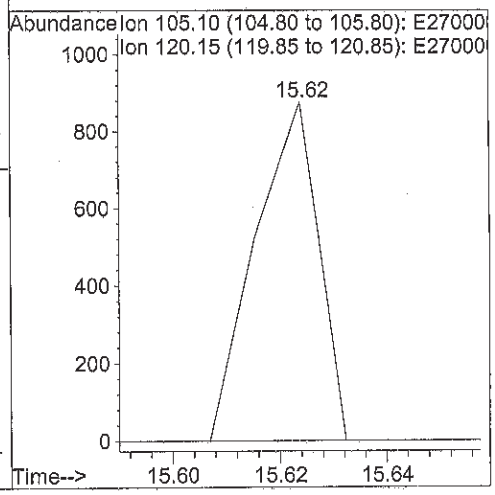


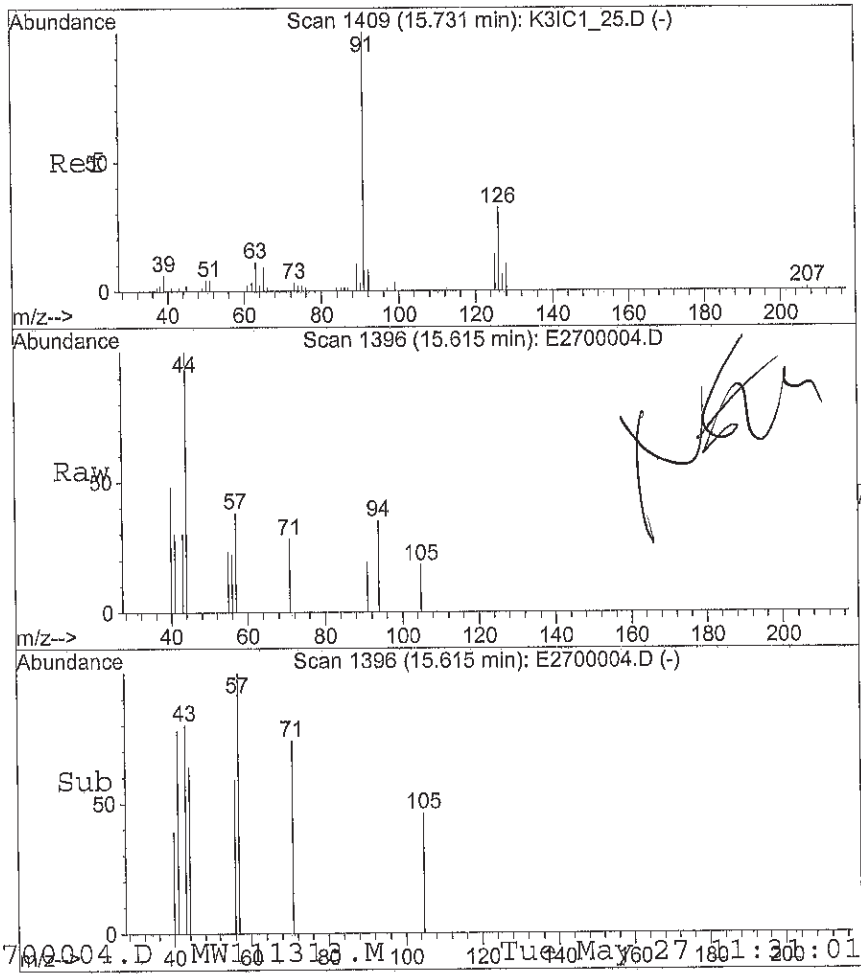


#64
1,3,5-Trimethylbenzene
Concen: 0.04 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:105 Resp: 710

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

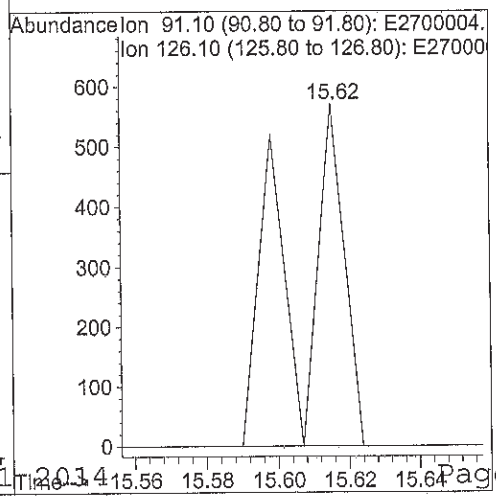


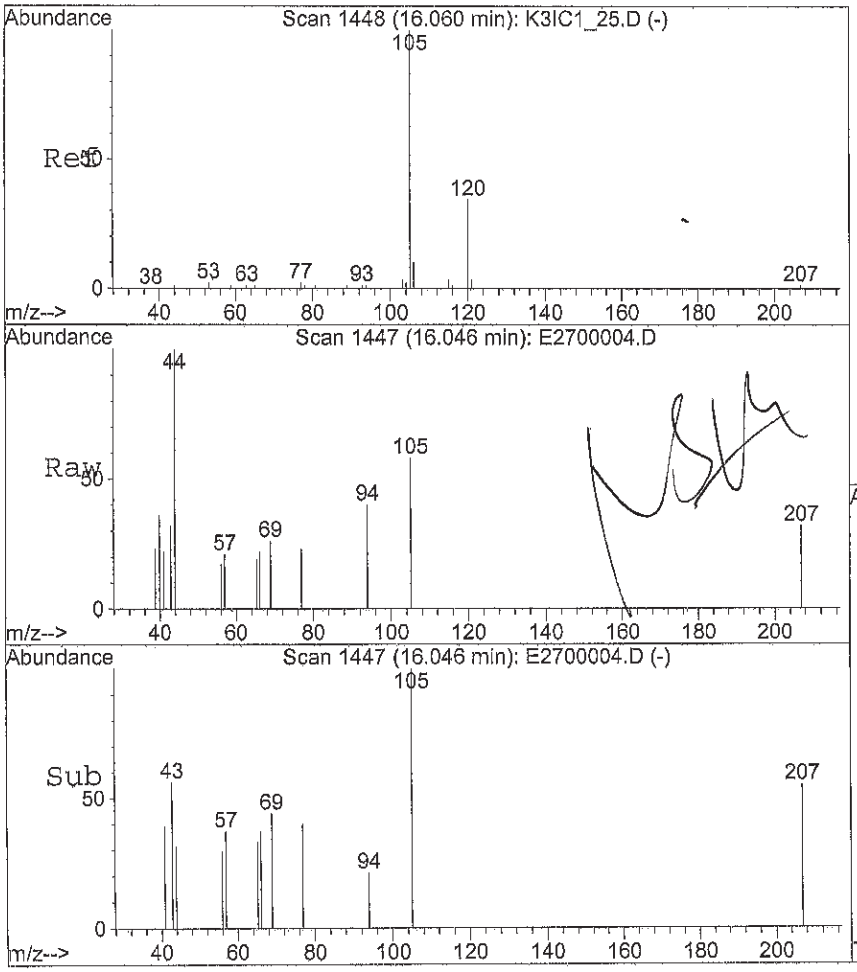


#65
4-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.12 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91 Resp: 552

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

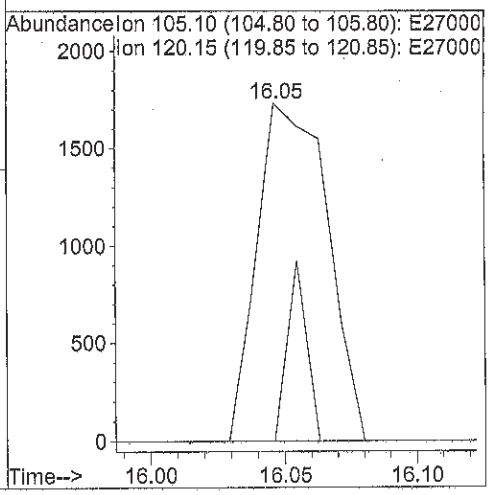


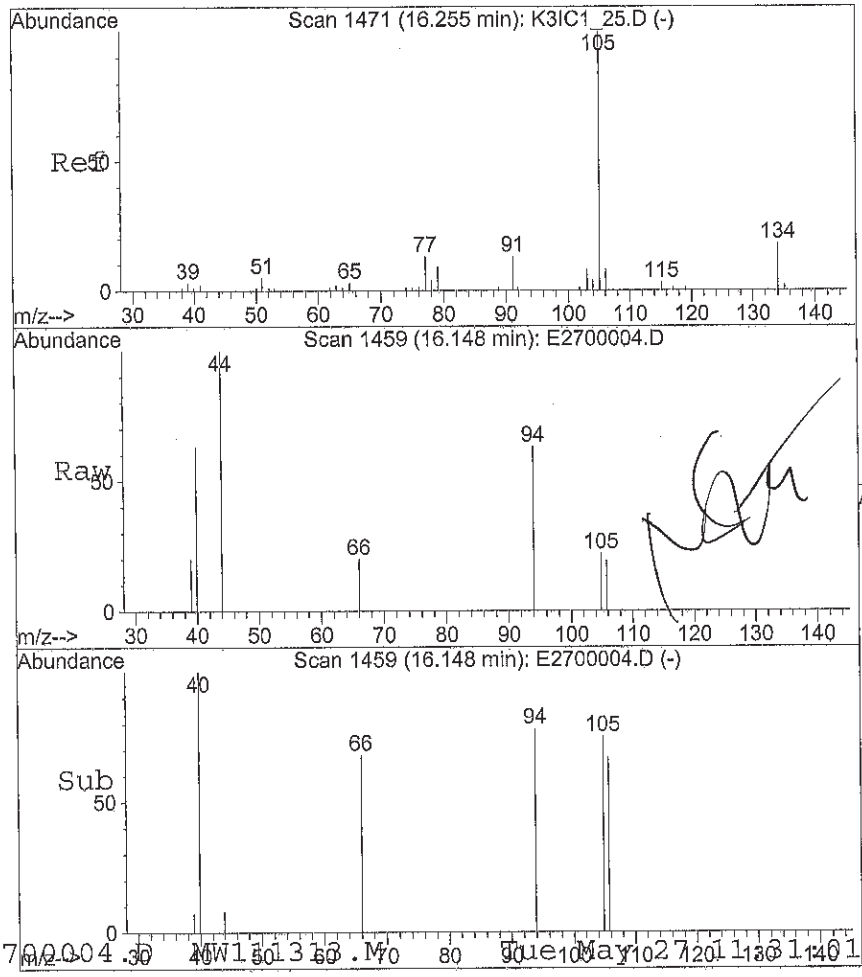


#67
1,2,4-Trimethylbenzene
Concen: 0.17 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:105 Resp: 3152

Ion	Ratio	Lower	Upper
105	100		
120	14.8	33.8	50.8#

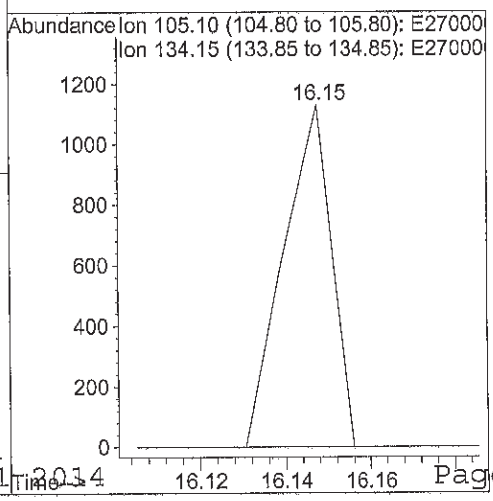


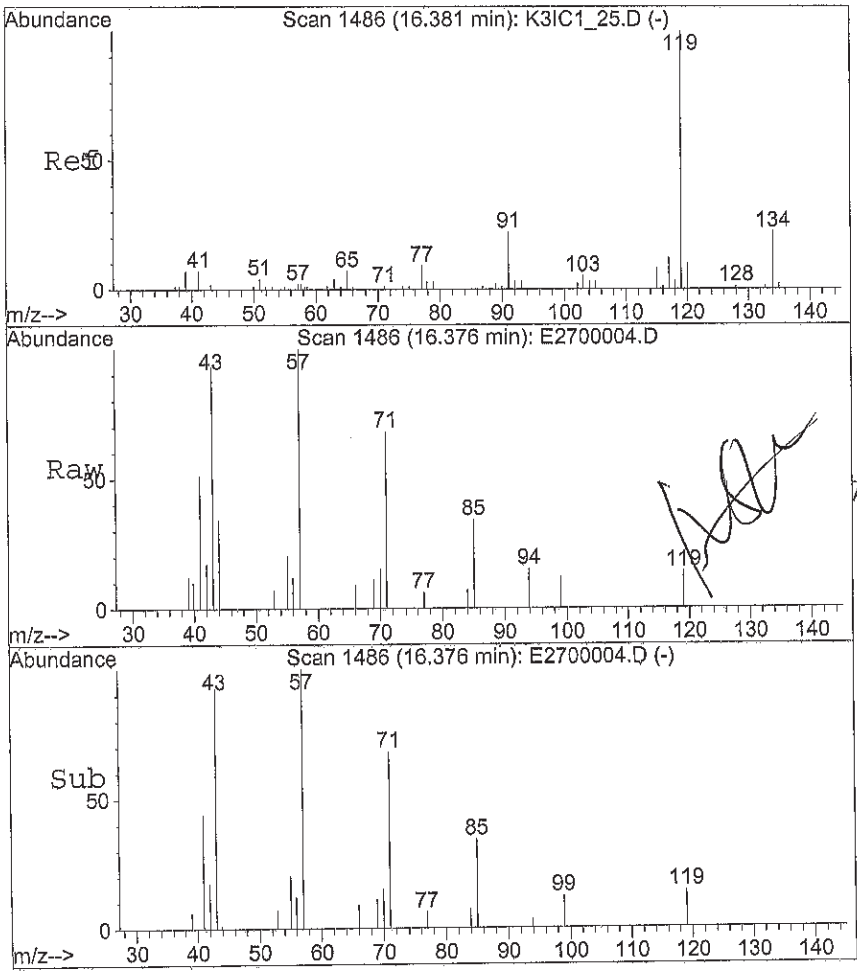


#68
sec-Butylbenzene
Concen: 0.04 ug/L
RT: 16.15 min Scan# 1459
Delta R.T. -0.11 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion:105 Resp: 883

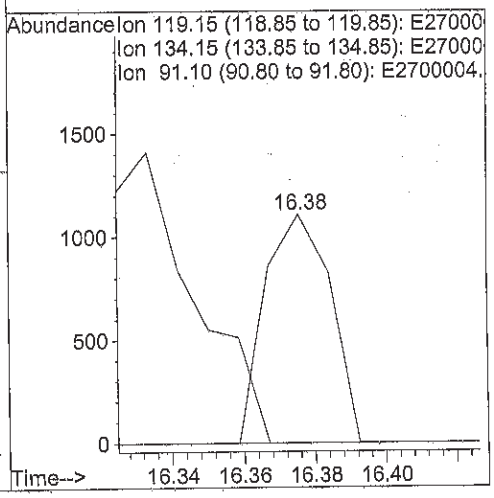
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

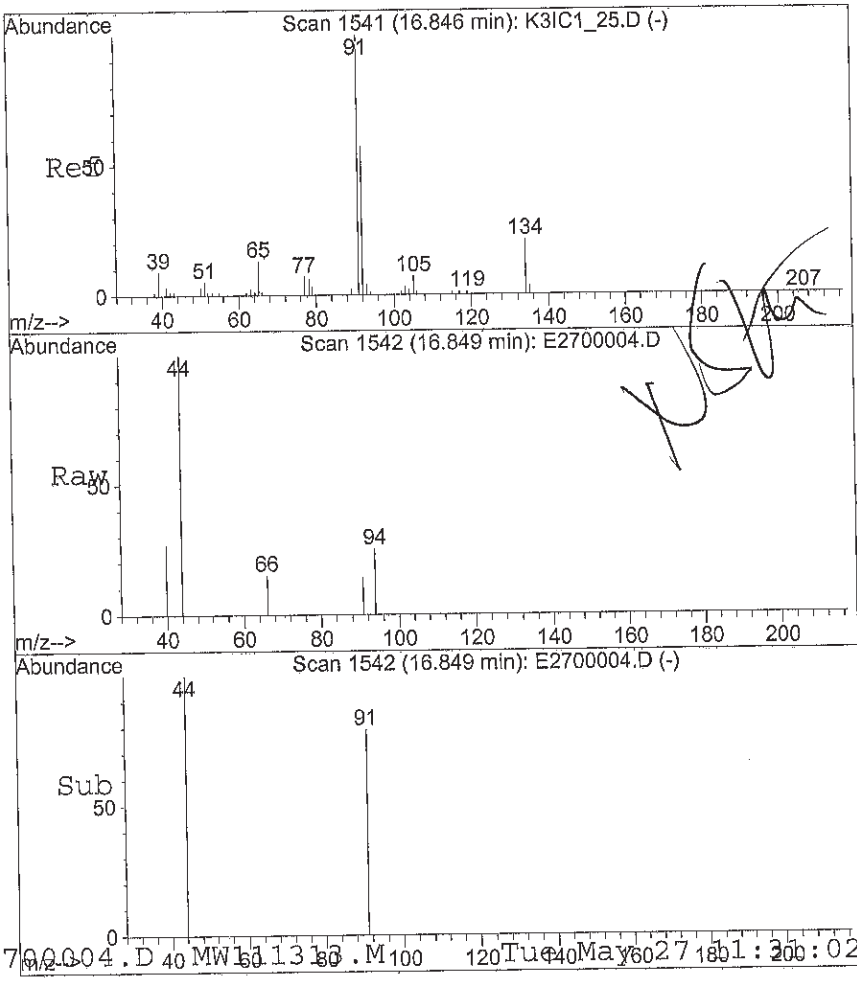




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

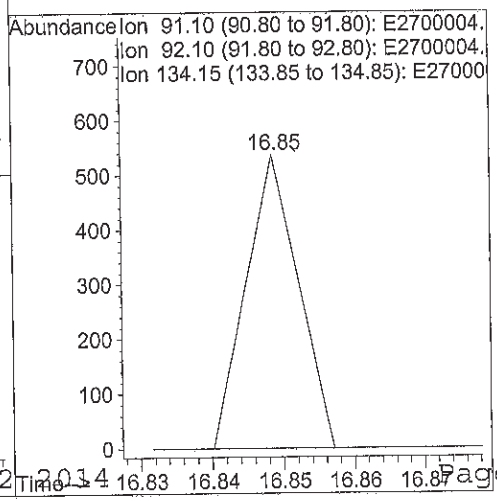
Tgt Ion:119	Resp:	1416	
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

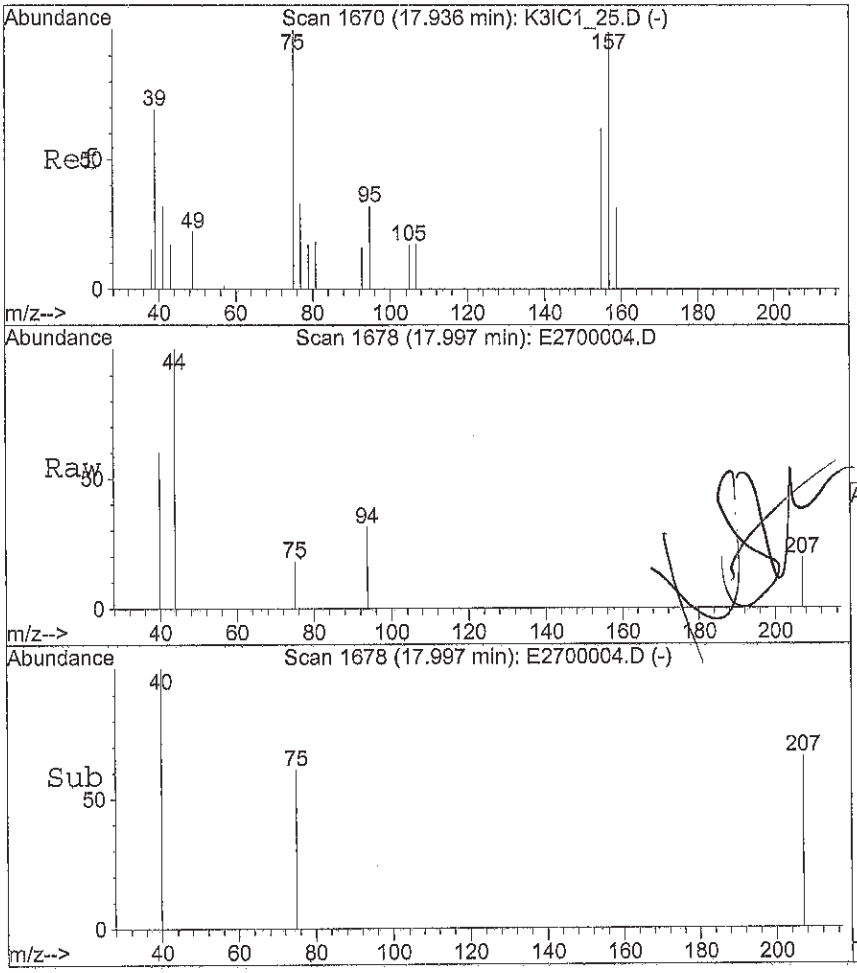




#72
n-Butylbenzene
Concen: 0.01 ug/L
RT: 16.85 min Scan# 1542
Delta R.T. 0.00 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 91	Resp:	272	
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#

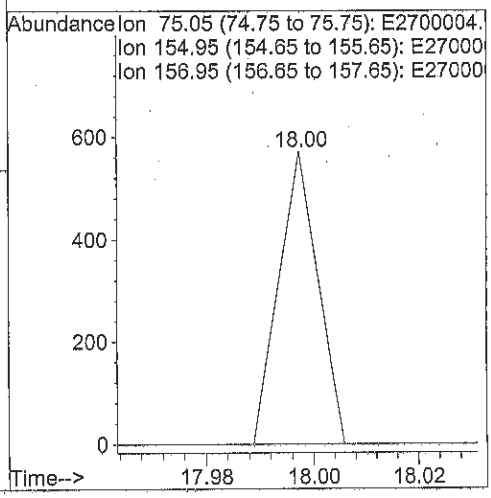




#74
1,2-Dibromo-3-chloropropane
Concen: 1.23 ug/L
RT: 18.00 min Scan# 1678
Delta R.T. 0.06 min
Lab File: E2700004.D
Acq: 27 May 2014 10:57 am

Tgt Ion: 75 Resp: 289

Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700004.D Vial: 3
Acq On : 27 May 2014 10:57 am Operator: DN
Sample : 3E42701-03 Inst : GC/MS Ins
Misc : 100cc SVL-802-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:30 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1745598	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.91	117	1321241	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	716932	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	499272	11.00	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 88.00%			
3) Chloroform-d (SU6)	9.18	84	793910	12.19	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 97.52%			
4) Methylene Chloride-d2 (SU5	7.07	86	460082	12.08	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 96.64%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	500264	16.12	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 128.96%#			
6) Benzene-d6 (SU7)	9.92	84	1534938	11.21	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.68%			
8) Toluene-d8 (SU3)	12.20	98	1522306	12.14	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.12%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	713995	13.80	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.40%			

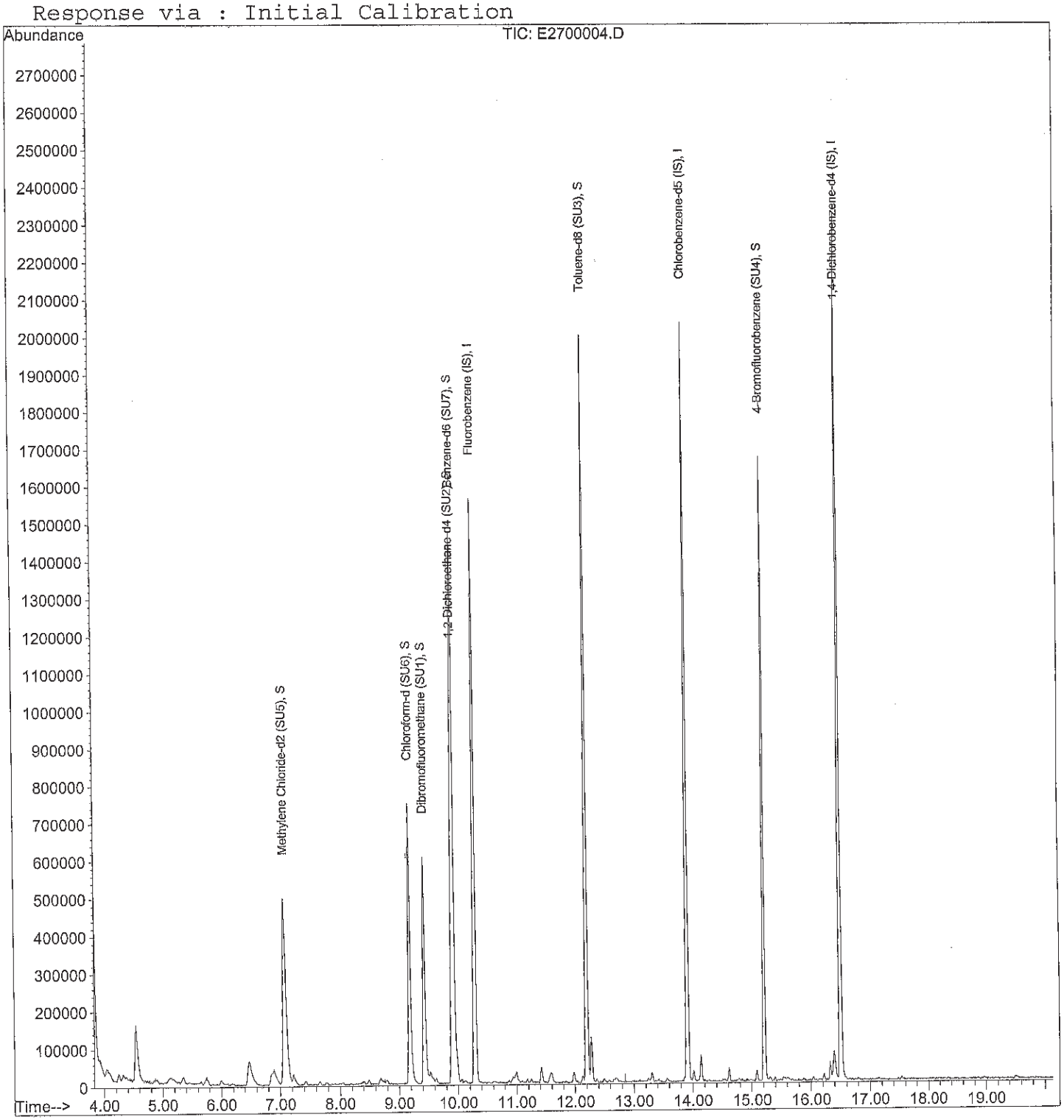
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700004.D Vial: 3
Acq On : 27 May 2014 10:57 am Operator: DN
Sample : 3E42701-03 Inst : GC/MS Ins
Misc : 100cc SVL-802-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:30 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700005.D Vial: 4
Acq On : 27 May 2014 11:32 am Operator: DN
Sample : 3E42701-04 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-13.0-14.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1913339	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1437327	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	745284	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	533258	11.17	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.36%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	505491	11.14	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.12%			
39) Toluene-d8 (SU3)	12.20	98	1639551	12.23	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.84%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	764175	13.00	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 104.00%			
Target Compounds						Qvalue
4) Chloromethane	4.39	50	1519	-0.75	~~ug/L~~ #	41
6) Bromomethane	5.11	96	4949	0.57	~~ug/L~~	93
7) Chloroethane	5.15	64	1933	1.90	~~ug/L~~	94
11) Acetone	6.45	58	19721	25.28	~~ug/L~~	81
12) (IPA) Leak Check Compound	6.47	45	97295	423.18	~~ug/L~~ #	94
13) Carbon disulfide	6.85	76	8578	0.54	~~ug/L~~ #	76
14) Methylene Chloride	7.07	84	5435	1.03	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.93	59	935	2.87	~~ug/L~~ #	77
21) (MEK) 2-Butanone	8.78	72	1310	2.44	~~ug/L~~ #	1
24) Chloroform	9.22	83	673	0.07	~~ug/L~~ #	18
31) Benzene	10.00	78	828	0.05	~~ug/L~~ #	27
32) 1,2-Dichloroethane	9.92	62	6852	1.08	~~ug/L~~ #	1
35) Dibromomethane	11.00	93	328	0.10	~~ug/L~~ #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8397	2.93	~~ug/L~~ #	100
41) Toluene	12.29	91	11160	0.57	ug/L	99
46) 2-Hexanone	12.95	43	1151	0.37	~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	5010	0.22	ug/L #	82
52) m,p-Xylenes	14.15	106	4256	0.54	ug/L	85
53) o-Xylene	14.61	106	1809	0.23	ug/L #	29
54) Styrene	14.62	104	2629	-0.64	~~ug/L~~ #	76
56) Isopropylbenzene	15.01	105	634	0.03	~~ug/L~~ #	55
62) n-Propylbenzene	15.45	91	606	0.02	~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700005.D Vial: 4
Acq On : 27 May 2014 11:32 am Operator: DN
Sample : 3E42701-04 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-13.0-14.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:54 19114 Quant Results File: MW111313.RES

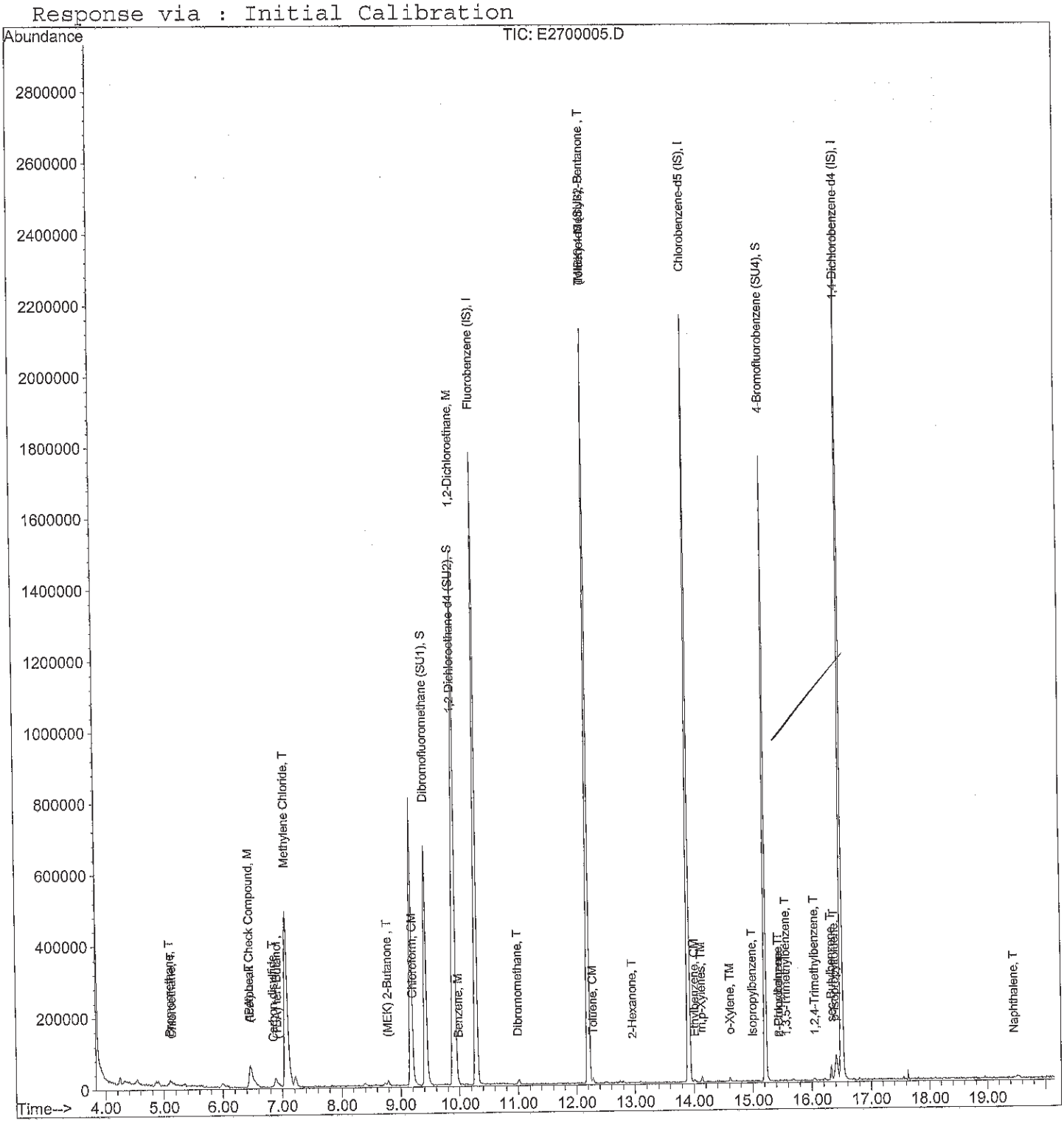
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

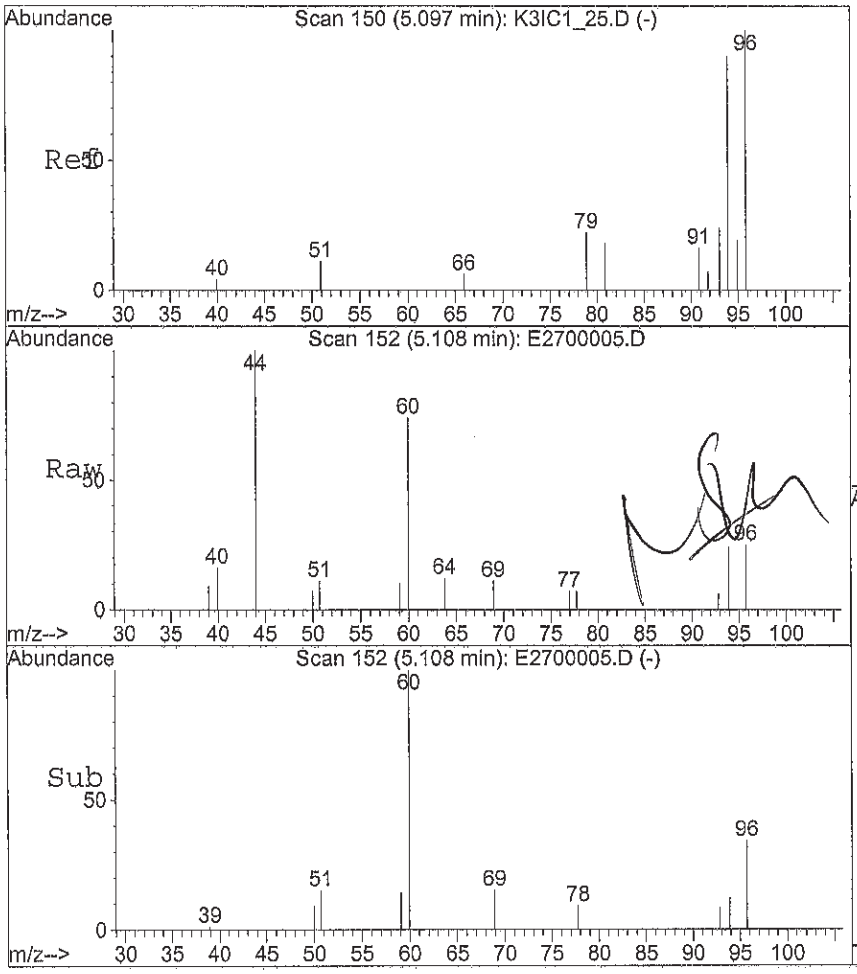
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63) 2-Chlorotoluene	15.45	91	606	0.03	~~ug/L~~	#	45
64) 1,3,5-Trimethylbenzene	15.56	105	940	0.05	~~ug/L~~	#	31
67) 1,2,4-Trimethylbenzene	16.05	105	2022	0.10	ug/L	#	33
68) sec-Butylbenzene	16.33	105	298	0.01	ug/L	#	62
69) p-Isopropyltoluene	16.38	119	345	0.02	~~ug/L~~	#	52
77) Naphthalene	19.46	128	509	0.03	~~ug/L~~		100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700005.D Vial: 4
Acq On : 27 May 2014 11:32 am Operator: DN
Sample : 3E42701-04 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-13.0-14.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:54 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

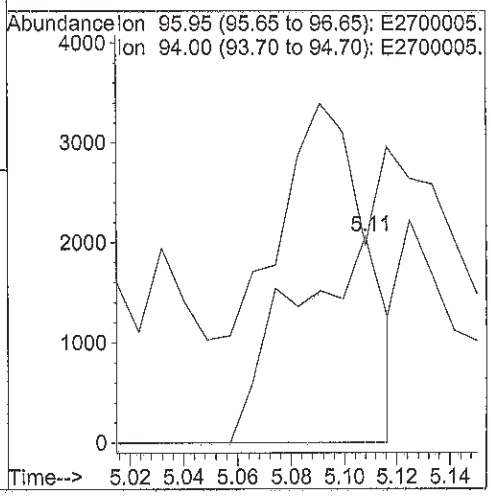


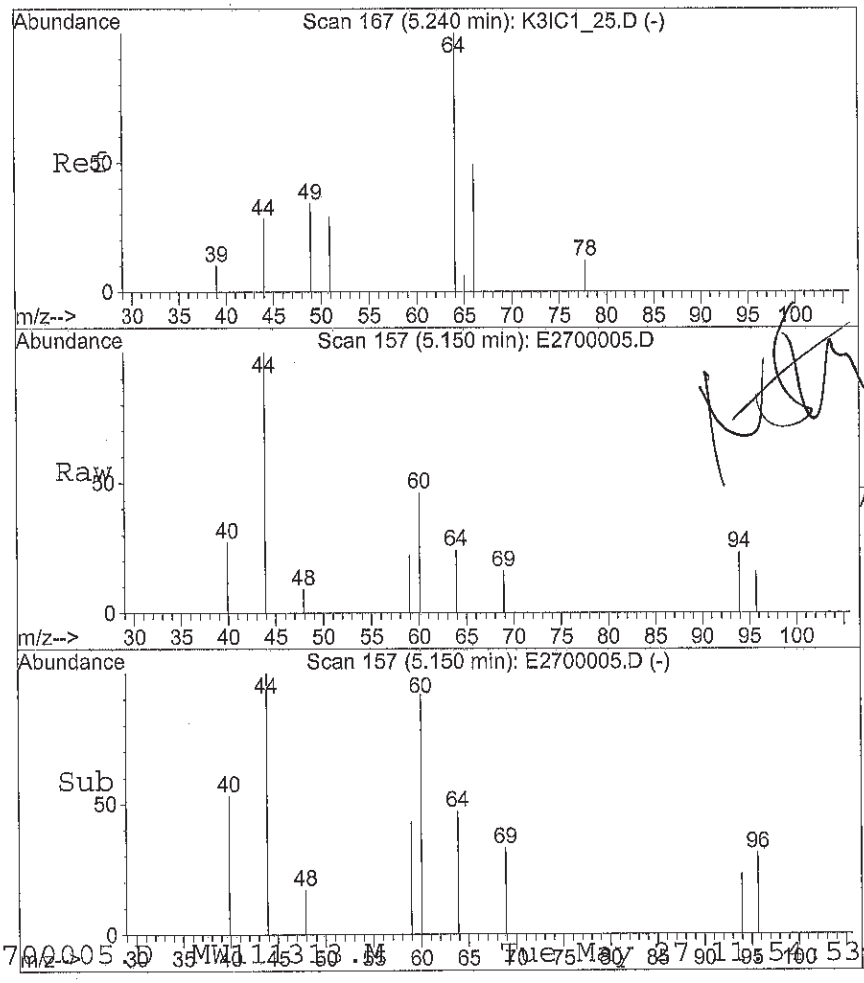


#6
Bromomethane
Concen: 0.57 ug/L
RT: 5.11 min Scan# 152
Delta R.T. 0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 96 Resp: 4949

Ion	Ratio	Lower	Upper
96	100		
94	134.6	101.0	151.4

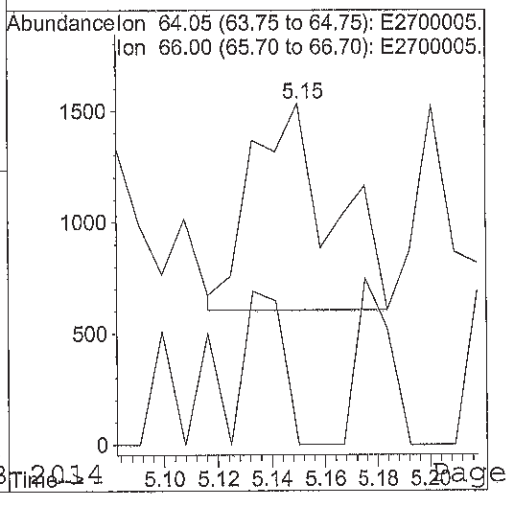


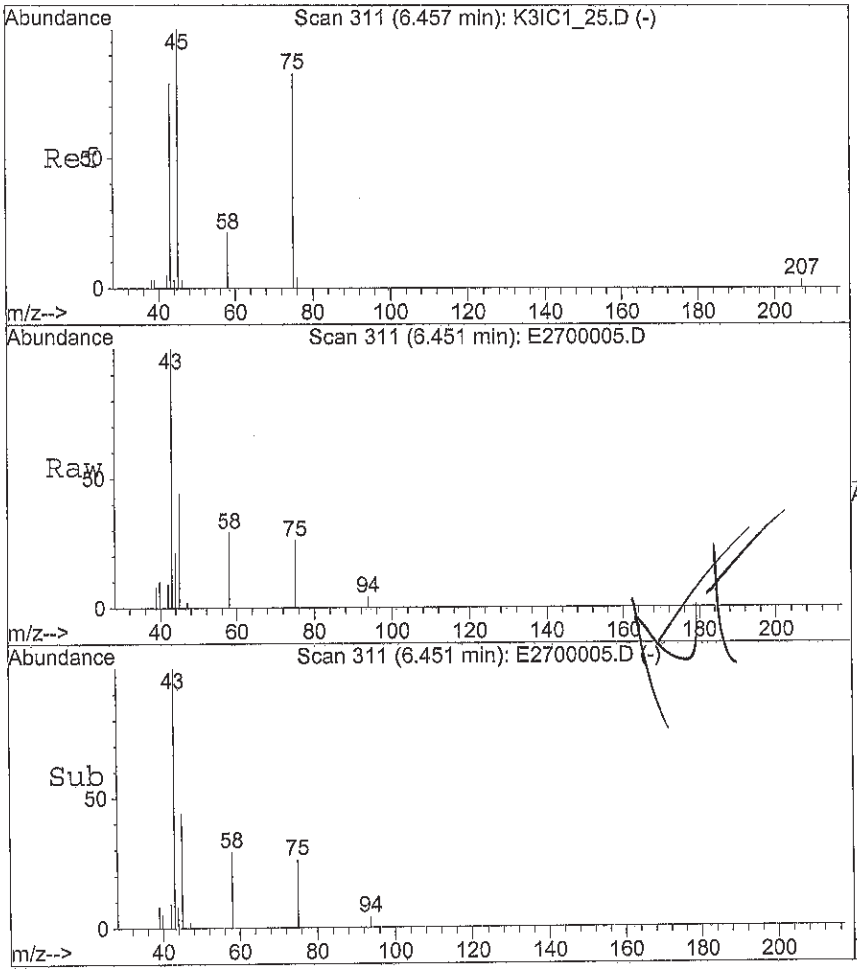


#7
Chloroethane
Concen: 1.90 ug/L
RT: 5.15 min Scan# 157
Delta R.T. -0.09 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 64 Resp: 1933

Ion	Ratio	Lower	Upper
64	100		
66	48.2	35.4	53.0

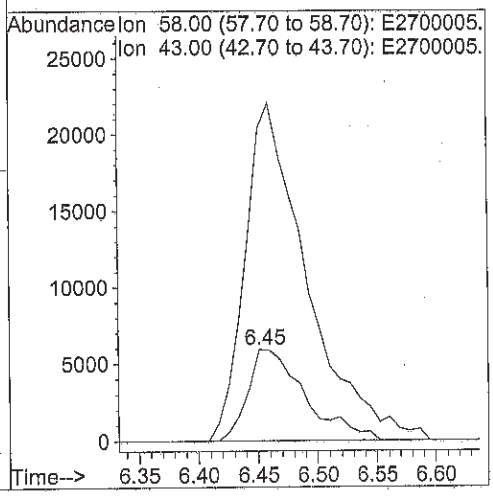


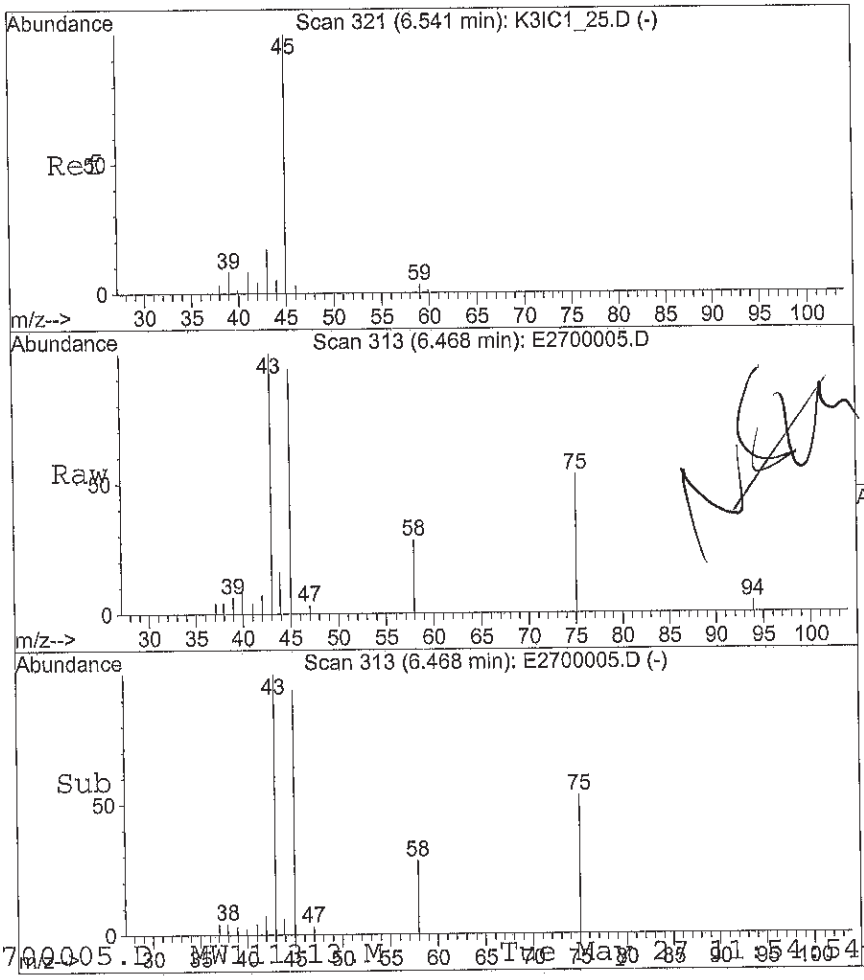


#11
Acetone
Concen: 25.28 ug/L
RT: 6.45 min Scan# 311
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 58 Resp: 19721

Ion	Ratio	Lower	Upper
58	100		
43	402.6	360.9	541.3

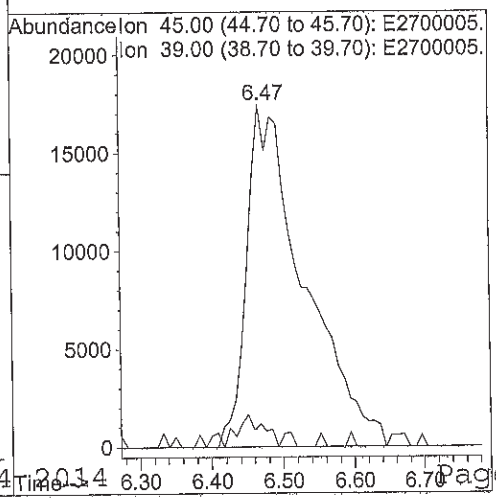


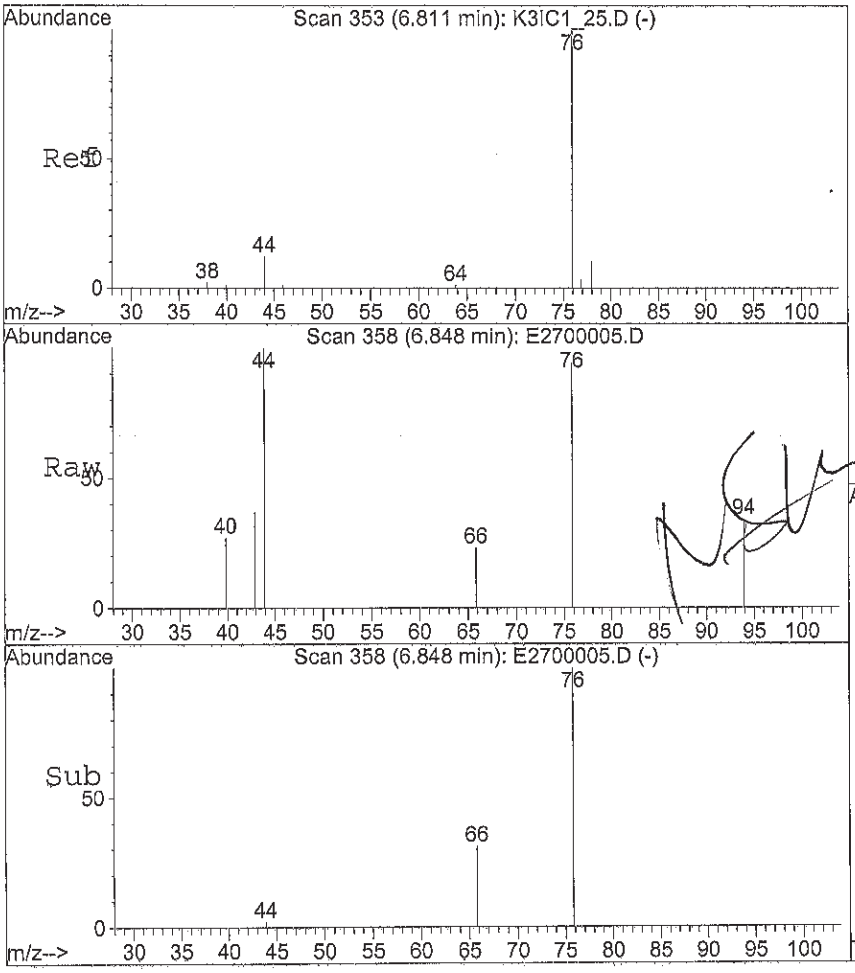


#12
(IPA) Leak Check Compound
Concen: 423.18 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 45 Resp: 97295

Ion	Ratio	Lower	Upper
45	100		
39	4.2	4.9	7.3#

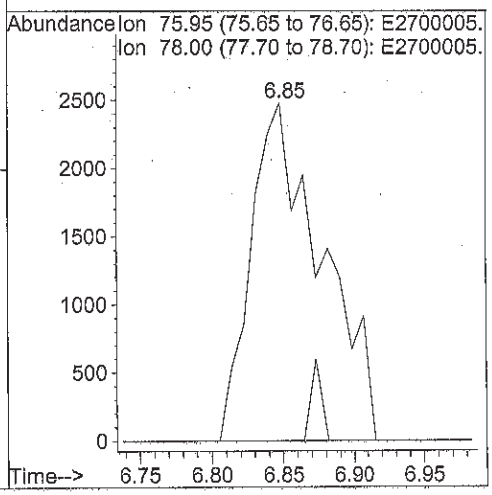


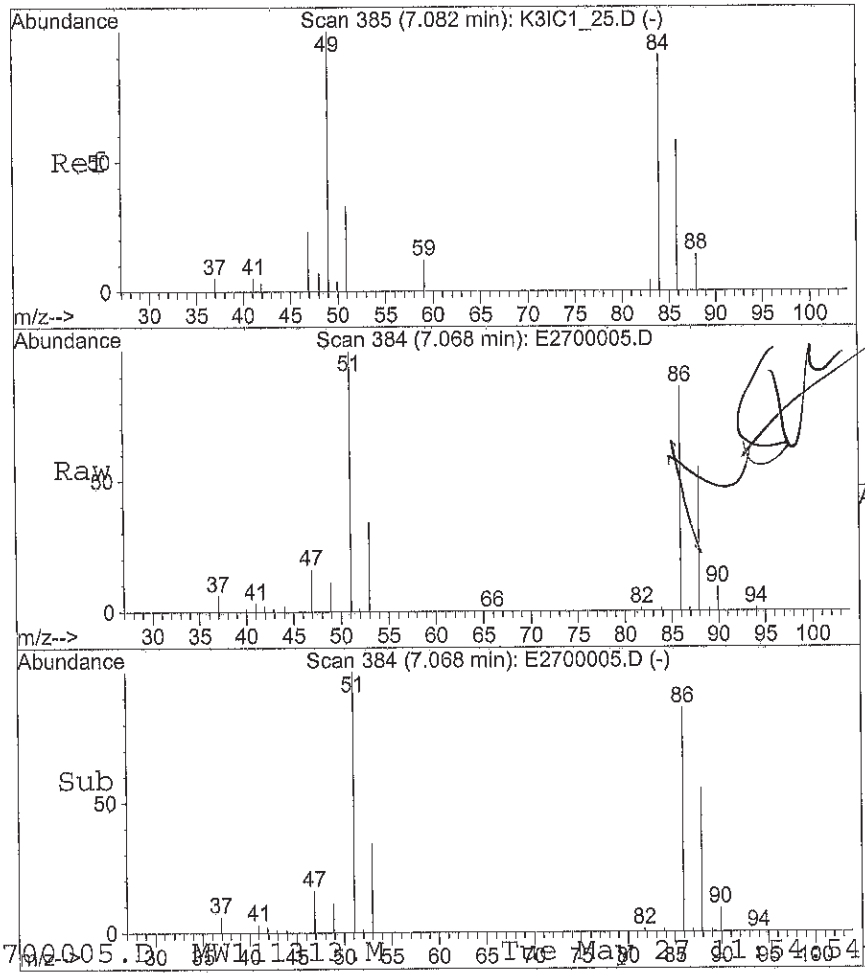


#13
Carbon disulfide
Concen: 0.54 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 76 Resp: 8578

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

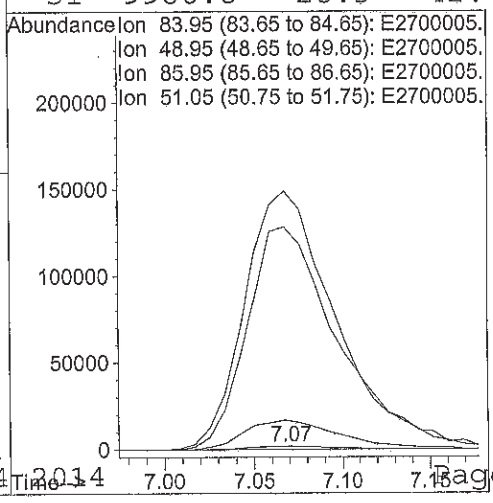


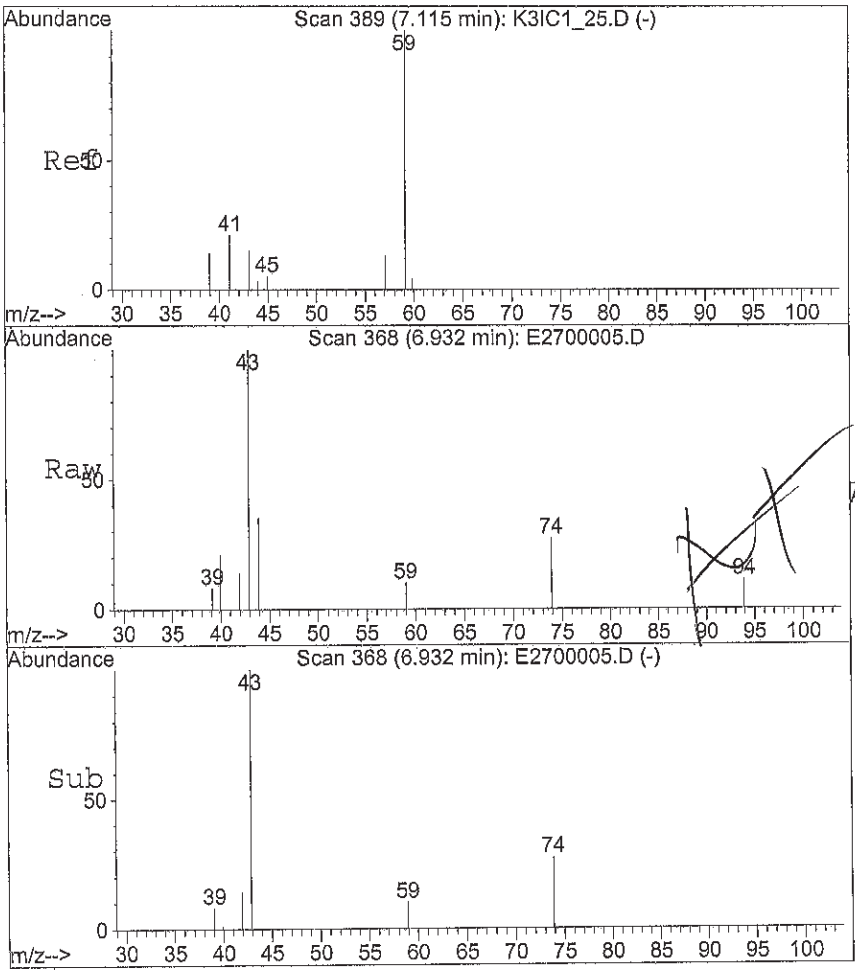


#14
Methylene Chloride
Concen: 1.03 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 84 Resp: 5435

Ion	Ratio	Lower	Upper
84	100		
49	1139.2	89.8	134.6#
86	8467.7	51.1	76.7#
51	9986.8	28.5	42.7#

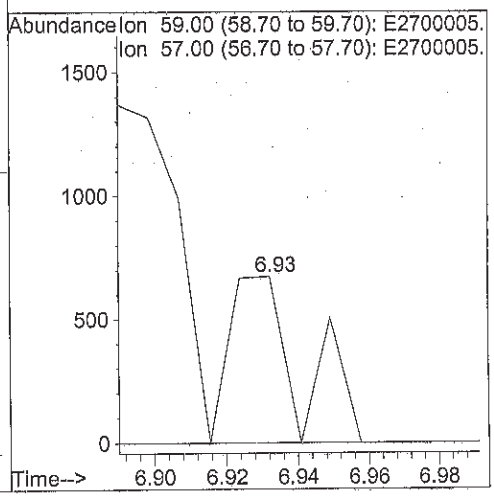


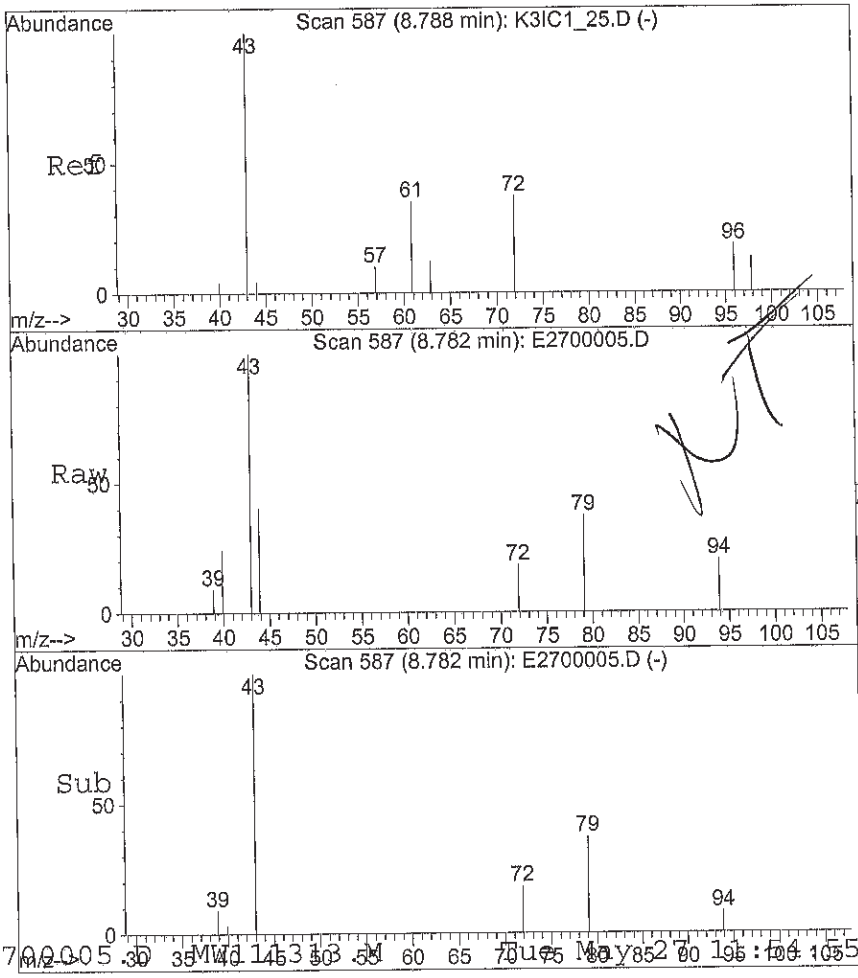


#15
(TBA) tert-Butanol
Concen: 2.87 ug/L
RT: 6.93 min Scan# 368
Delta R.T. -0.18 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 59 Resp: 935

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

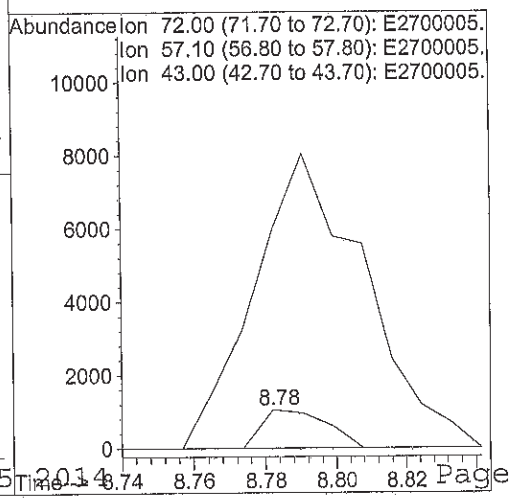


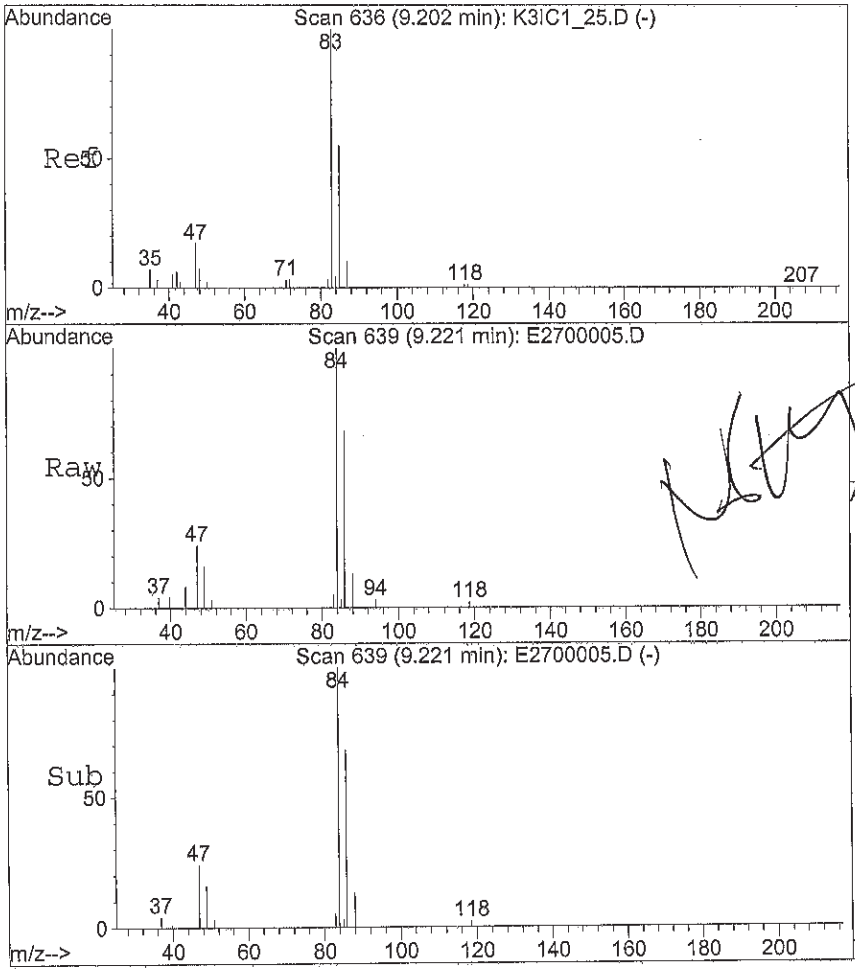


#21
(MEK) 2-Butanone
Concen: 2.44 ug/L
RT: 8.78 min Scan# 587
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 72 Resp: 1310

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	1335.3	314.2	471.2#

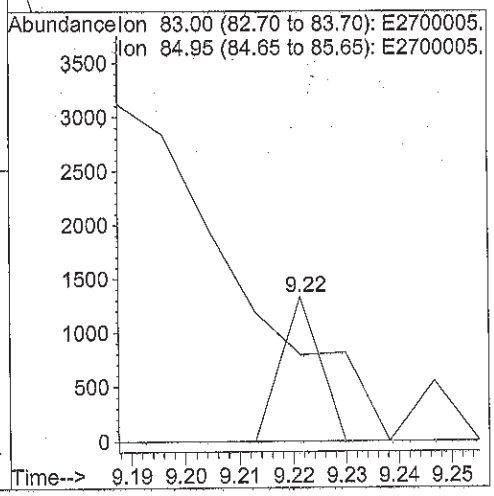


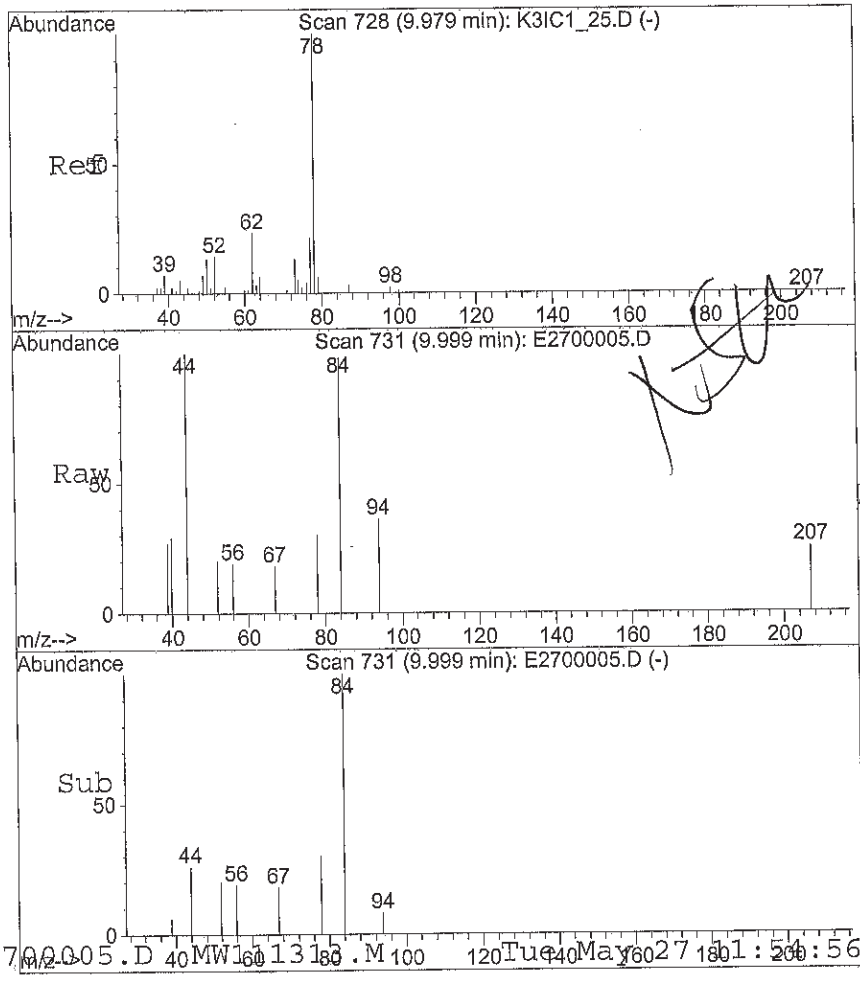


#24
Chloroform
Concen: 0.07 ug/L
RT: 9.22 min Scan# 639
Delta R.T. 0.02 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 83 Resp: 673

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

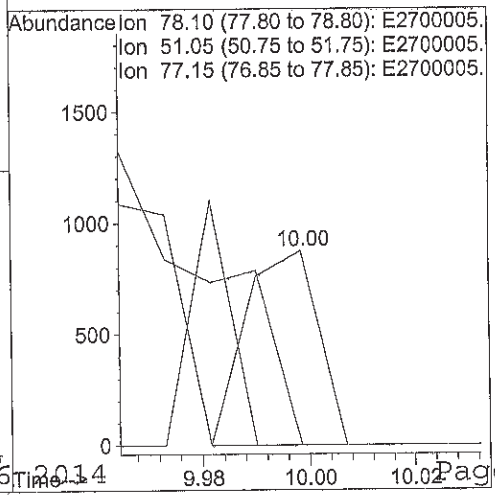


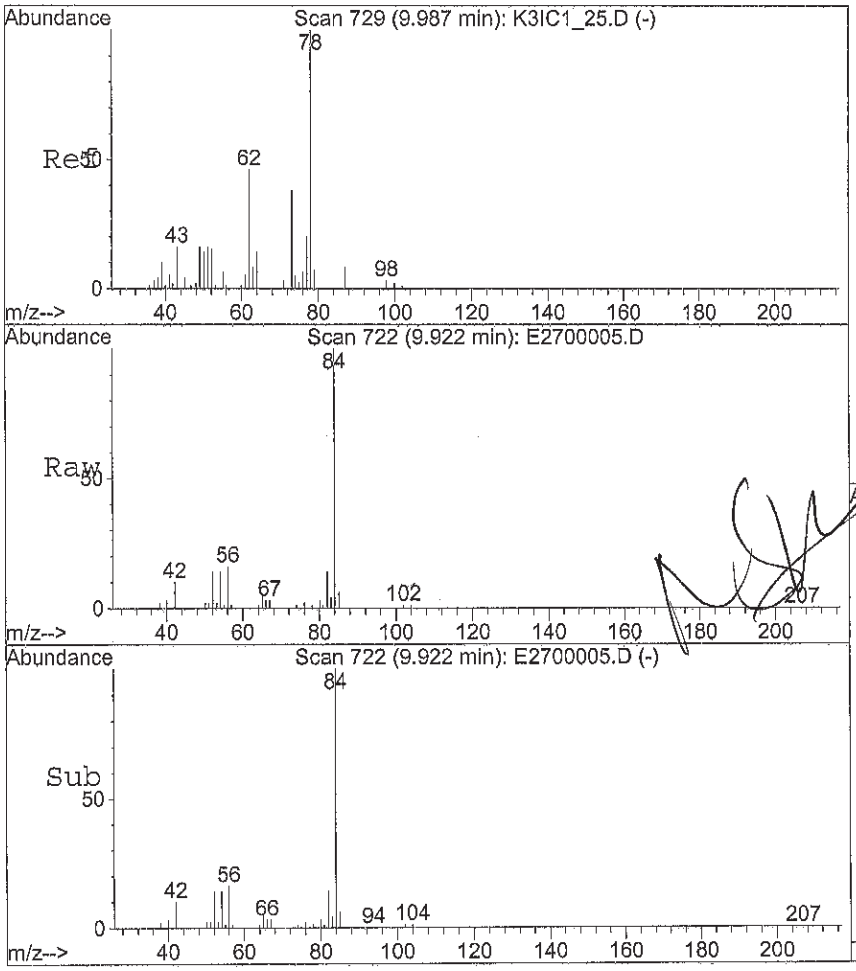


#31
Benzene
Concen: 0.05 ug/L
RT: 10.00 min Scan# 731
Delta R.T. 0.02 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 78 Resp: 828

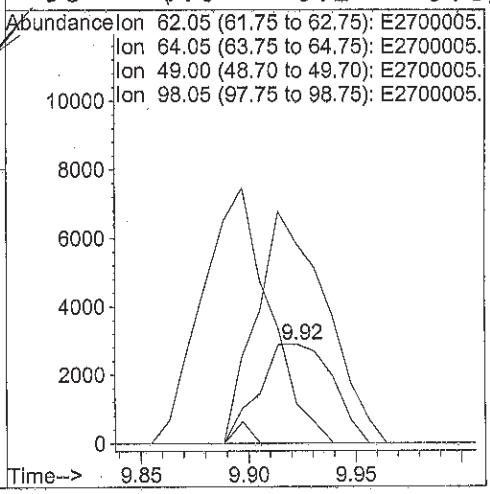
Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	67.4	16.6	24.8#

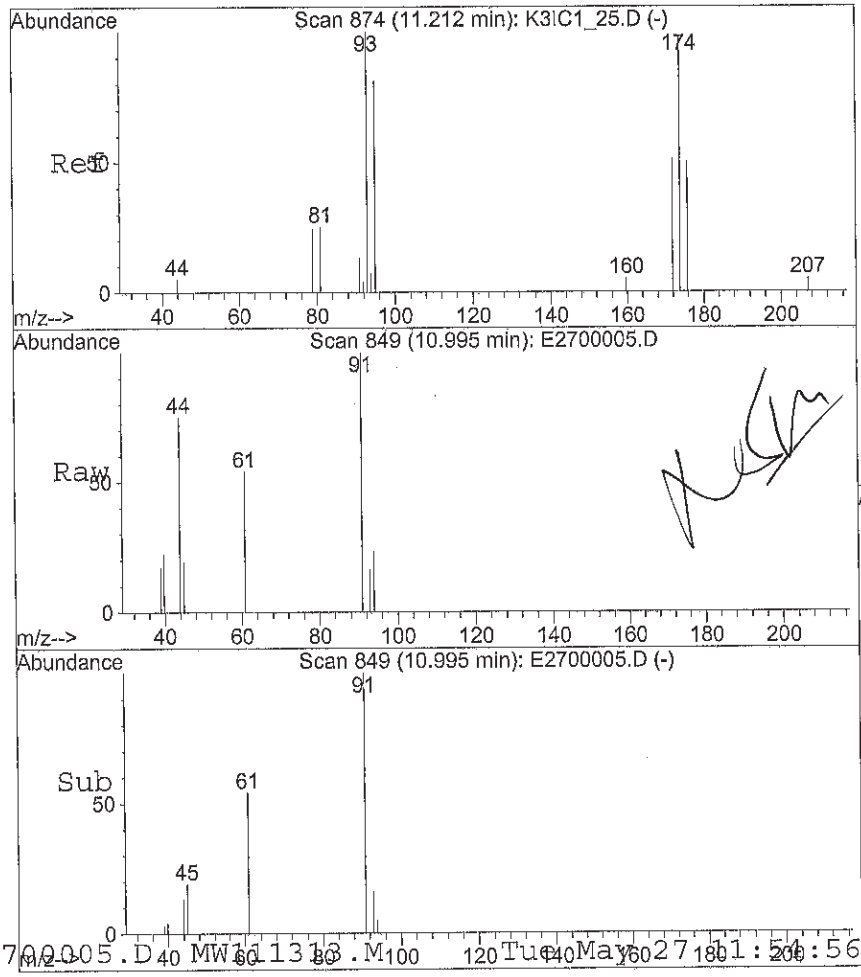




#32
1,2-Dichloroethane
Concen: 1.08 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

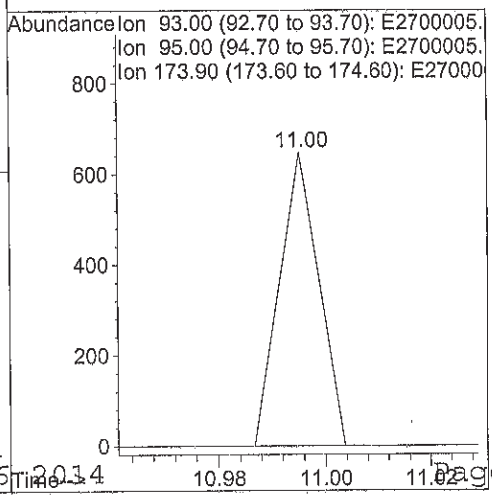
Tgt Ion: 62	Resp:	6852	
Ion	Ratio	Lower	Upper
62	100		
64	224.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

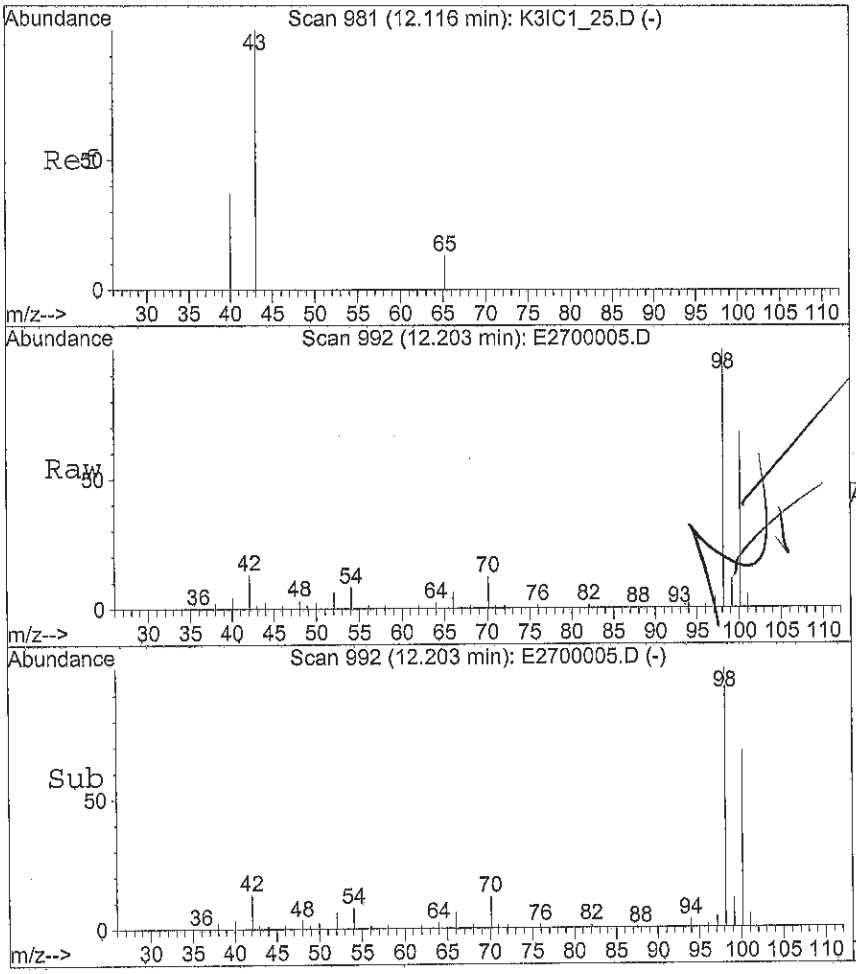




#35
Dibromomethane
Concen: 0.10 ug/L
RT: 11.00 min Scan# 849
Delta R.T. -0.22 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 93	Resp:	328	
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

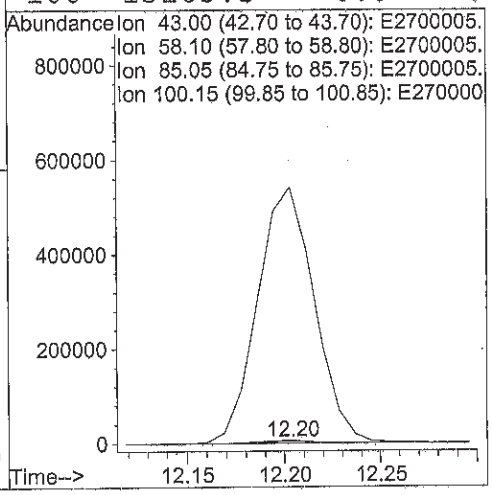


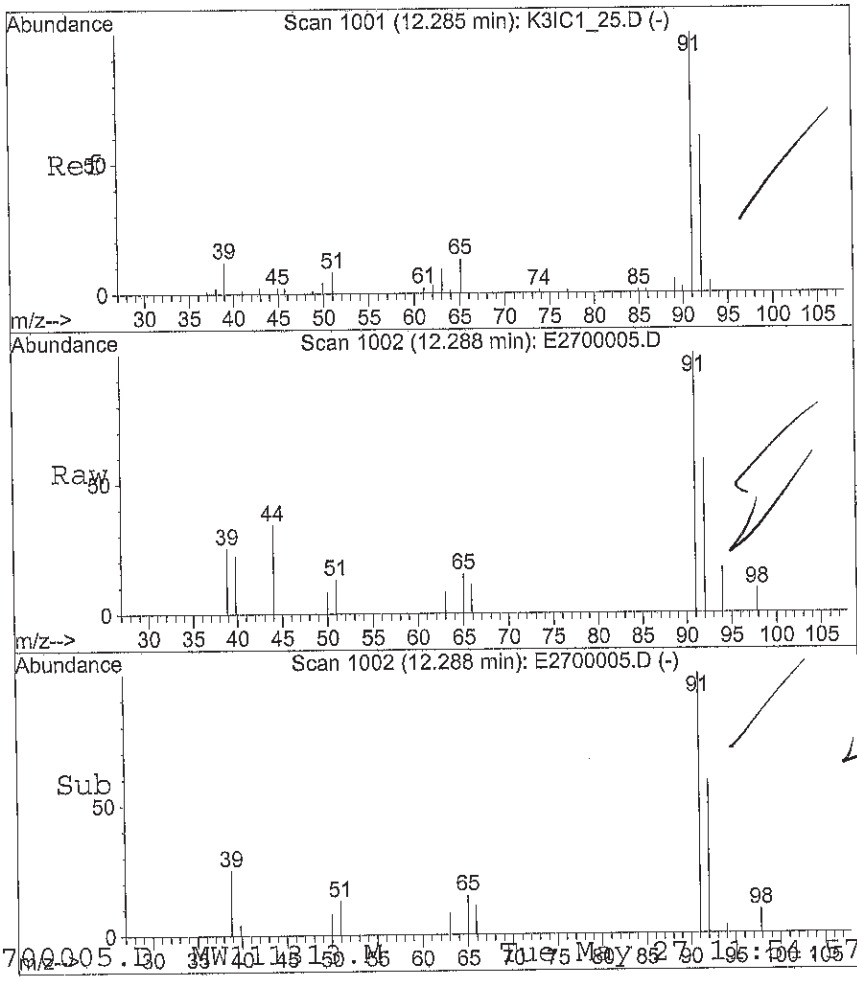


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.93 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 43 Resp: 8397

Ion	Ratio	Lower	Upper
43	100		
58	139.0	0.0	0.0#
85	0.0	0.0	0.0
100	13163.3	0.0	0.0#

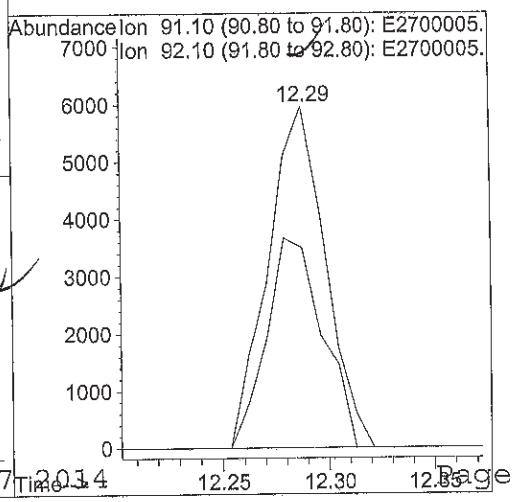


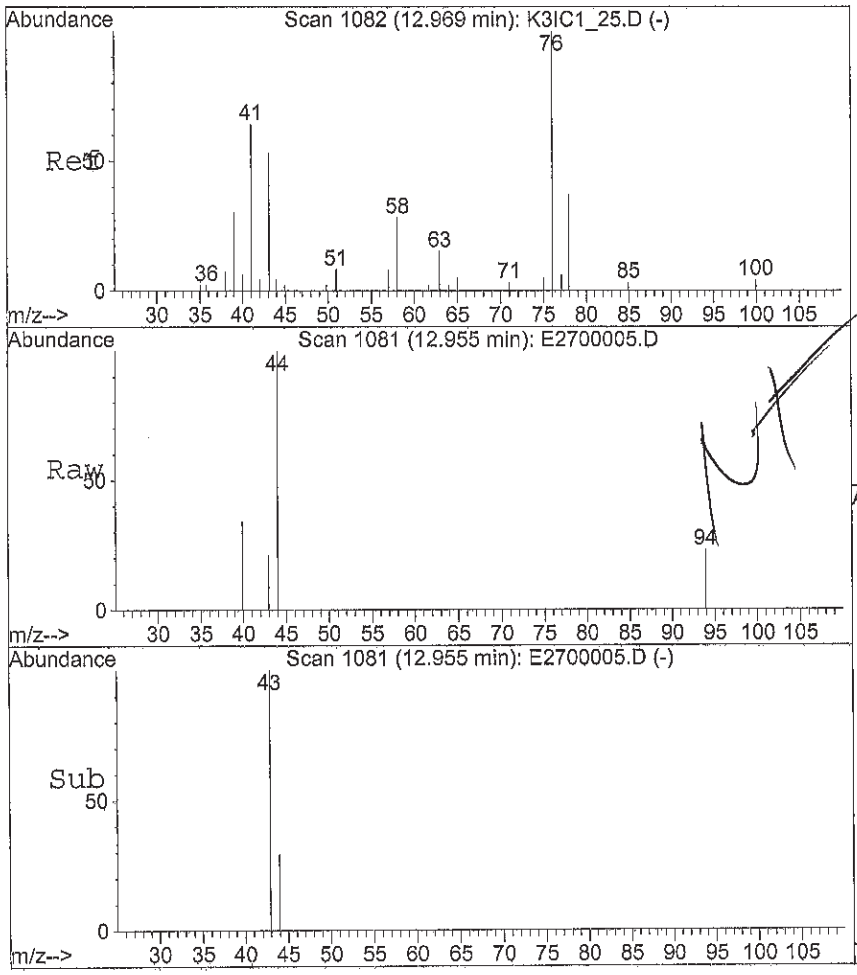


#41
Toluene
Concen: 0.57 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 91 Resp: 11160

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.4	71.0

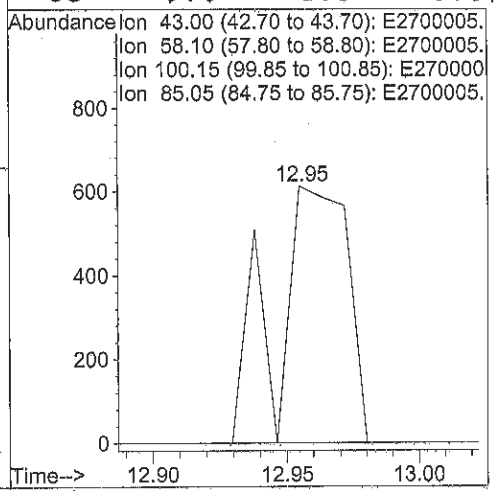


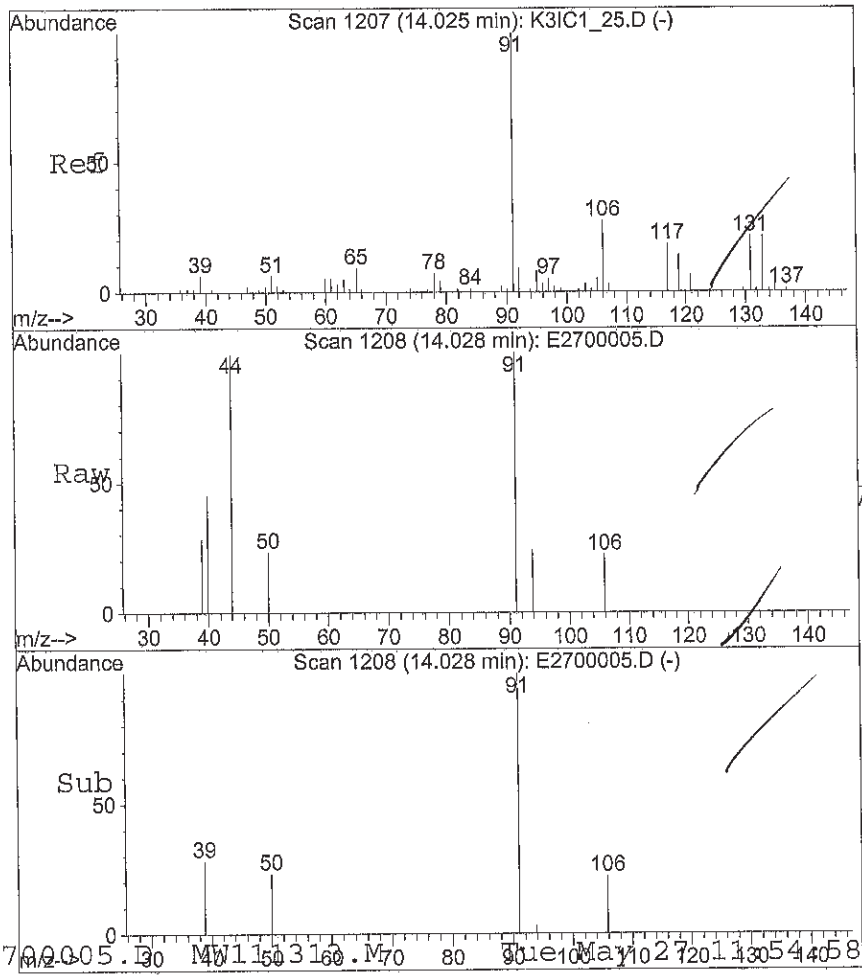


#46
2-Hexanone
Concen: 0.37 ug/L
RT: 12.95 min Scan# 1081
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 43 Resp: 1151

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

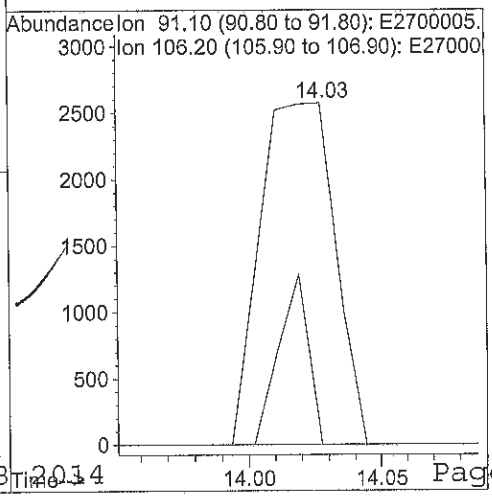


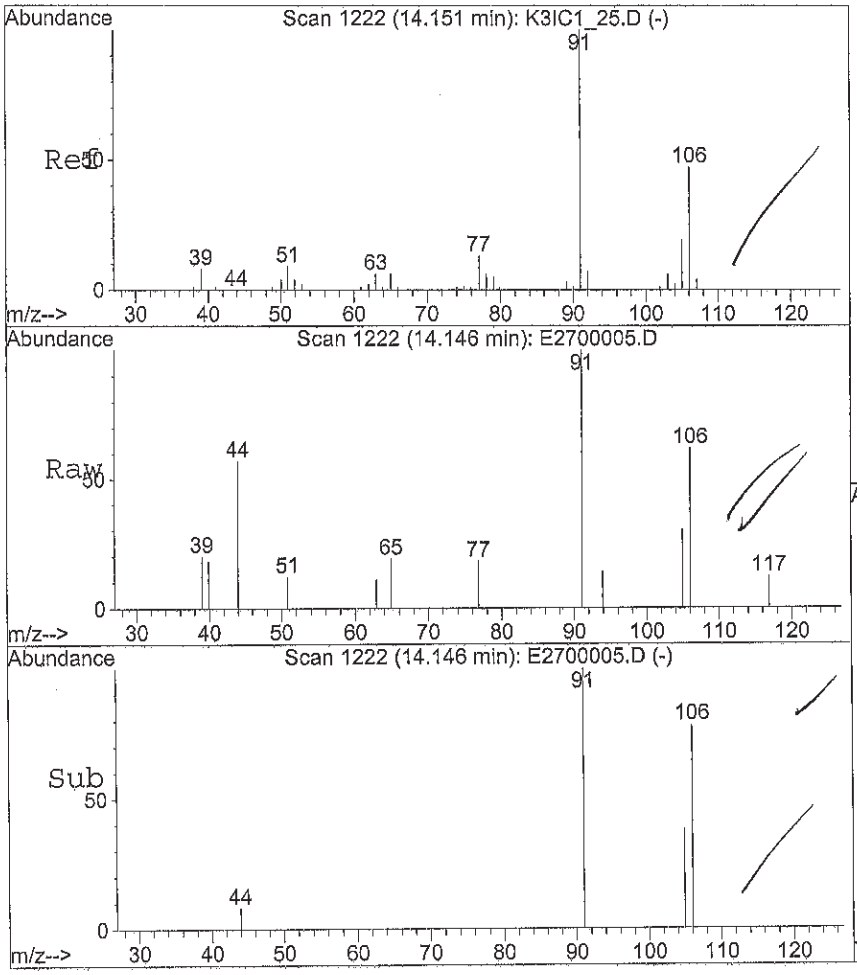


#51
Ethylbenzene
Concen: 0.22 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 91 Resp: 5010

Ion	Ratio	Lower	Upper
91	100		
106	19.9	23.5	35.3#

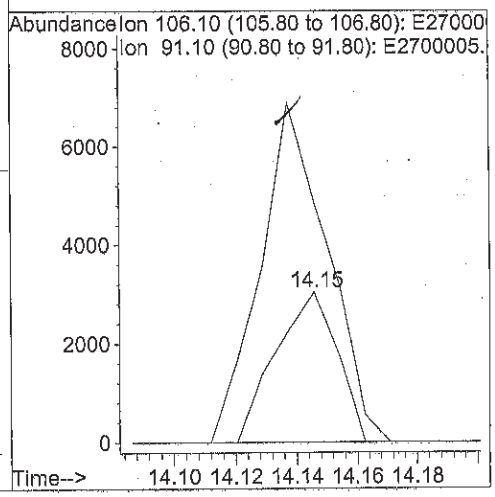


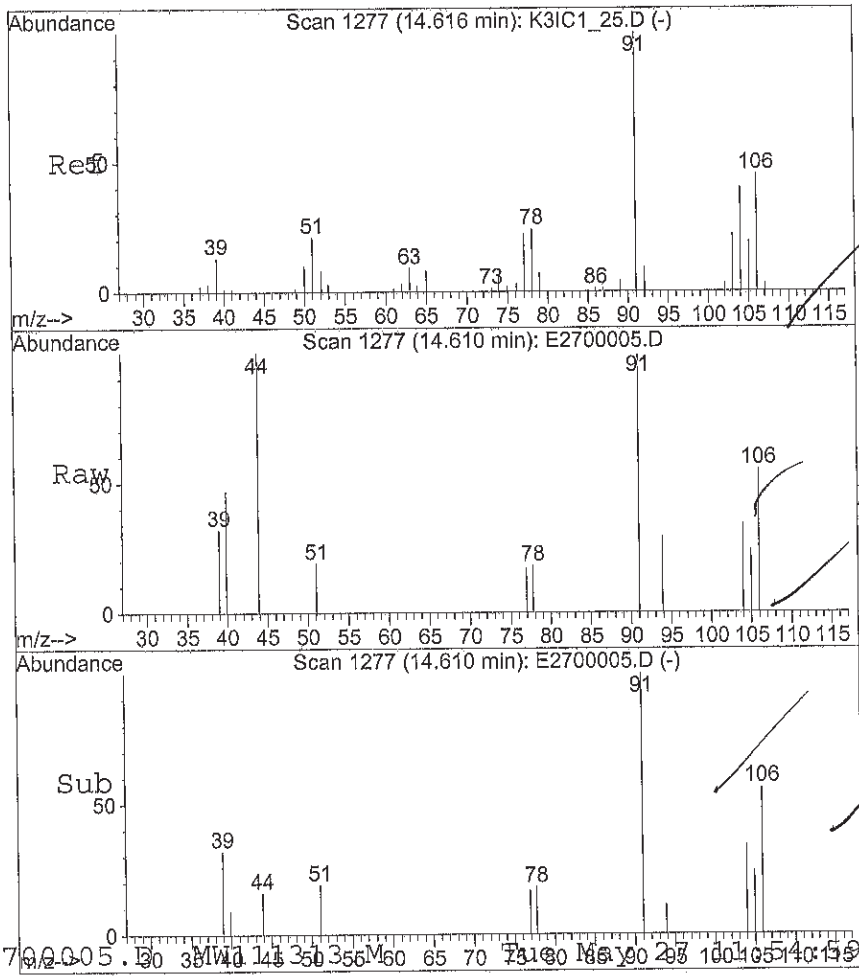


#52
m,p-Xylenes
Concen: 0.54 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:106 Resp: 4256

Ion	Ratio	Lower	Upper
106	100		
91	246.4	177.1	265.7

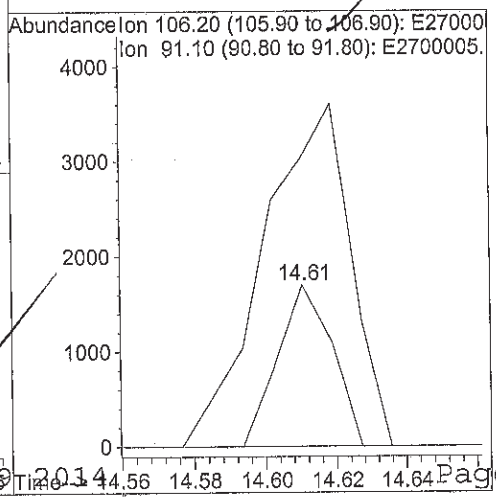


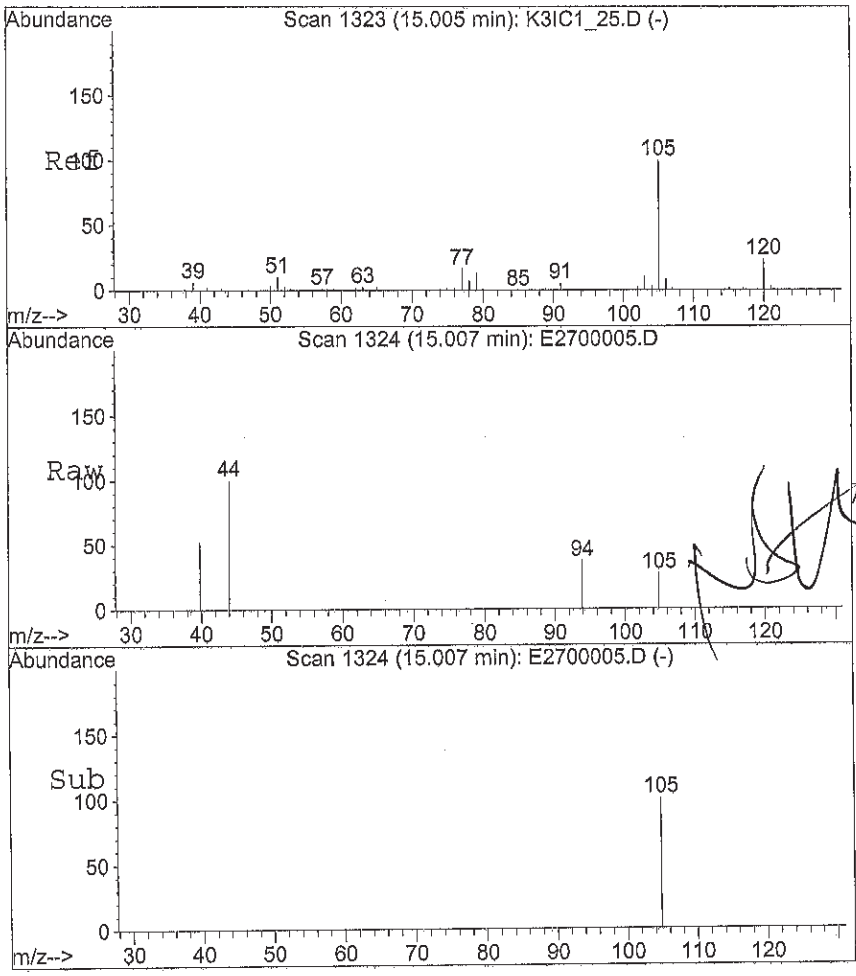


#53
o-Xylene
Concen: 0.23 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:106 Resp: 1809

Ion	Ratio	Lower	Upper
106	100		
91	339.0	179.0	268.6#

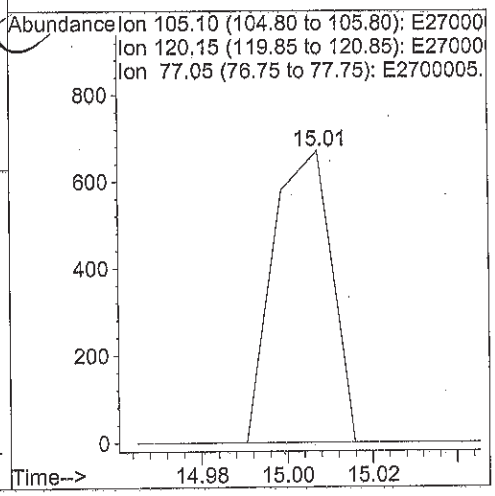


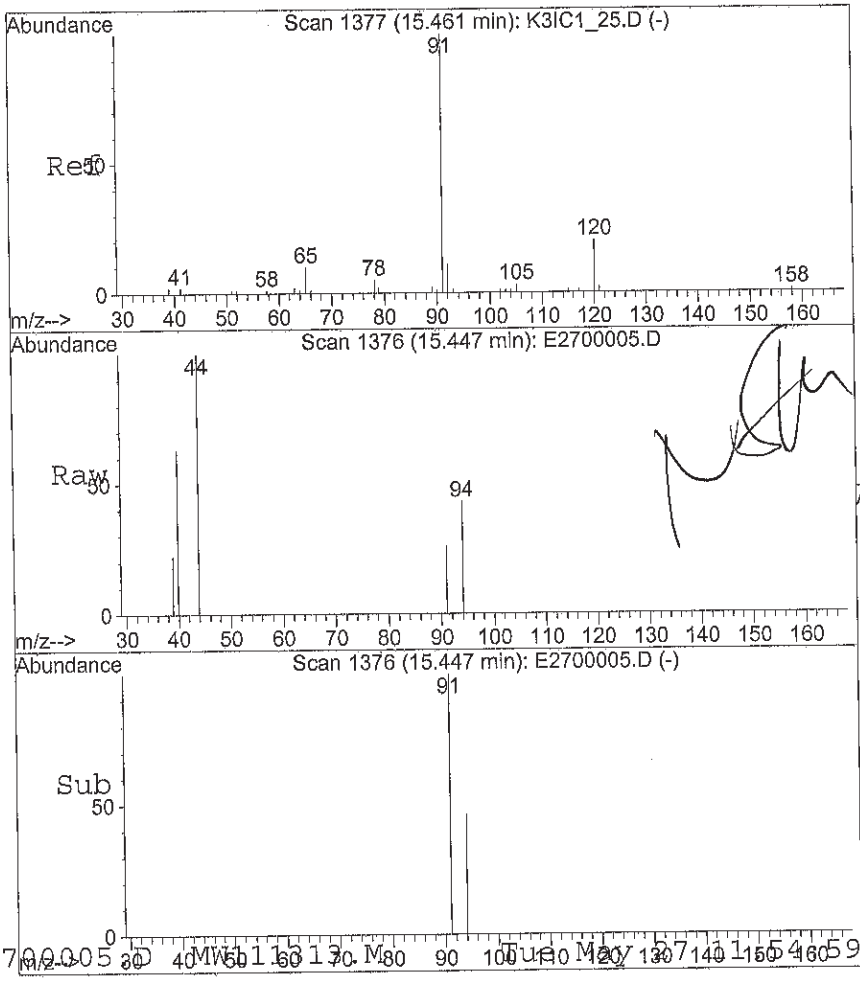


#56
Isopropylbenzene
Concen: 0.03 ug/L
RT: 15.01 min Scan# 1324
Delta R.T. 0.00 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:105 Resp: 634

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

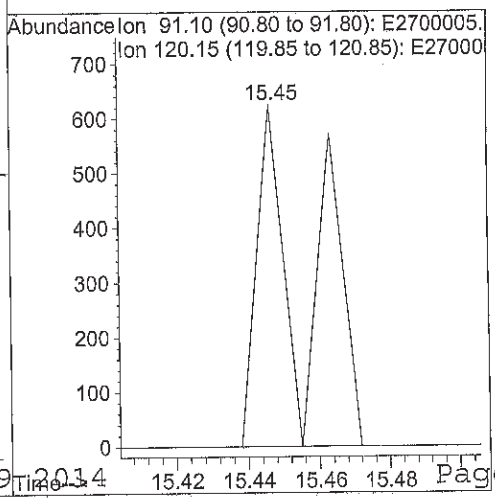


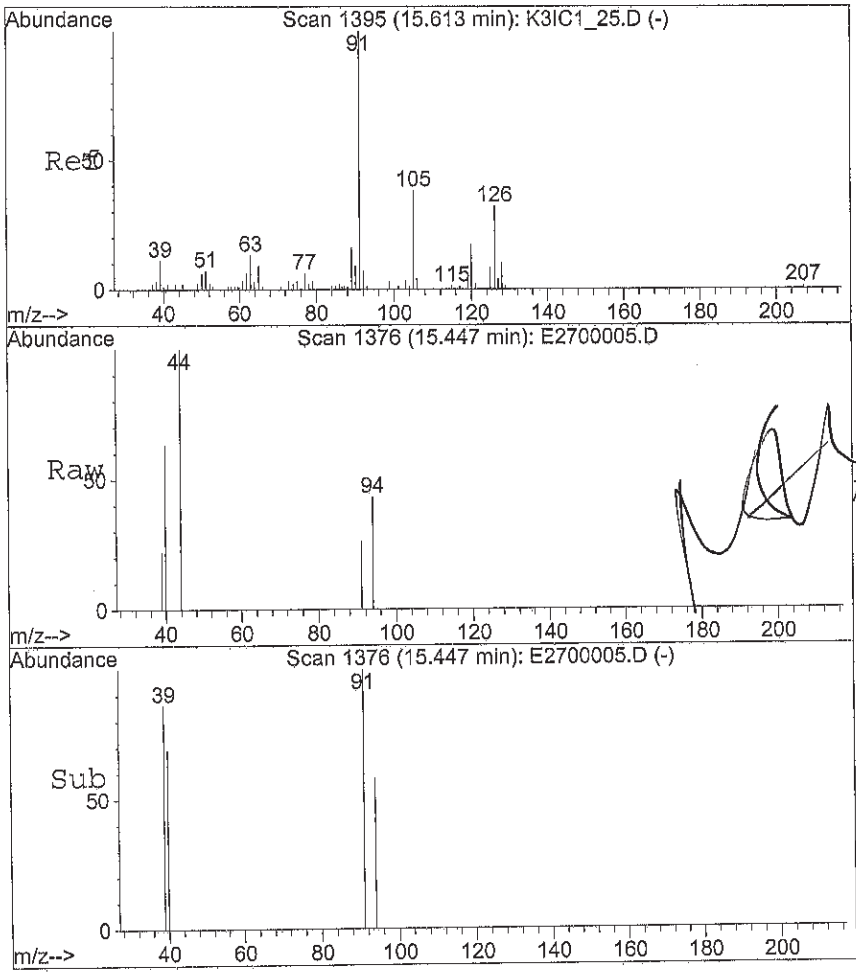


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 91 Resp: 606

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

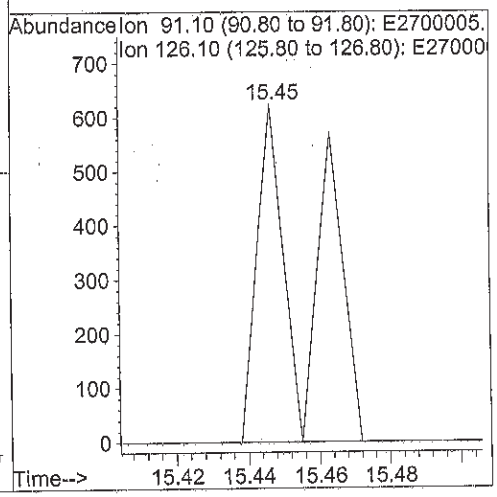


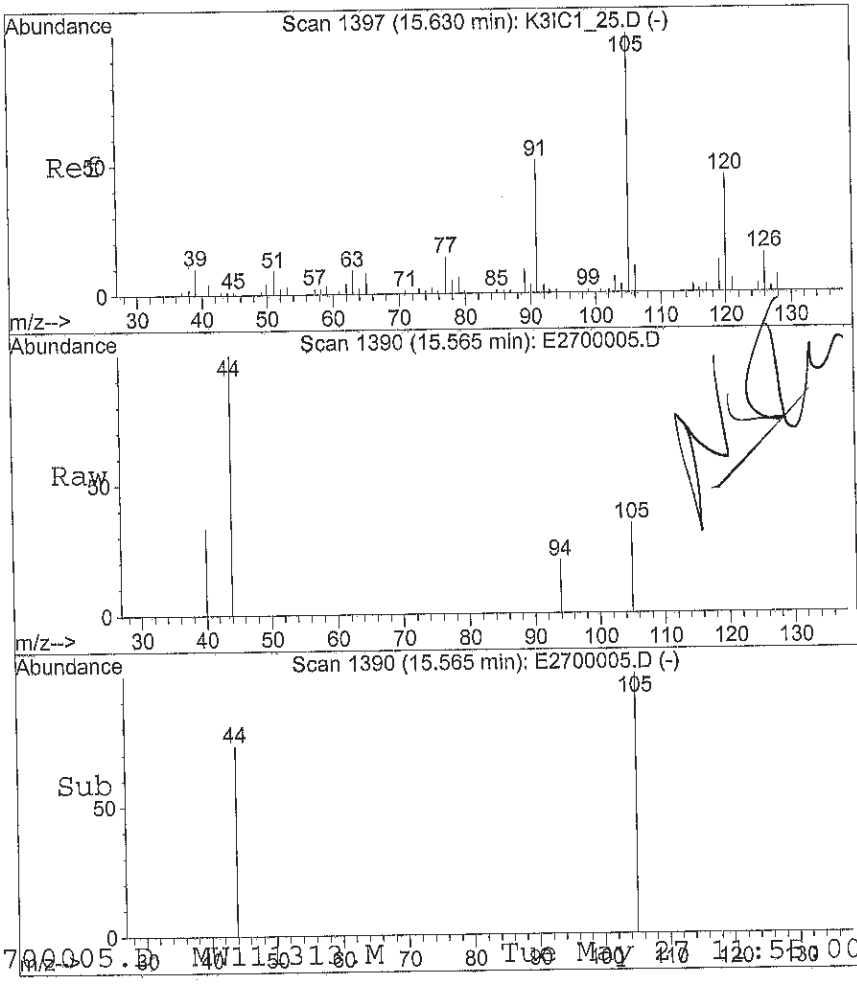


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.17 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion: 91 Resp: 606

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

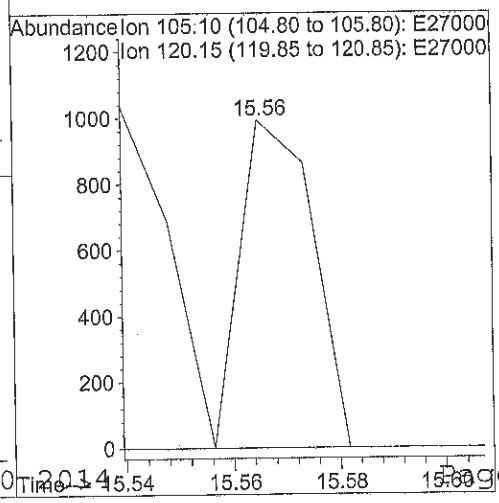


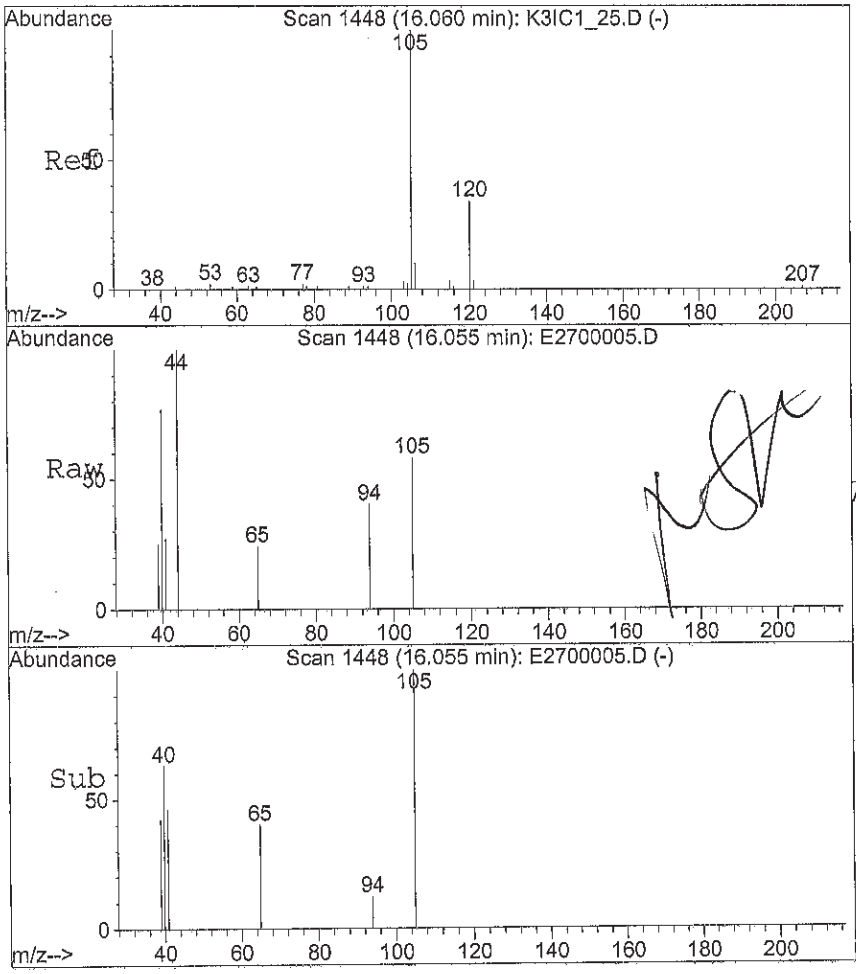


#64
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 15.56 min Scan# 1390
Delta R.T. -0.06 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:105 Resp: 940

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

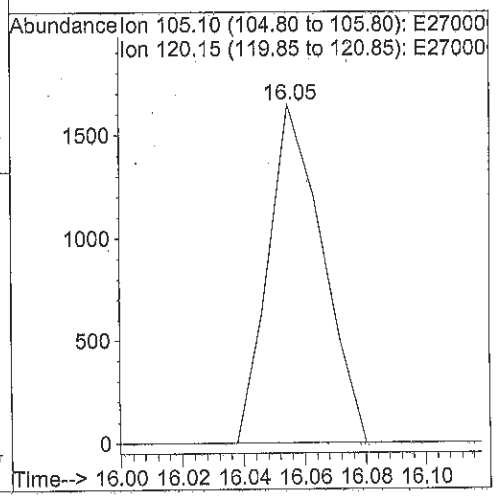


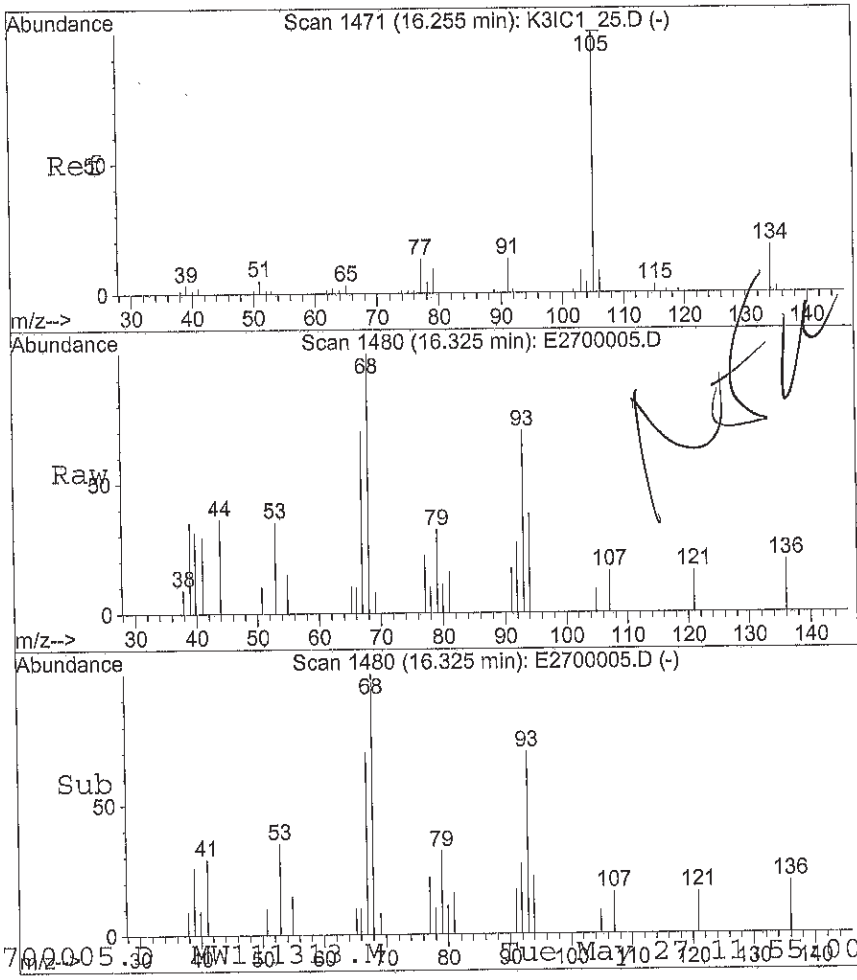


#67
1,2,4-Trimethylbenzene
Concen: 0.10 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:105 Resp: 2022

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

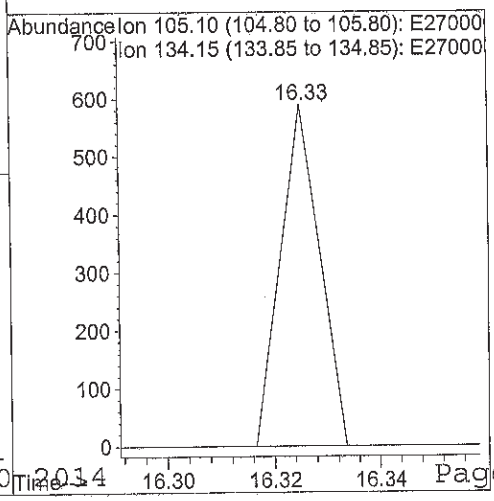


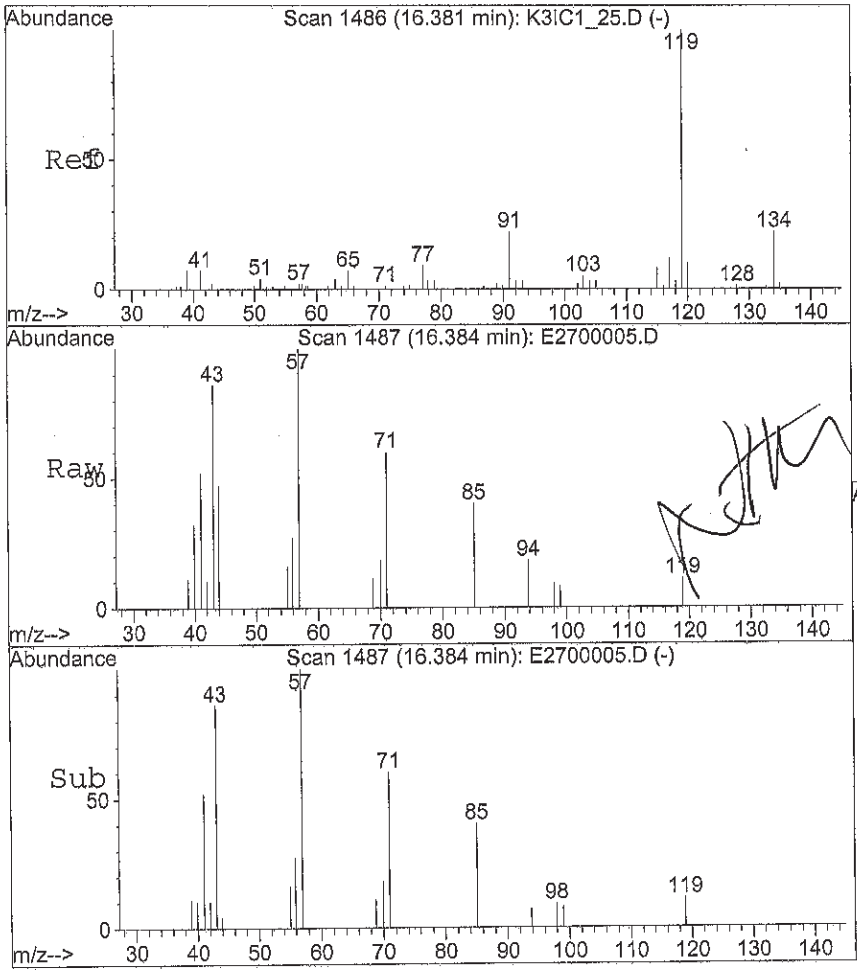


#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.07 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:105 Resp: 298

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

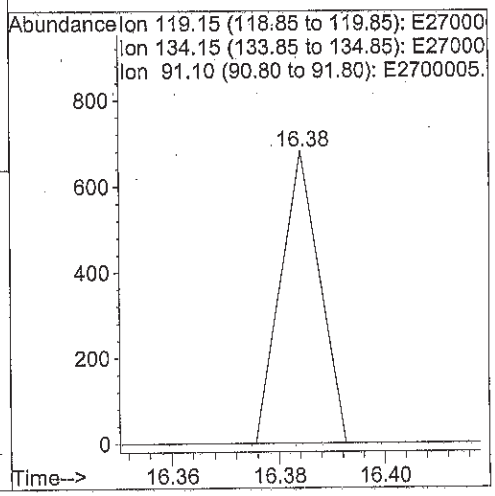


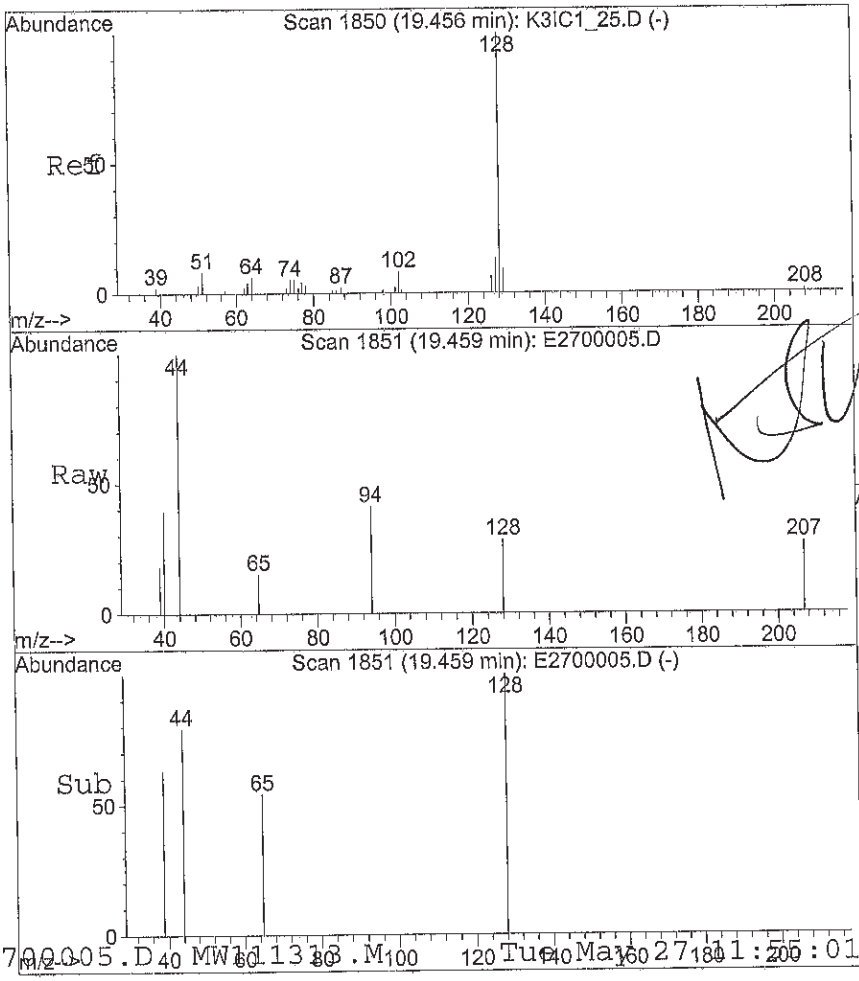


#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:119 Resp: 345

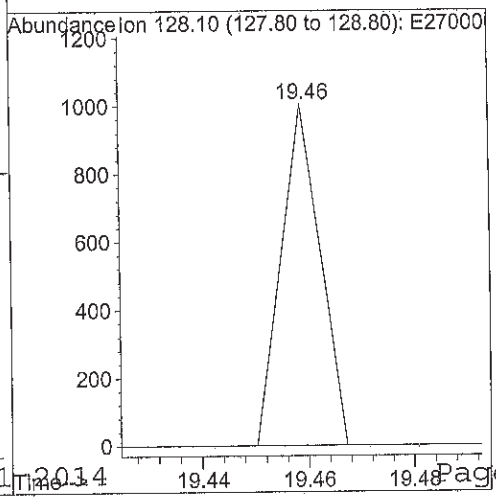
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#





#77
Naphthalene
Concen: 0.03 ug/L
RT: 19.46 min Scan# 1851
Delta R.T. 0.00 min
Lab File: E2700005.D
Acq: 27 May 2014 11:32 am

Tgt Ion:128 Resp: 509



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700005.D Vial: 4
Acq On : 27 May 2014 11:32 am Operator: DN
Sample : 3E42701-04 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-13.0-14.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:55 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1913339	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1436297	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	745284	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	533258	10.72	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.76%			
3) Chloroform-d (SU6)	9.18	84	797105	11.16	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.28%			
4) Methylene Chloride-d2 (SU5	7.07	86	460219	11.03	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 88.24%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	505491	14.86	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 118.88%			
6) Benzene-d6 (SU7)	9.92	84	1555063	10.36	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 82.88%			
8) Toluene-d8 (SU3)	12.20	98	1639551	12.03	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.24%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	764175	13.58	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 108.64%			

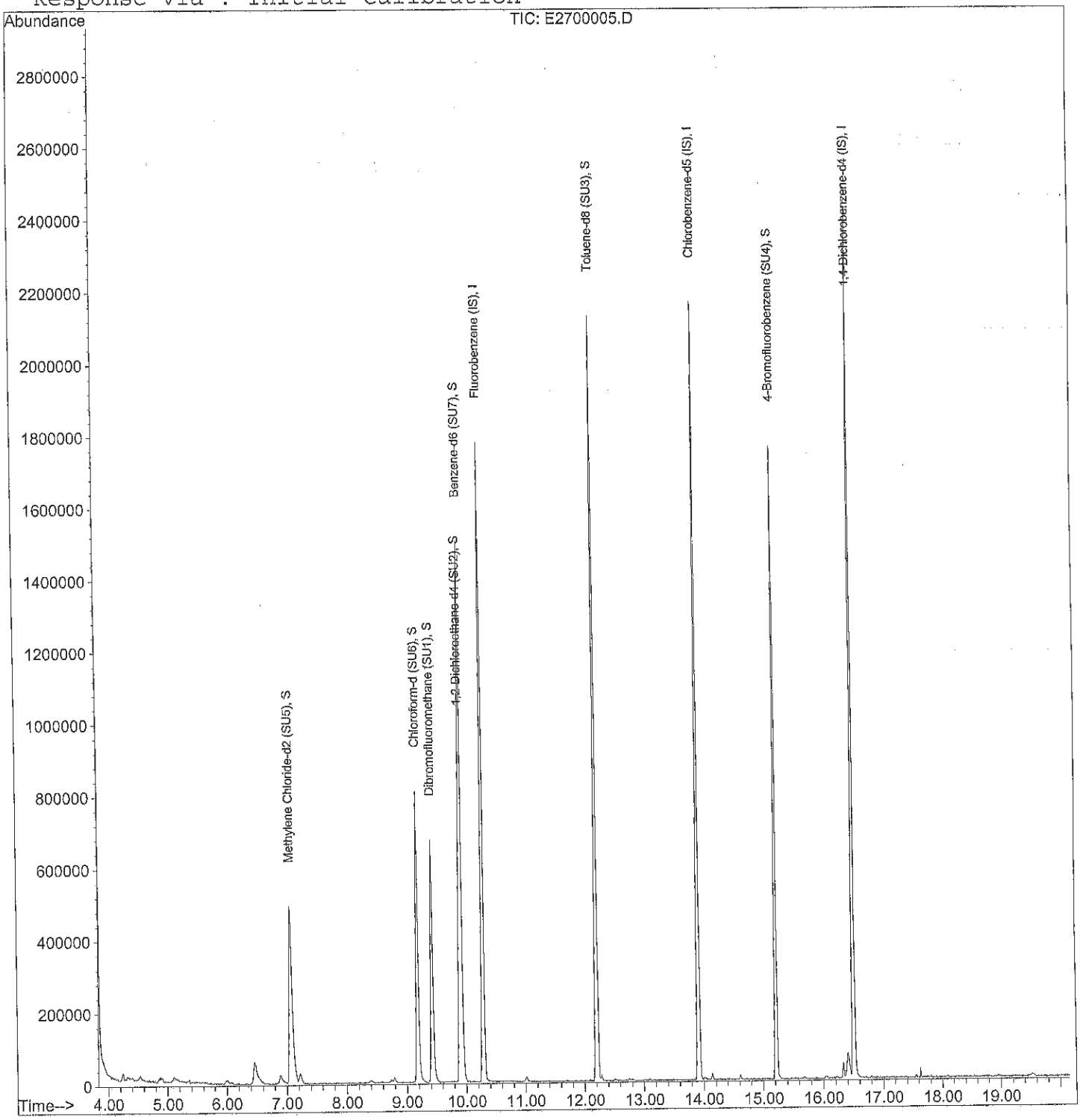
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700005.D Vial: 4
Acq On : 27 May 2014 11:32 am Operator: DN
Sample : 3E42701-04 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-13.0-14.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 11:55 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700006.D Vial: 5
Acq On : 27 May 2014 12:03 pm Operator: DN
Sample : 3E42701-05 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-18.0-19.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:35 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1697668	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1272990	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	687505	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	477777	11.28 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	90.24%	
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	480401	11.94 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	95.52%	
39) Toluene-d8 (SU3)	12.20	98	1488174	12.53 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	100.24%	
58) 4-Bromofluorobenzene (SU4)	15.22	95	713802	13.71 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery =	109.68%	
Target Compounds					Qvalue
4) Chloromethane	4.40	50	12801	3.28 ~~ug/L~~ #	78
6) Bromomethane	5.07	96	20579	9.24 ~~ug/L~~ #	80
7) Chloroethane	5.20	64	2815	2.68 ug/L 0.0536	96
11) Acetone	6.46	58	18648	27.79 ~~ug/L~~ #	88
12) (IPA) Leak Check Compound	6.48	45	167240	819.81 ~~ug/L~~ #	87
13) Carbon disulfide	6.84	76	5168	0.37 ~~ug/L~~ #	76
14) Methylene Chloride	7.07	84	5115	1.10 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.88	59	4938	17.05 ~~ug/L~~ #	77
21) (MEK) 2-Butanone	8.80	72	578	1.21 ~~ug/L~~ #	1
24) Chloroform	9.22	83	2352	0.26 ~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.51	59	2935	0.24 ~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.92	75	965	0.15 ~~ug/L~~ #	1
31) Benzene	9.99	78	497	0.03 ~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.92	62	6166	1.09 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	8241	3.24 ~~ug/L~~ #	100
41) Toluene	12.29	91	6030	0.35 ug/L 0.007	93
46) 2-Hexanone	12.96	43	1149	0.41 ~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	3922	0.20 ug/L # 0.00462	
52) m,p-Xylenes	14.15	106	4083	0.58 ug/L 0.01180	
53) o-Xylene	14.61	106	1001	0.14 ug/L # 0.0028	1
54) Styrene	14.61	104	1217	-0.75 ~~ug/L~~ #	10
56) Isopropylbenzene	15.21	105	1266	0.07 ~~ug/L~~ #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700006.D Vial: 5
Acq On : 27 May 2014 12:03 pm Operator: DN
Sample : 3E42701-05 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-18.0-19.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:35 19114 Quant Results File: MW111313.RES

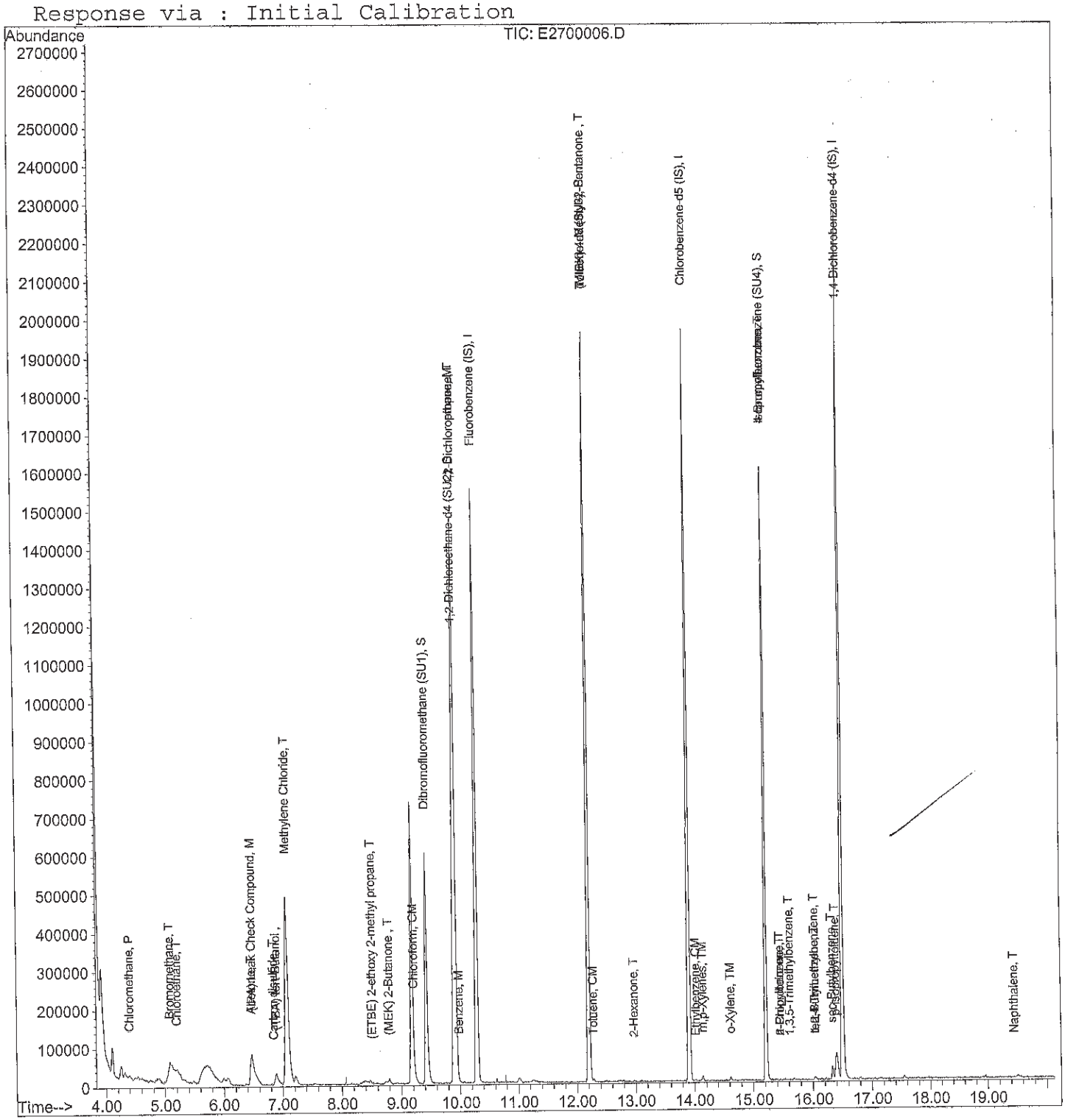
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

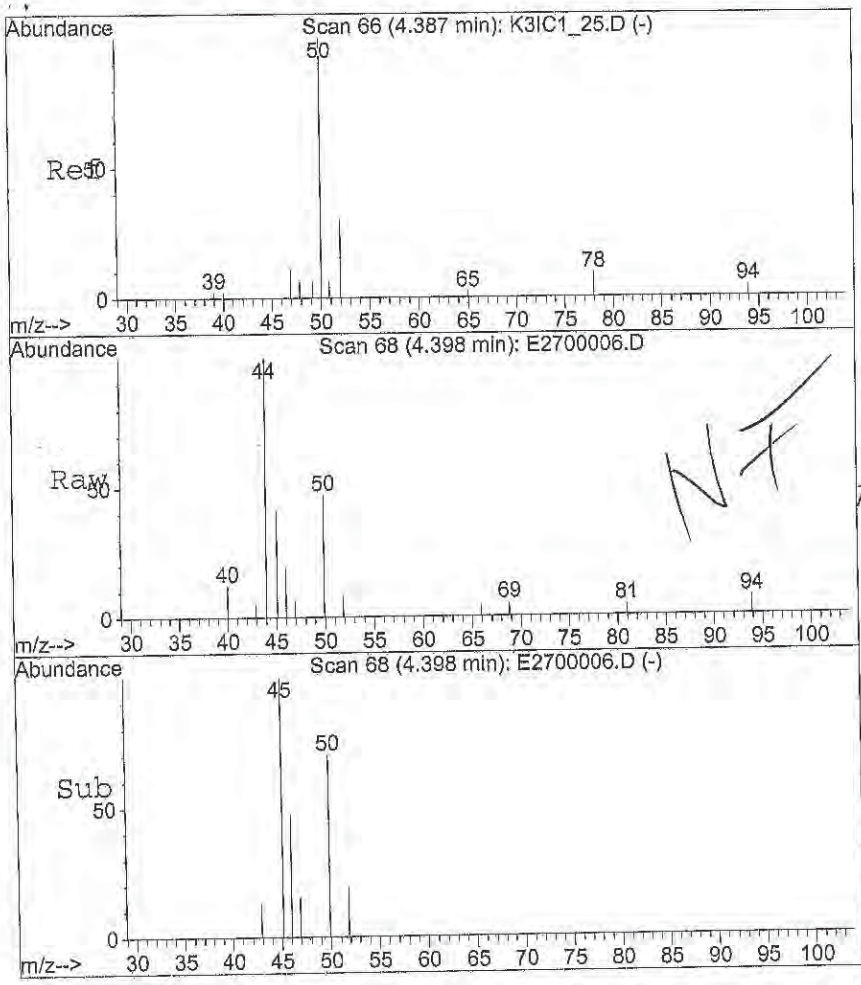
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) n-Propylbenzene	15.45	91	1050	0.04	~~ug/L~~	#	56
63) 2-Chlorotoluene	15.45	91	1050	0.06	ug/L	#	45
64) 1,3,5-Trimethylbenzene	15.62	105	277	0.02	~~ug/L~~	#	31
66) tert-Butylbenzene	16.05	119	331	0.02	~~ug/L~~	#	24
67) 1,2,4-Trimethylbenzene	16.05	105	2752	0.15	~~ug/L~~	#	65 0.003
68) sec-Butylbenzene	16.33	105	314	0.01	ug/L	#	62
69) p-Isopropyltoluene	16.38	119	365	0.02	ug/L	#	52
77) Naphthalene	19.44	128	337	0.02	~~ug/L~~		100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700006.D Vial: 5
Acq On : 27 May 2014 12:03 pm Operator: DN
Sample : 3E42701-05 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-18.0-19.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:35 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

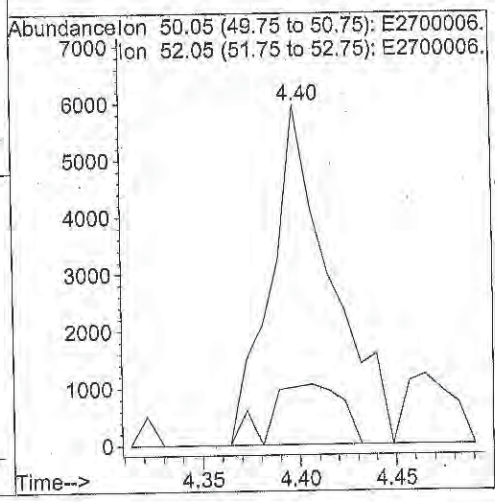


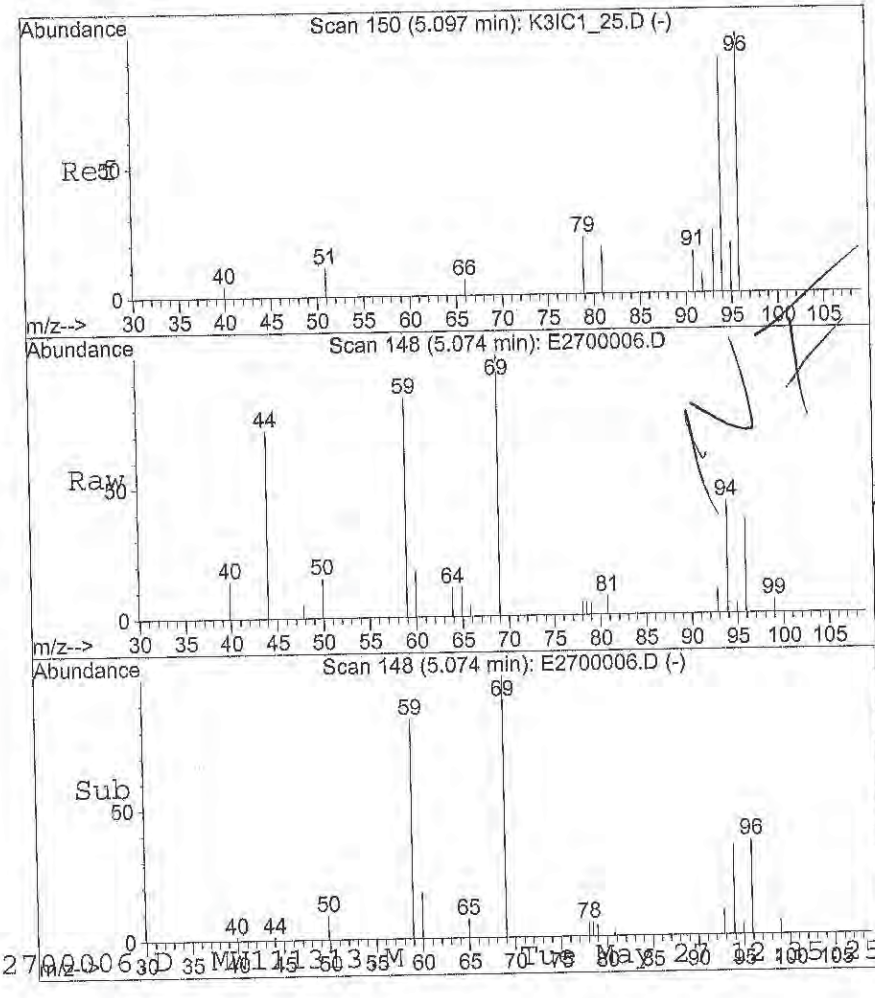


#4
Chloromethane
Concen: 3.28 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 50 Resp: 12801

Ion	Ratio	Lower	Upper
50	100		
52	21.0	26.9	40.3#

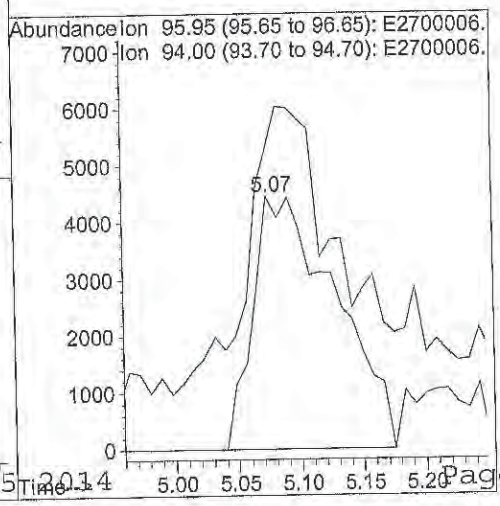


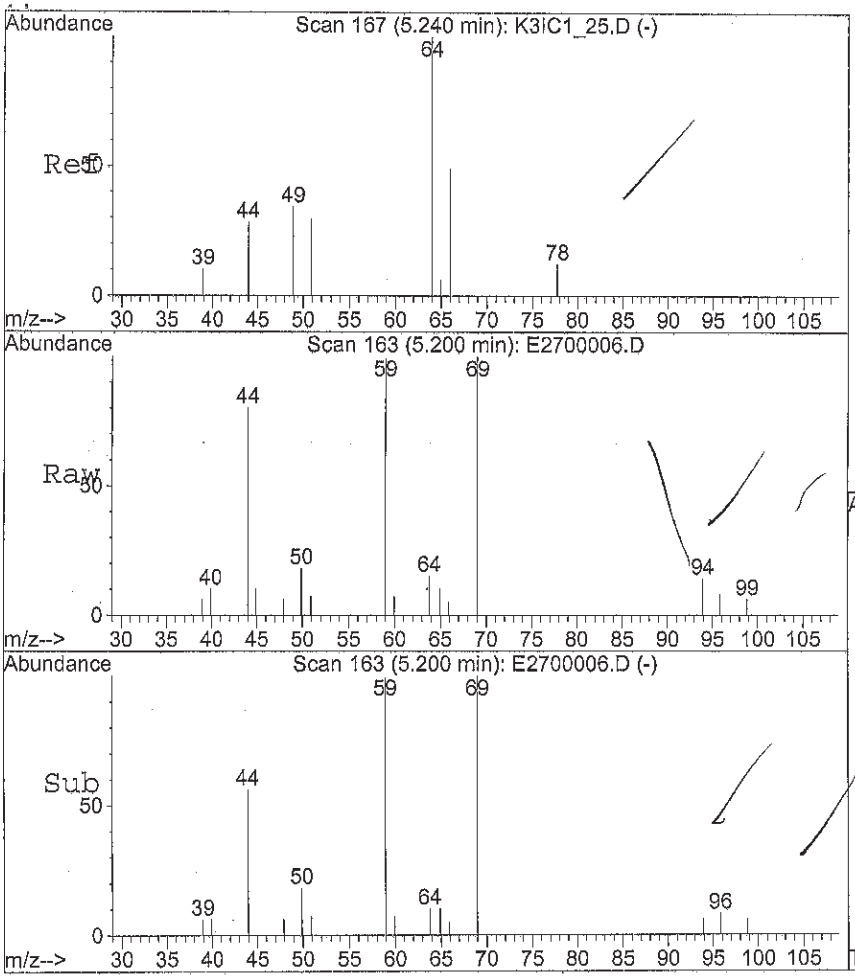


#6
Bromomethane
Concen: 9.24 ug/L
RT: 5.07 min Scan# 148
Delta R.T. -0.02 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 96 Resp: 20579

Ion	Ratio	Lower	Upper
96	100		
94	148.8	101.0	151.4

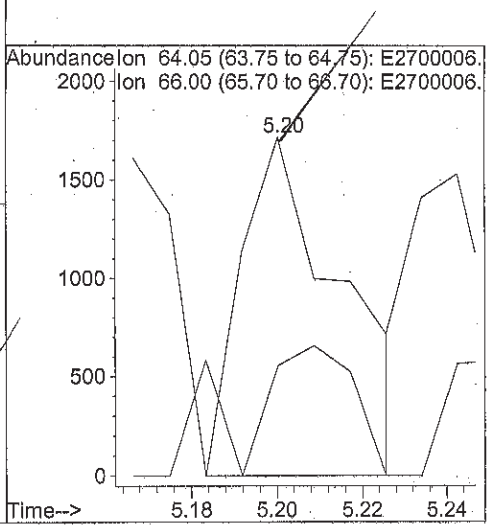


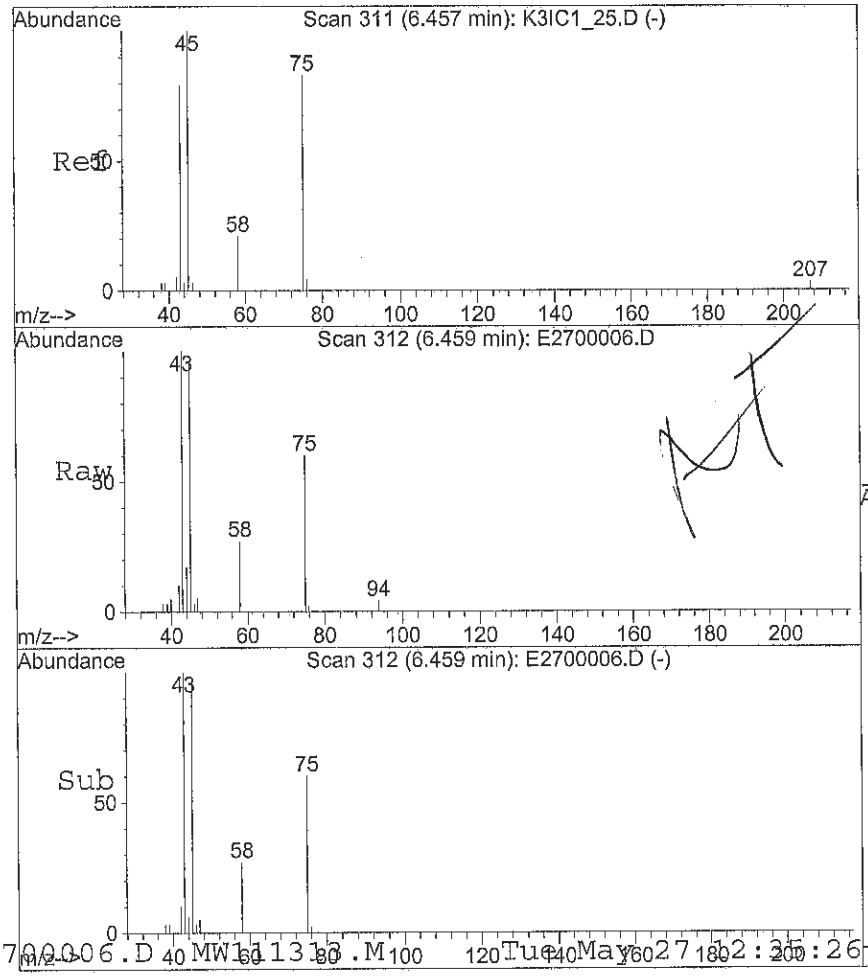


#7
Chloroethane
Concen: 2.68 ug/L
RT: 5.20 min Scan# 163
Delta R.T. -0.04 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 64 Resp: 2815

Ion	Ratio	Lower	Upper
64	100		
66	41.6	35.4	53.0

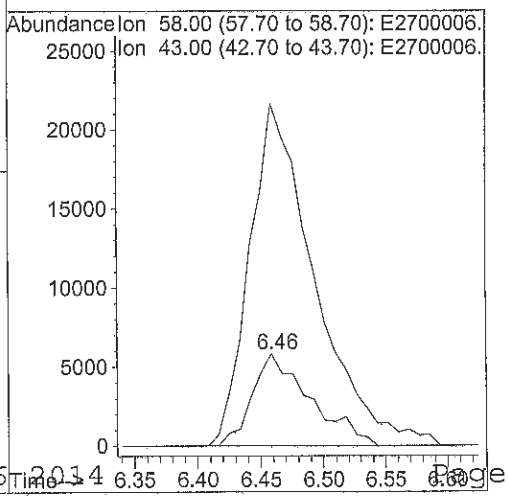


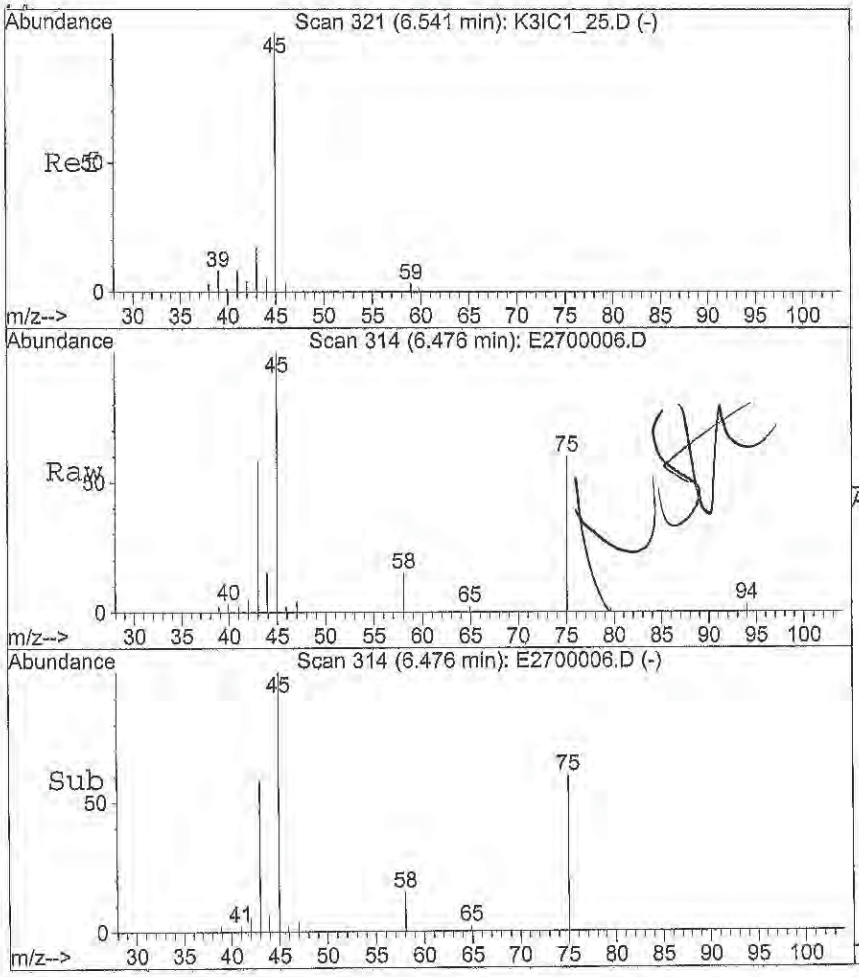


#11
Acetone
Concen: 27.79 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 58 Resp: 18648

Ion	Ratio	Lower	Upper
58	100		
43	419.1	360.9	541.3

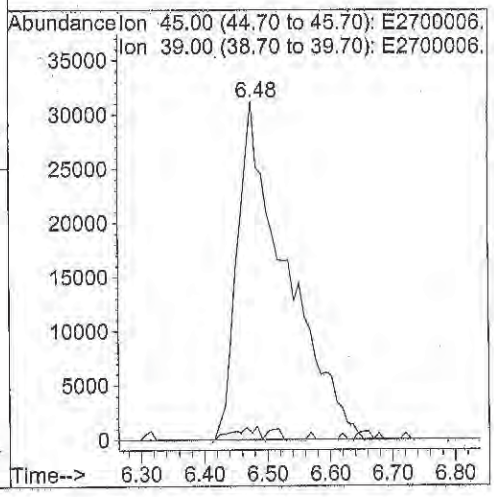


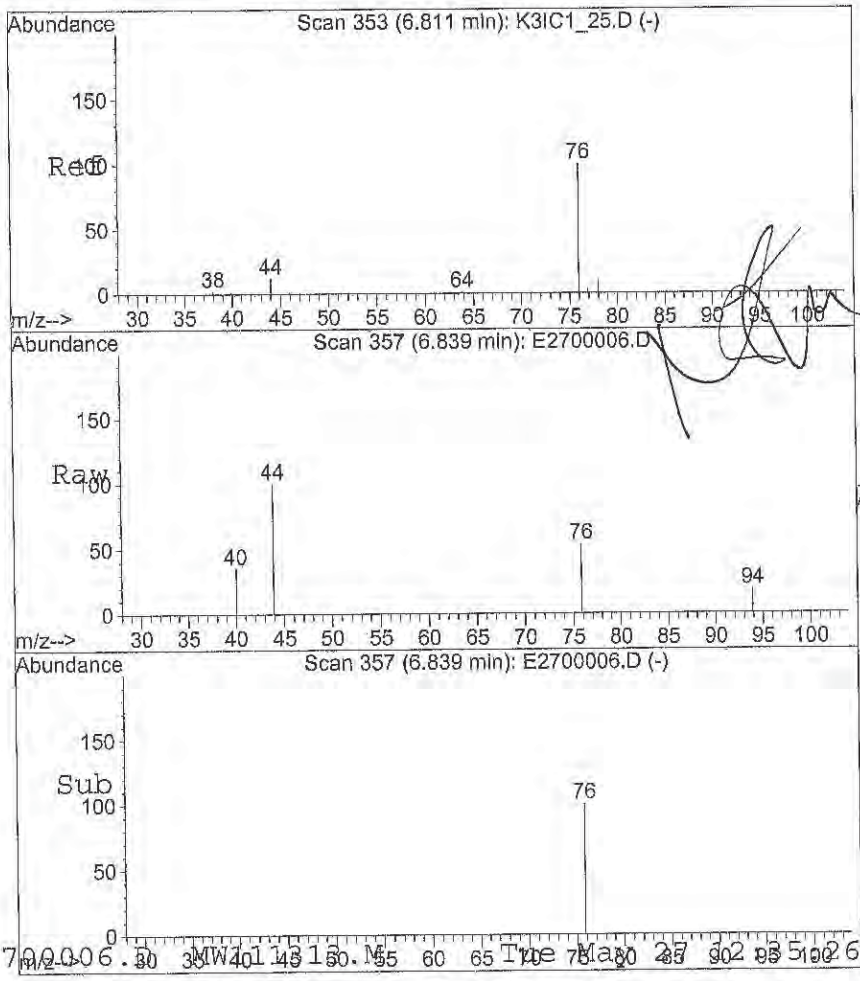


#12
(IPA) Leak Check Compound
Concen: 819.81 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.07 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 45 Resp: 167240

Ion	Ratio	Lower	Upper
45	100		
39	1.9	4.9	7.3#

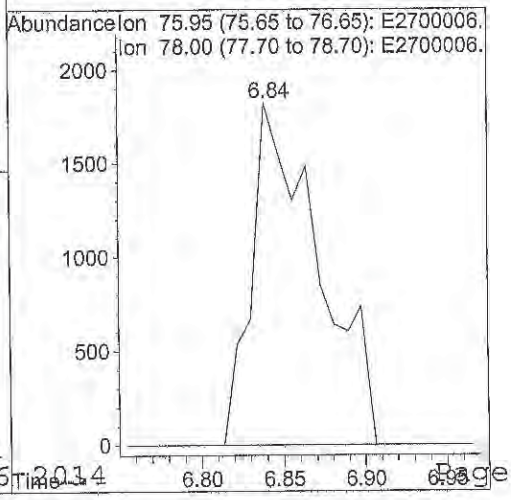


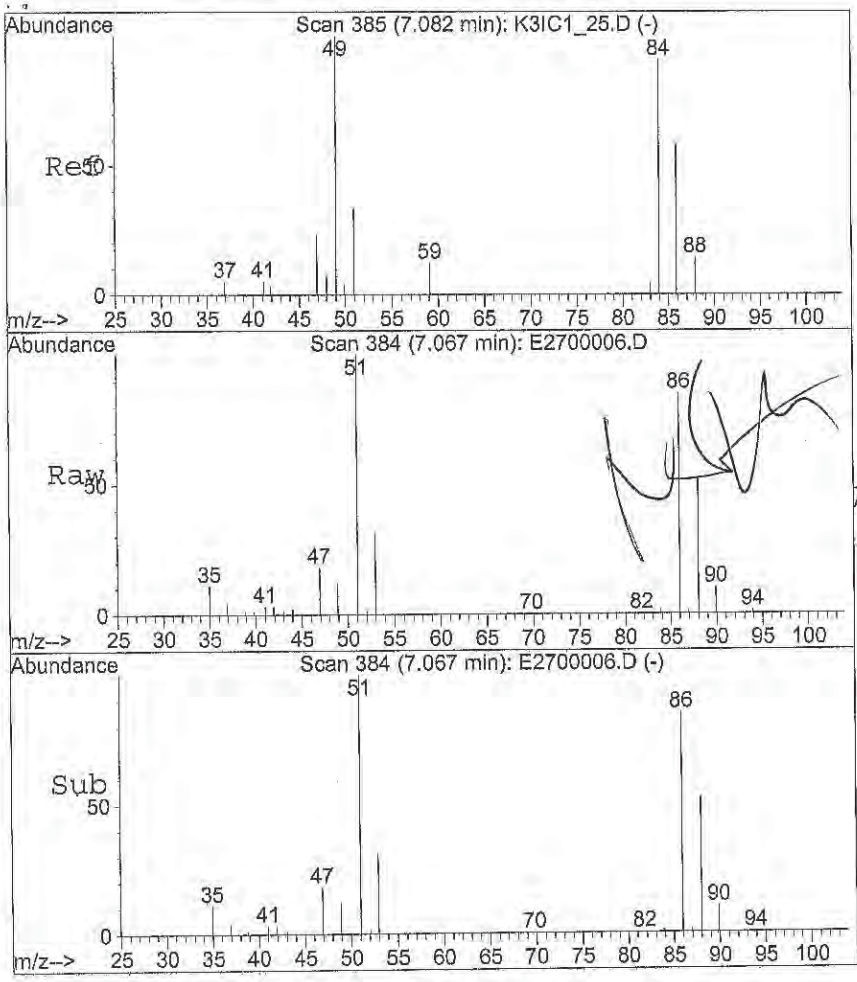


#13
Carbon disulfide
Concen: 0.37 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 76 Resp: 5168

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

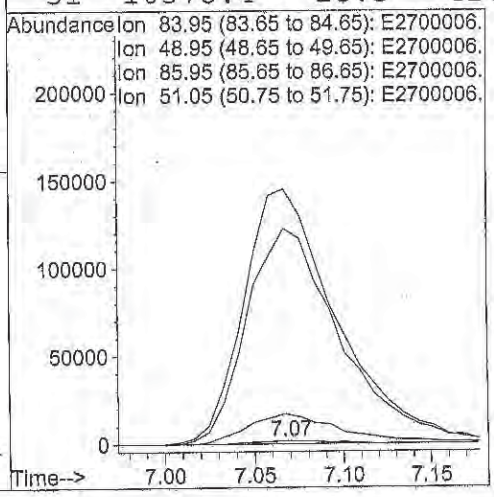


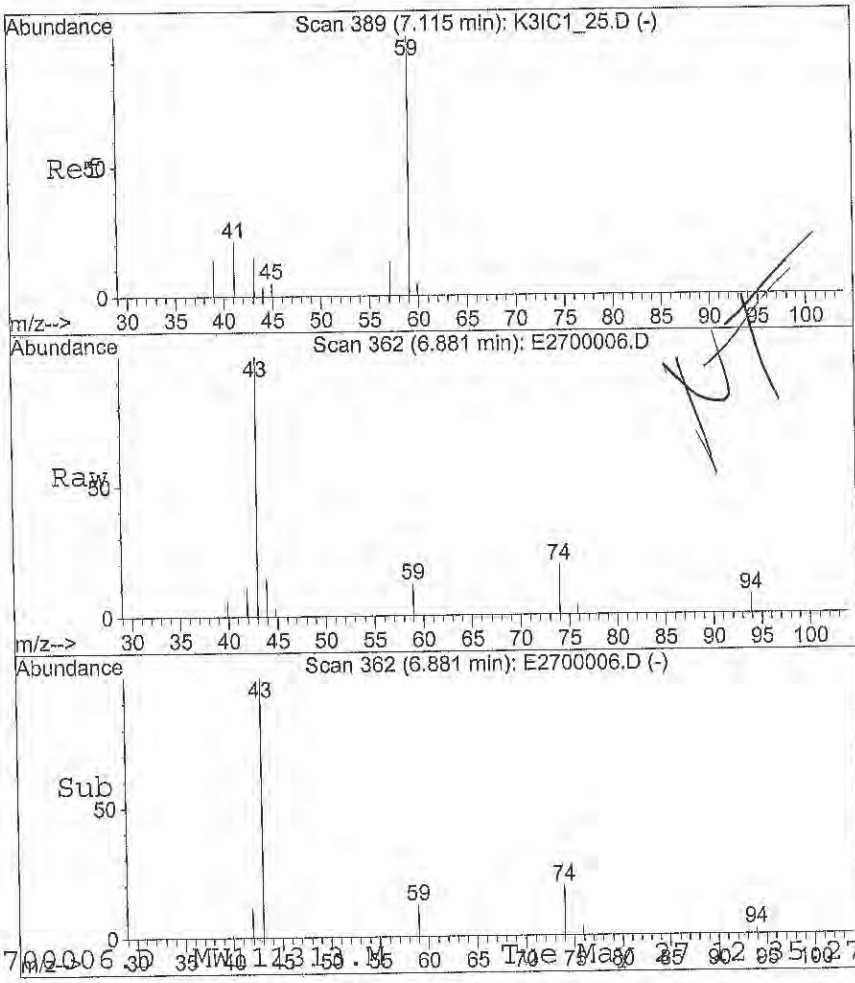


#14
Methylene Chloride
Concen: 1.10 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 84 Resp: 5115

Ion	Ratio	Lower	Upper
84	100		
49	1200.1	89.8	134.6#
86	8797.8	51.1	76.7#
51	10378.4	28.5	42.7#

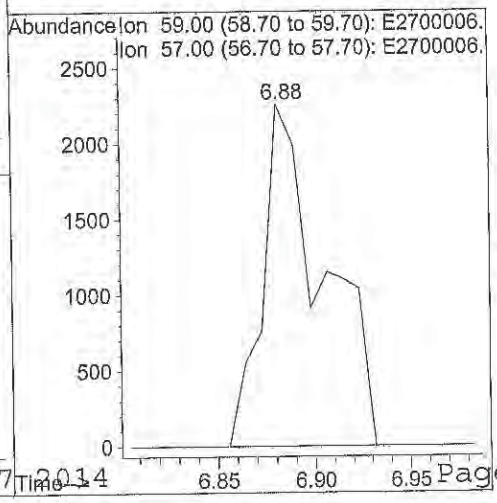


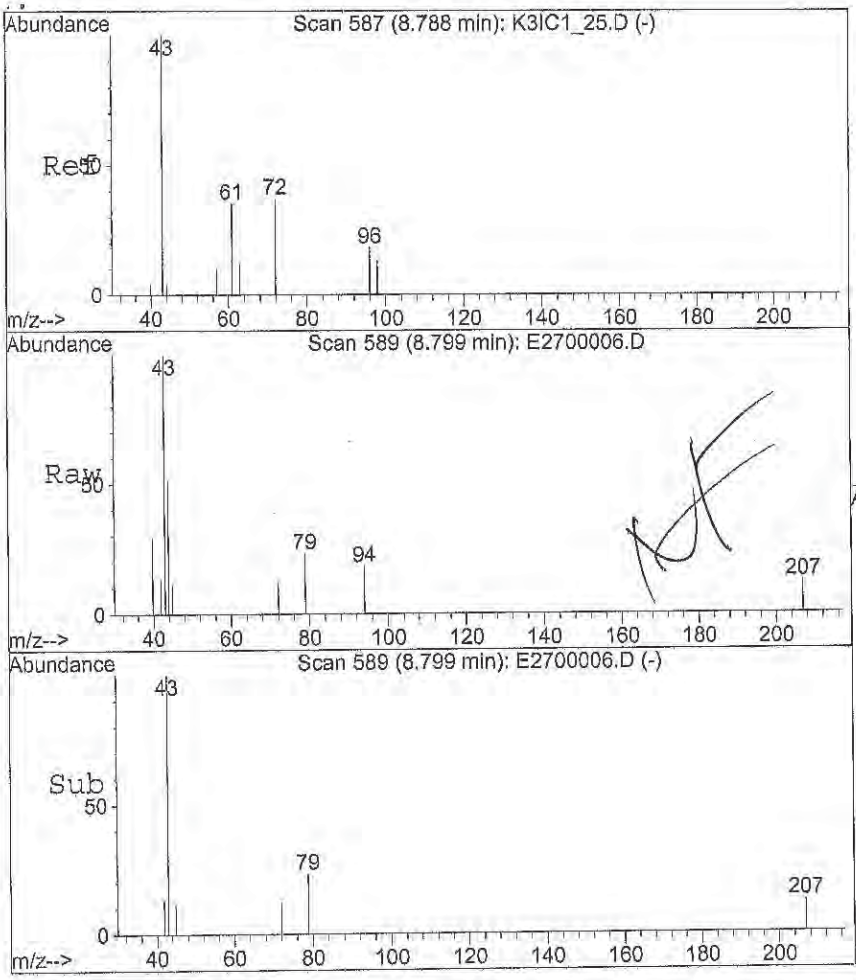


#15
(TBA) tert-Butanol
Concen: 17.05 ug/L
RT: 6.88 min Scan# 362
Delta R.T. -0.23 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 59 Resp: 4938

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

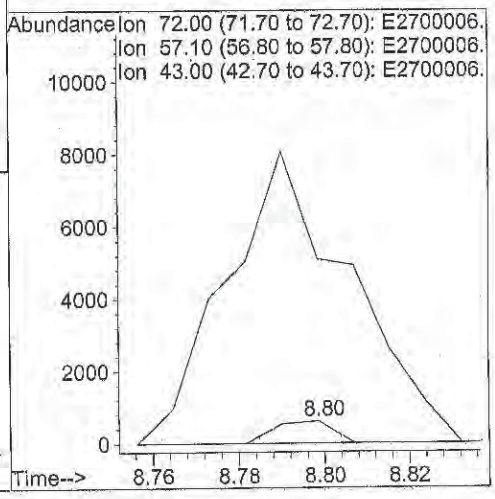


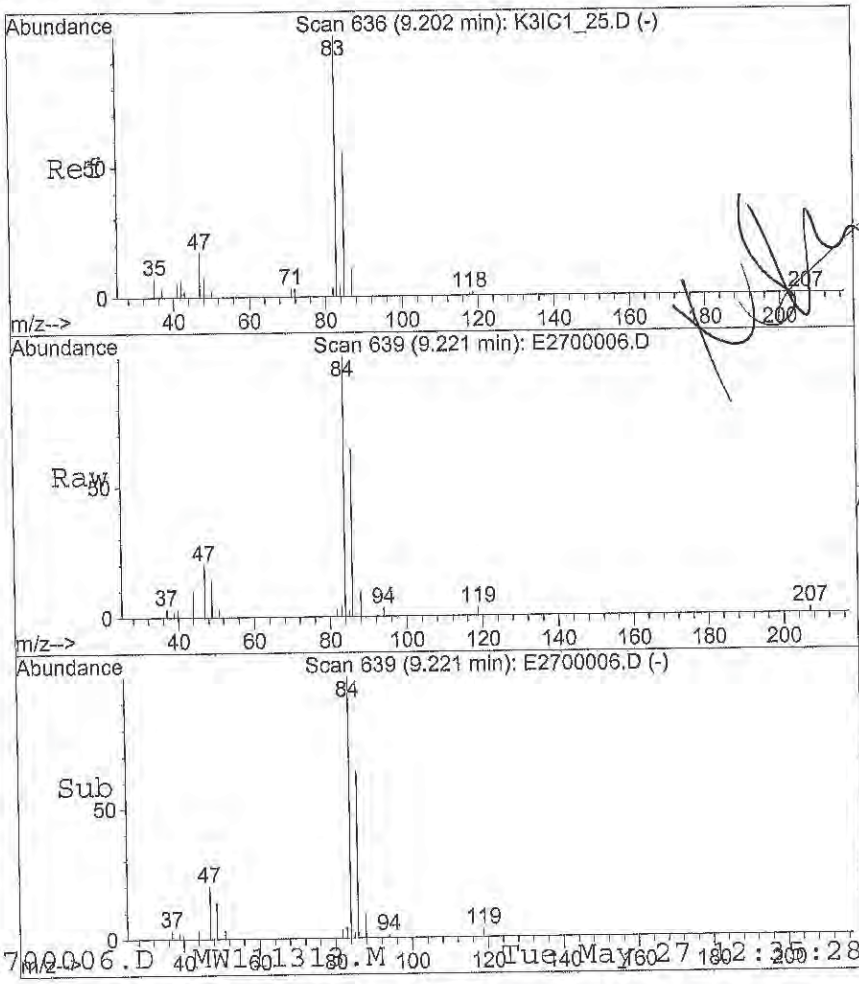


#21
(MEK) 2-Butanone
Concen: 1.21 ug/L
RT: 8.80 min Scan# 589
Delta R.T. 0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 72 Resp: 578

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	2841.0	314.2	471.2#

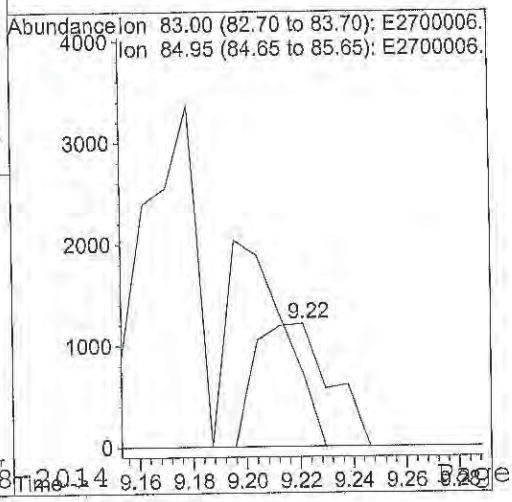


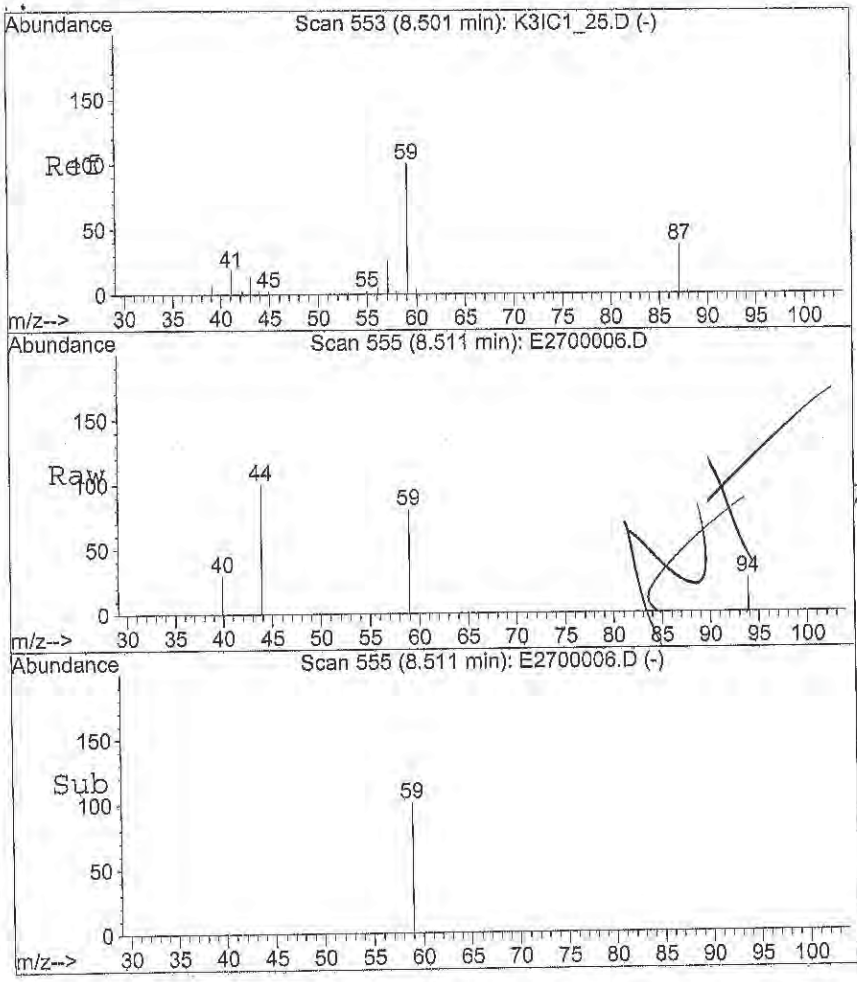


#24
Chloroform
Concen: 0.26 ug/L
RT: 9.22 min Scan# 639
Delta R.T. 0.02 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 83 Resp: 2352

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

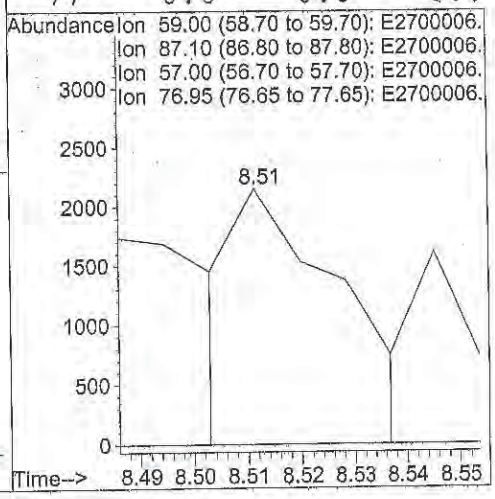


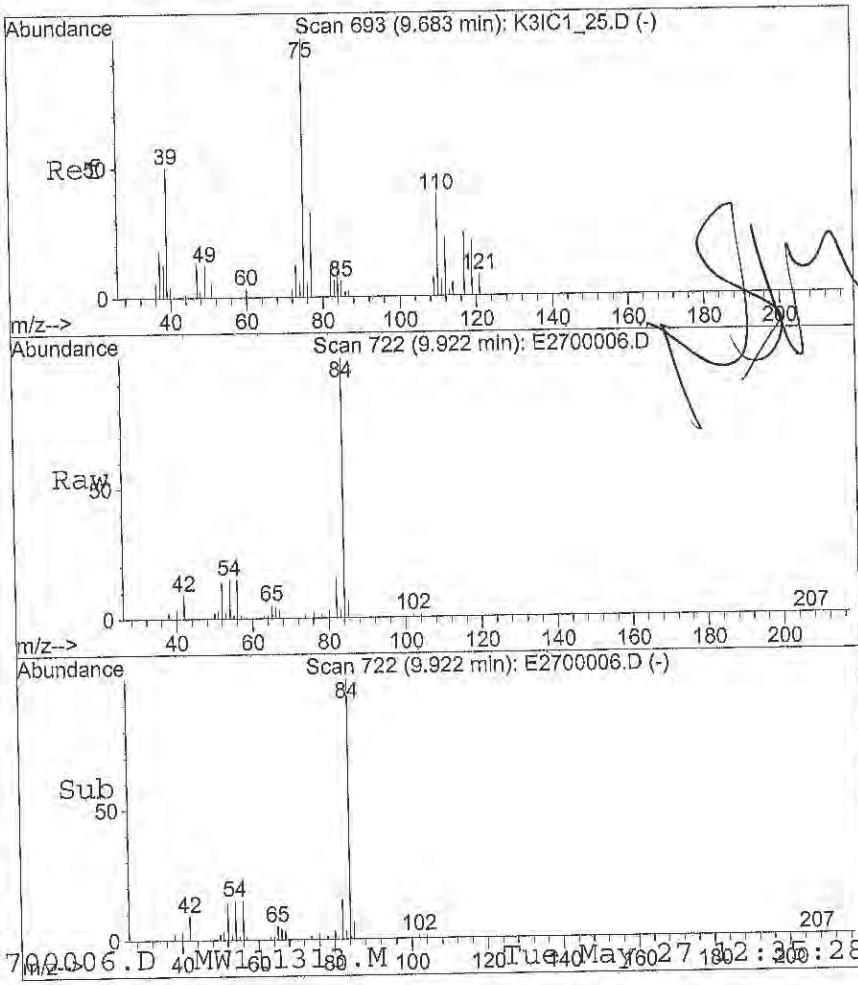


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.24 ug/L
RT: 8.51 min Scan# 555
Delta R.T. 0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 59 Resp: 2935

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

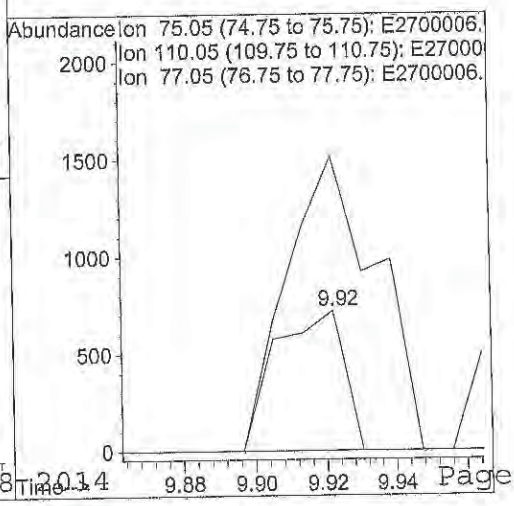


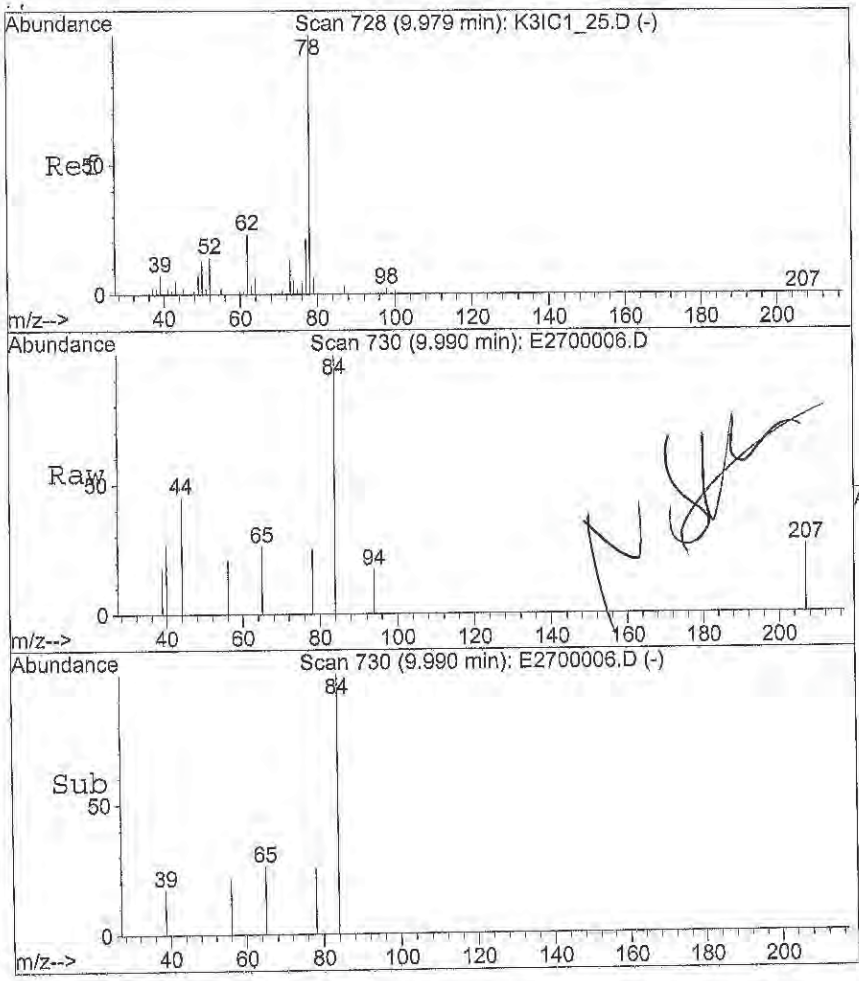


#29
1,1-Dichloropropene
Concen: 0.15 ug/L
RT: 9.92 min Scan# 722
Delta R.T. 0.24 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 75 Resp: 965

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	275.6	25.0	37.4#

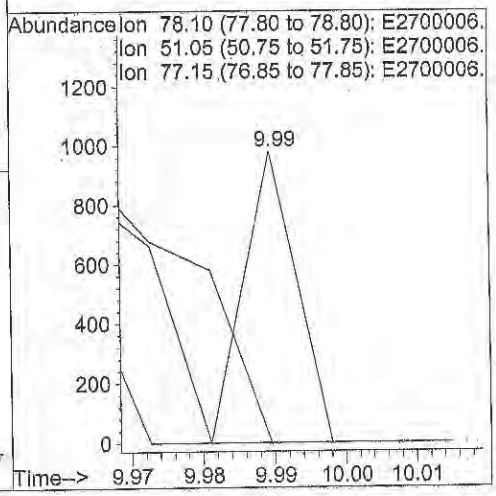


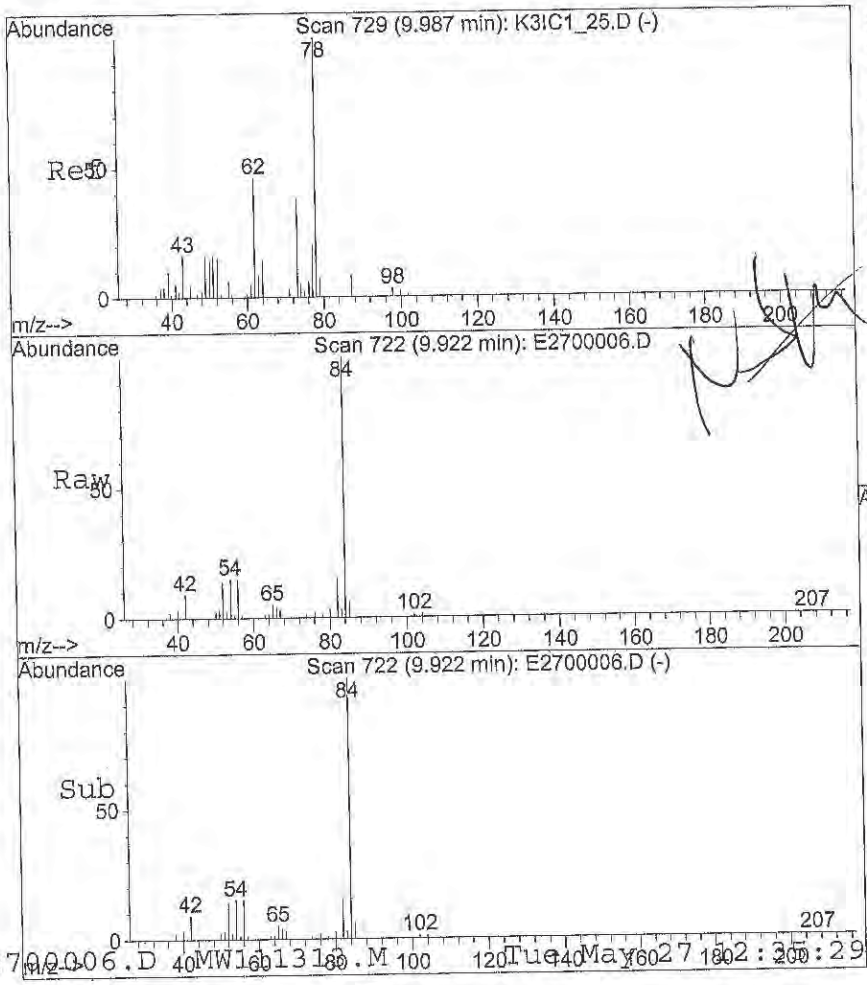


#31
Benzene
Concen: 0.03 ug/L
RT: 9.99 min Scan# 730
Delta R.T. 0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 78 Resp: 497

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

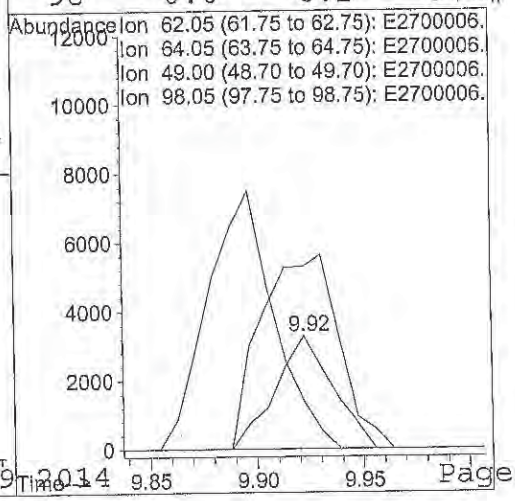


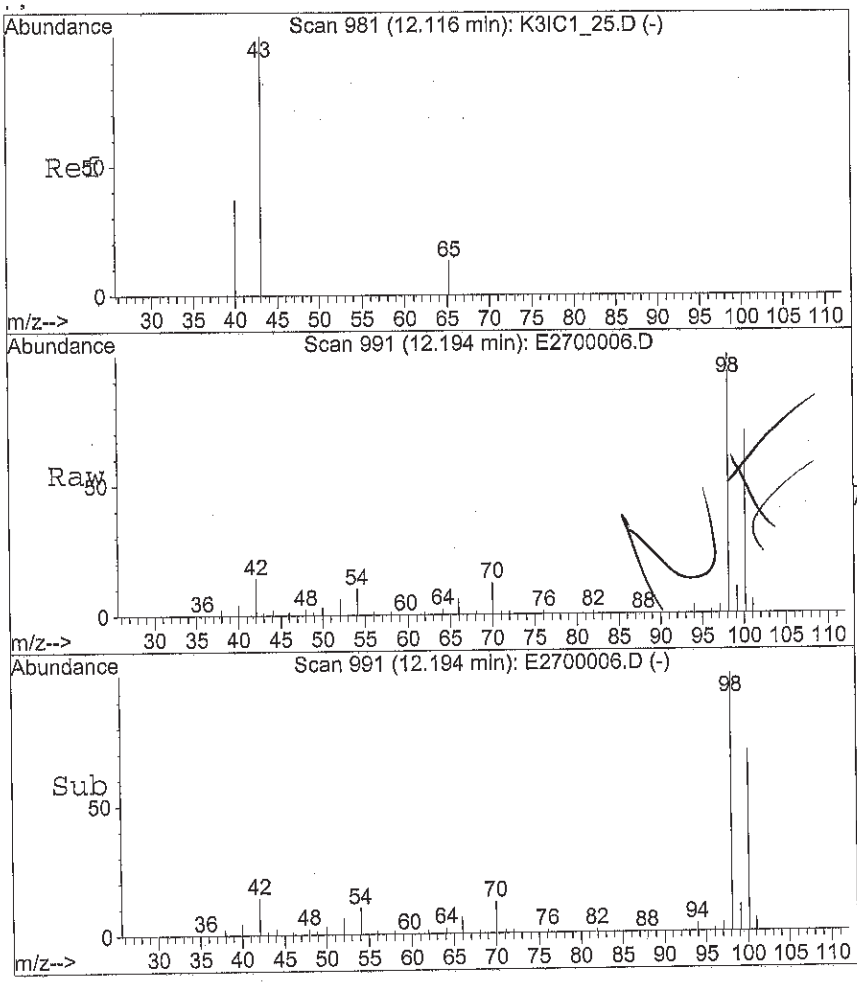


#32
1,2-Dichloroethane
Concen: 1.09 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.07 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 62 Resp: 6166

Ion	Ratio	Lower	Upper
62	100		
64	231.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

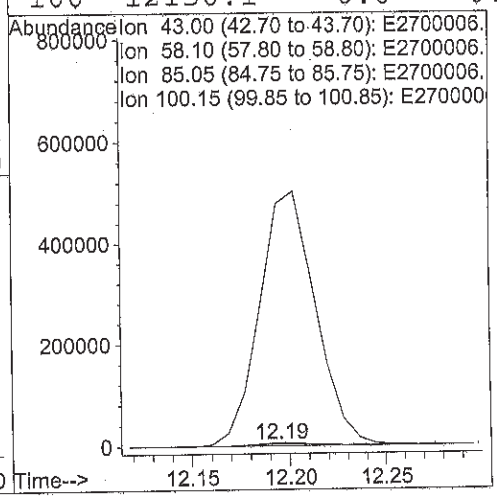


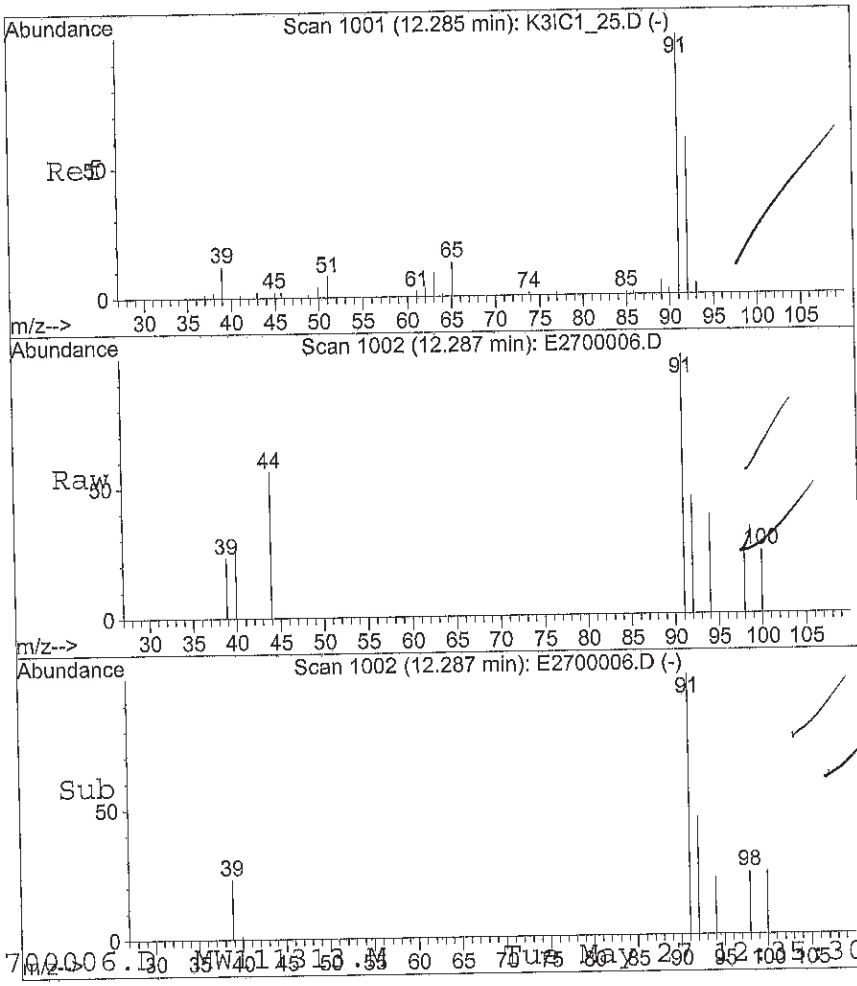


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.24 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 43 Resp: 8241

Ion	Ratio	Lower	Upper
43	100		
58	137.4	0.0	0.0#
85	0.0	0.0	0.0
100	12150.1	0.0	0.0#

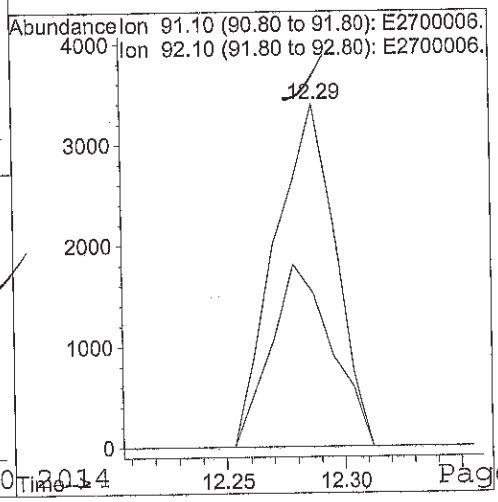


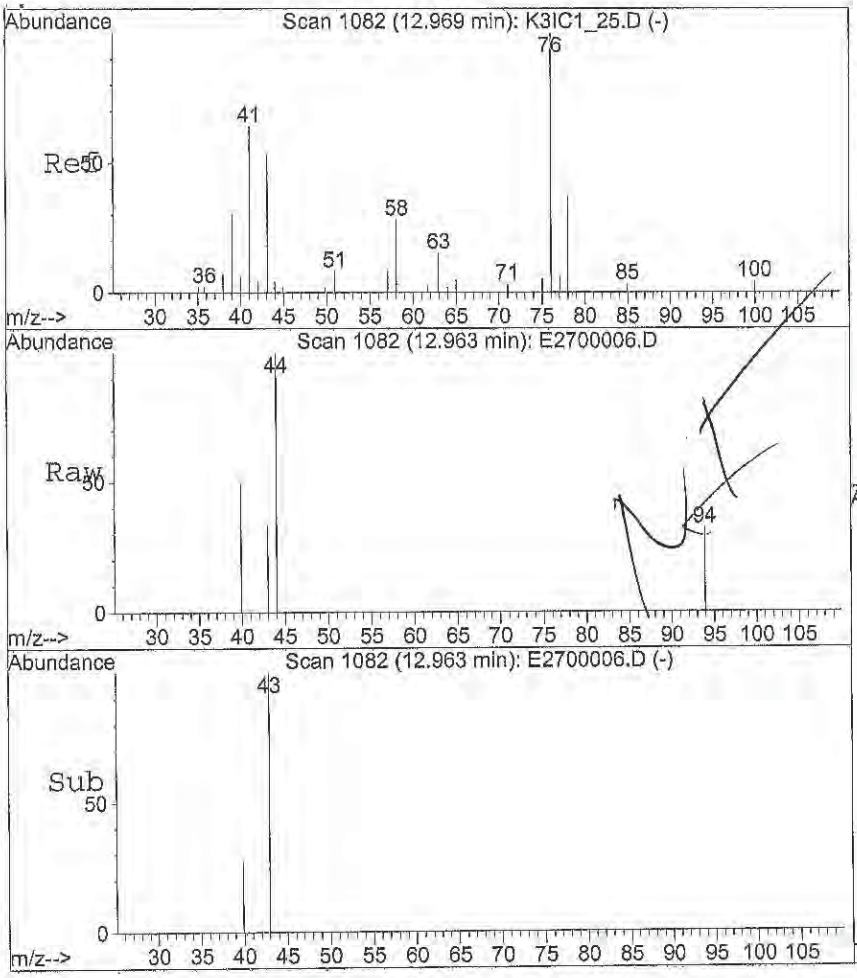


#41
Toluene
Concen: 0.35 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 91 Resp: 6030

Ion	Ratio	Lower	Upper
91	100		
92	53.6	47.4	71.0

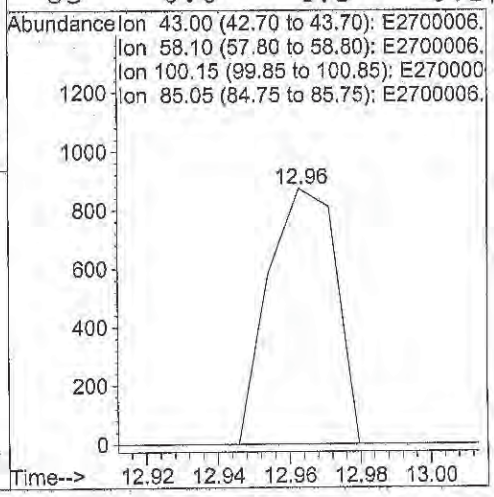


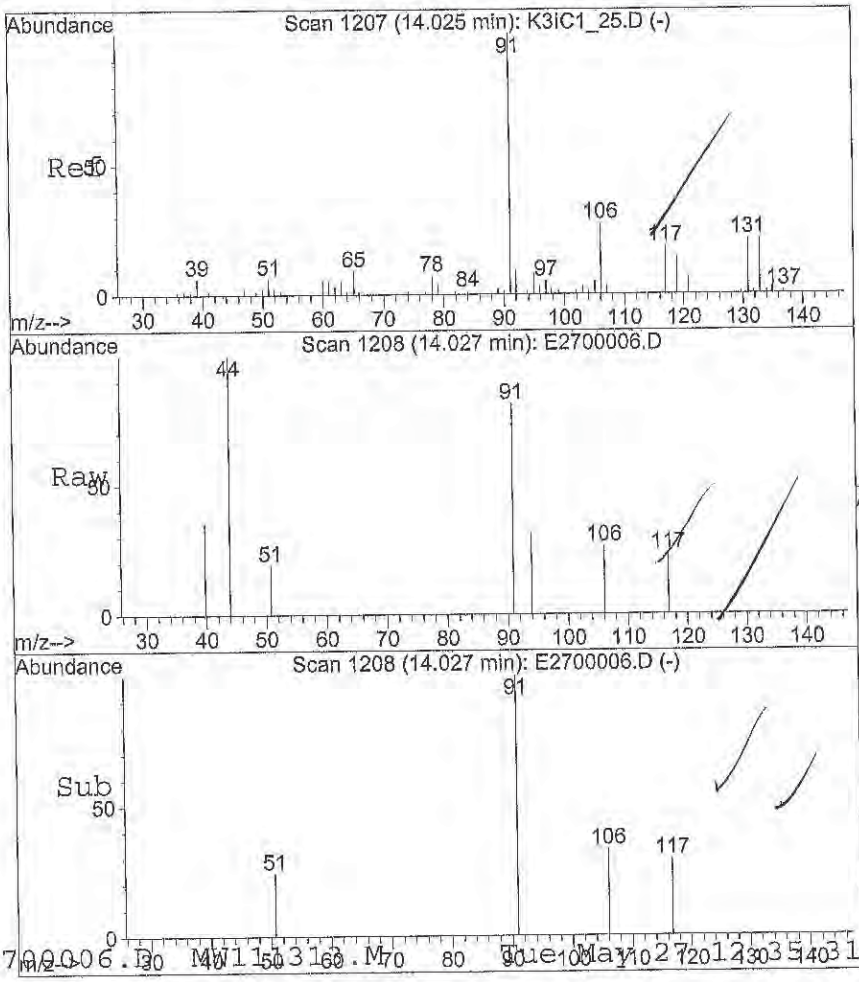


#46
2-Hexanone
Concen: 0.41 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 43 Resp: 1149

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

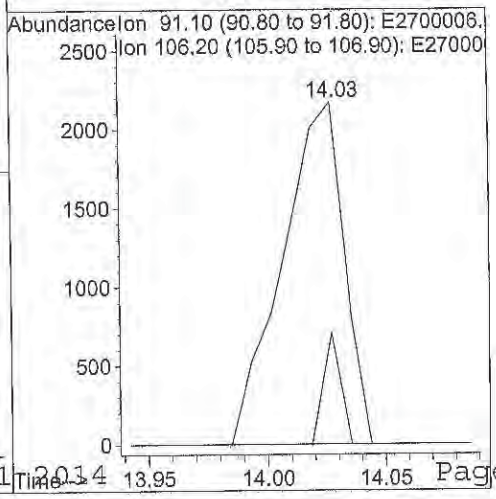


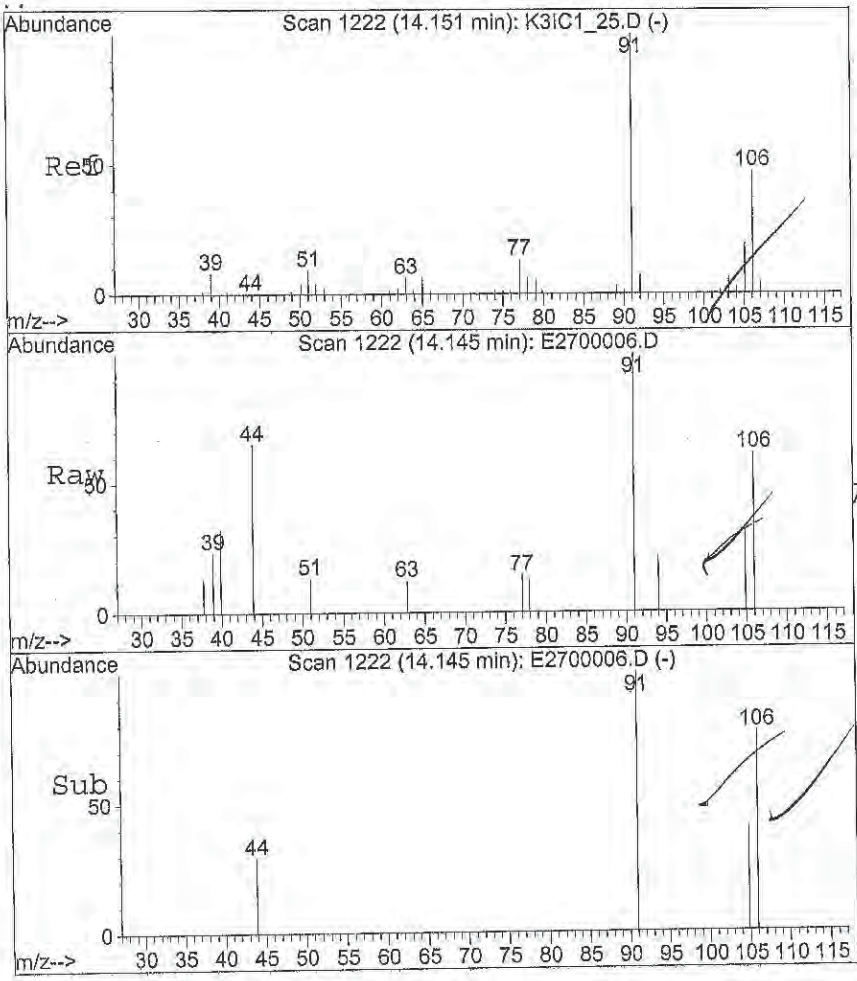


#51
Ethylbenzene
Concen: 0.20 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 91 Resp: 3922

Ion	Ratio	Lower	Upper
91	100		
106	9.1	23.5	35.3#

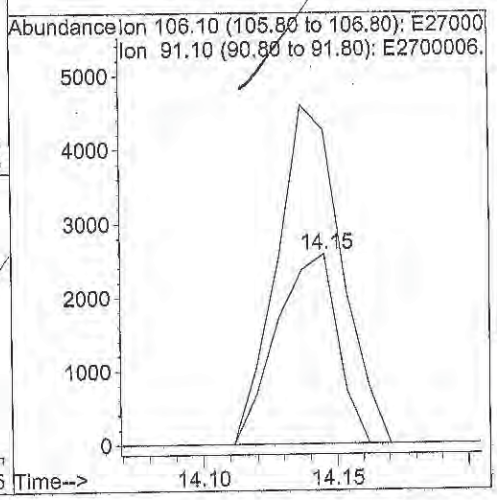


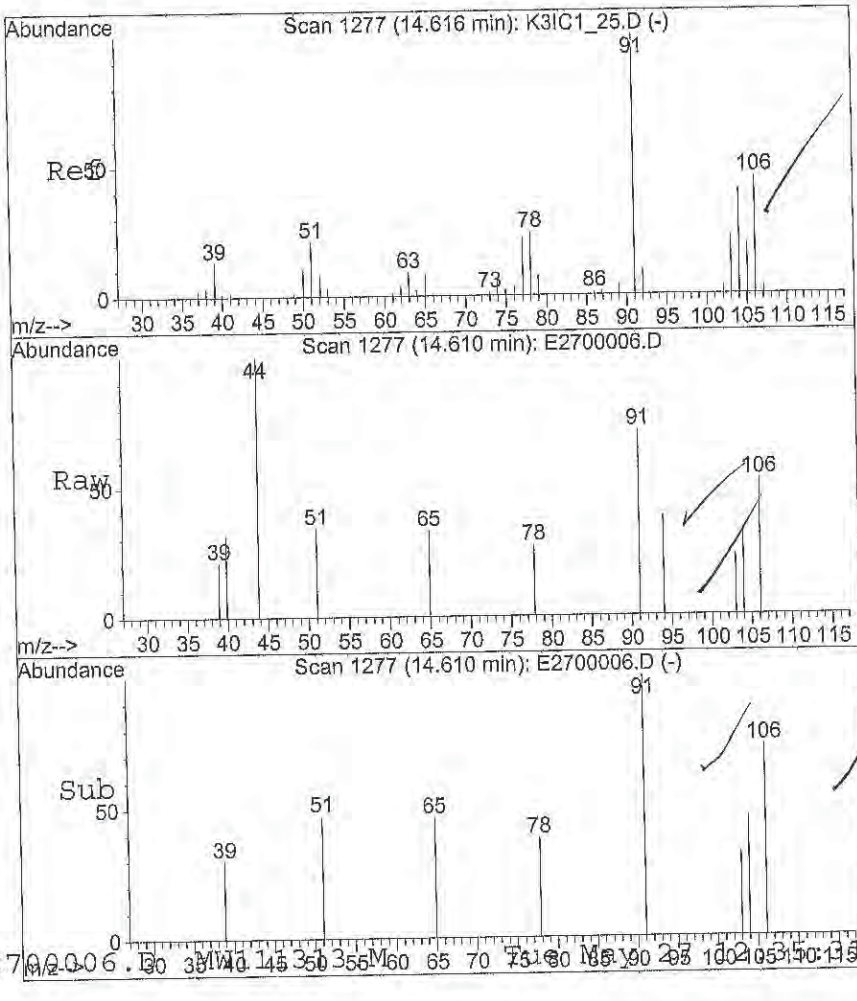


#52
m,p-Xylenes
Concen: 0.58 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:106 Resp: 4083

Ion	Ratio	Lower	Upper
106	100		
91	189.4	177.1	265.7

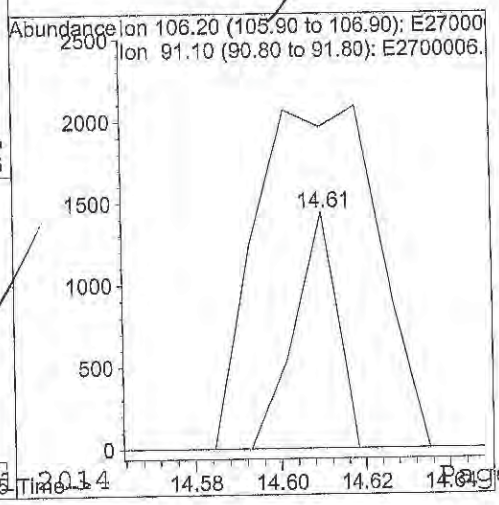


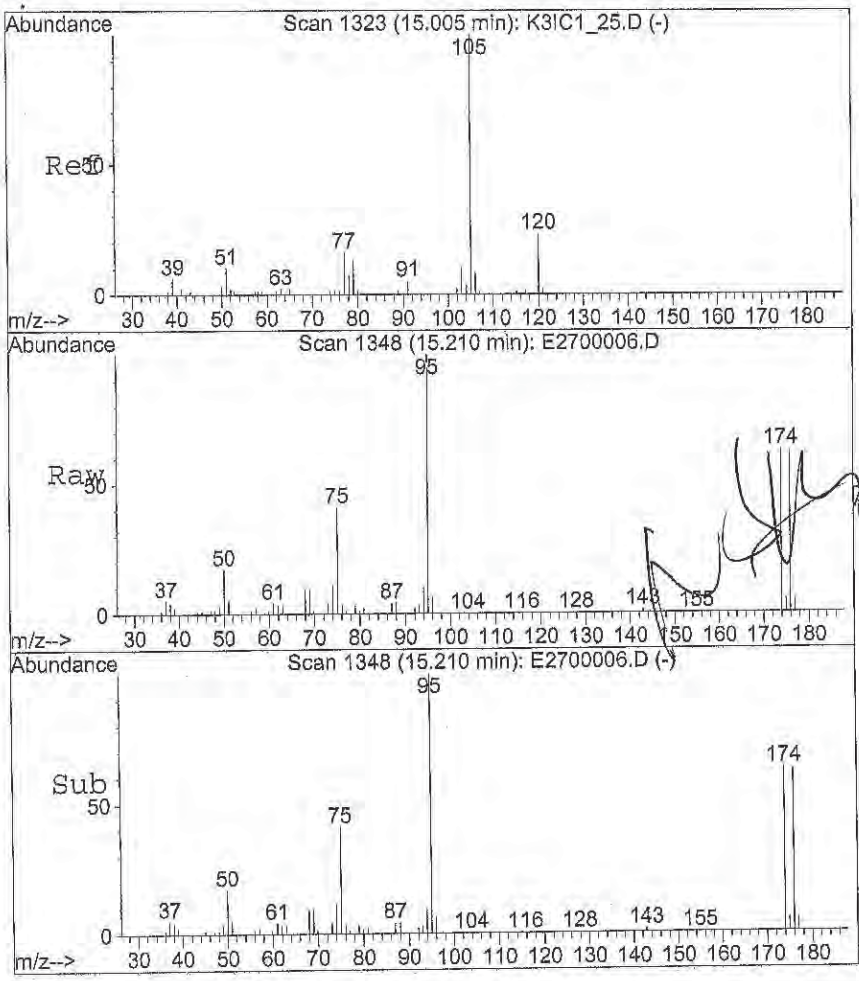


#53
o-Xylene
Concen: 0.14 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:106 Resp: 1001

Ion	Ratio	Lower	Upper
106	100		
91	417.8	179.0	268.6#

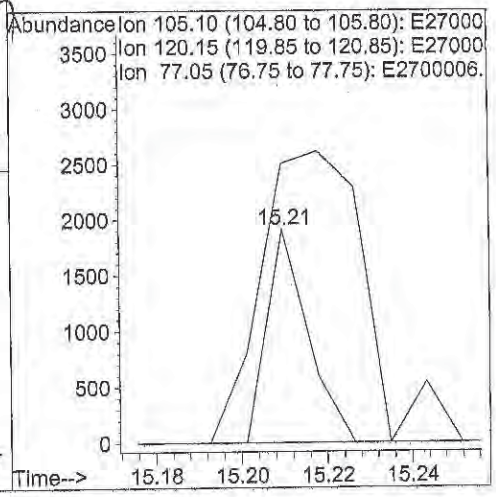


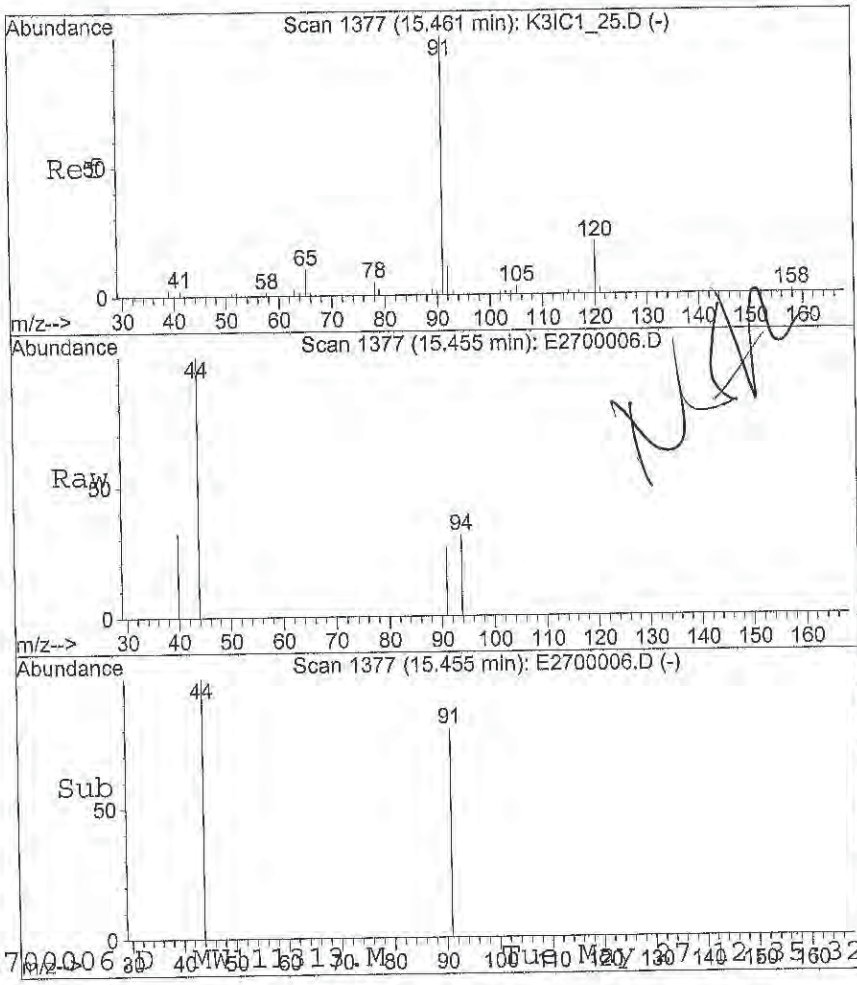


#56
Isopropylbenzene
Concen: 0.07 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. 0.21 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:105 Resp: 1266

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	349.6	13.1	19.7#

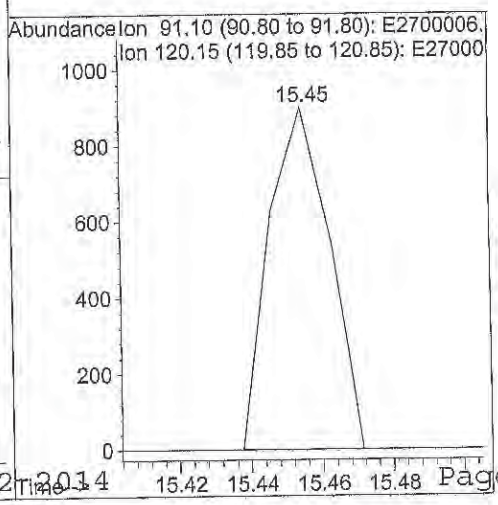


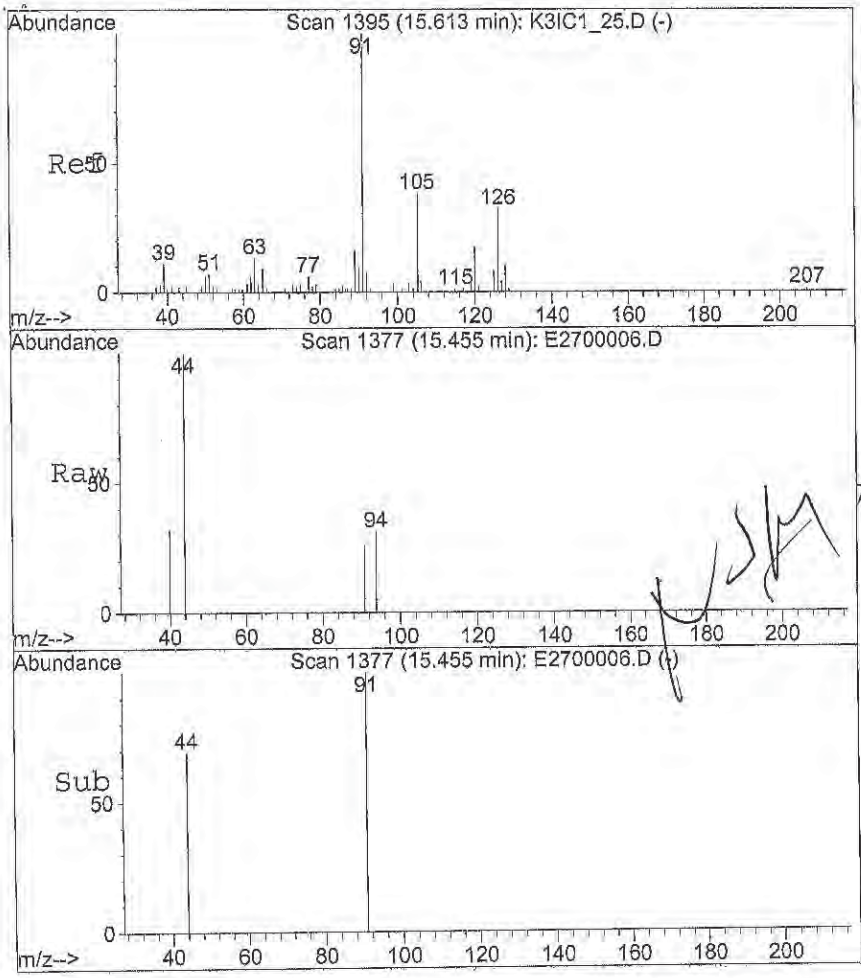


#62
n-Propylbenzene
Concen: 0.04 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 91 Resp: 1050

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

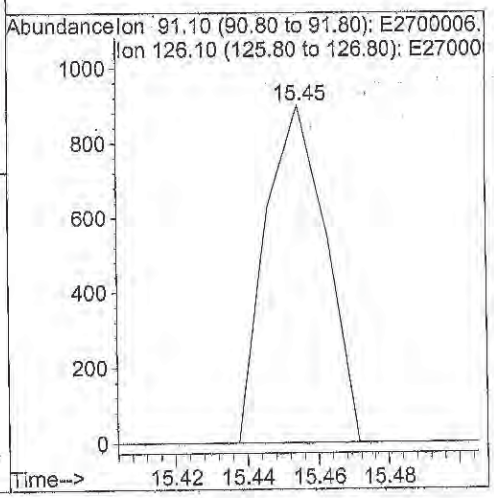


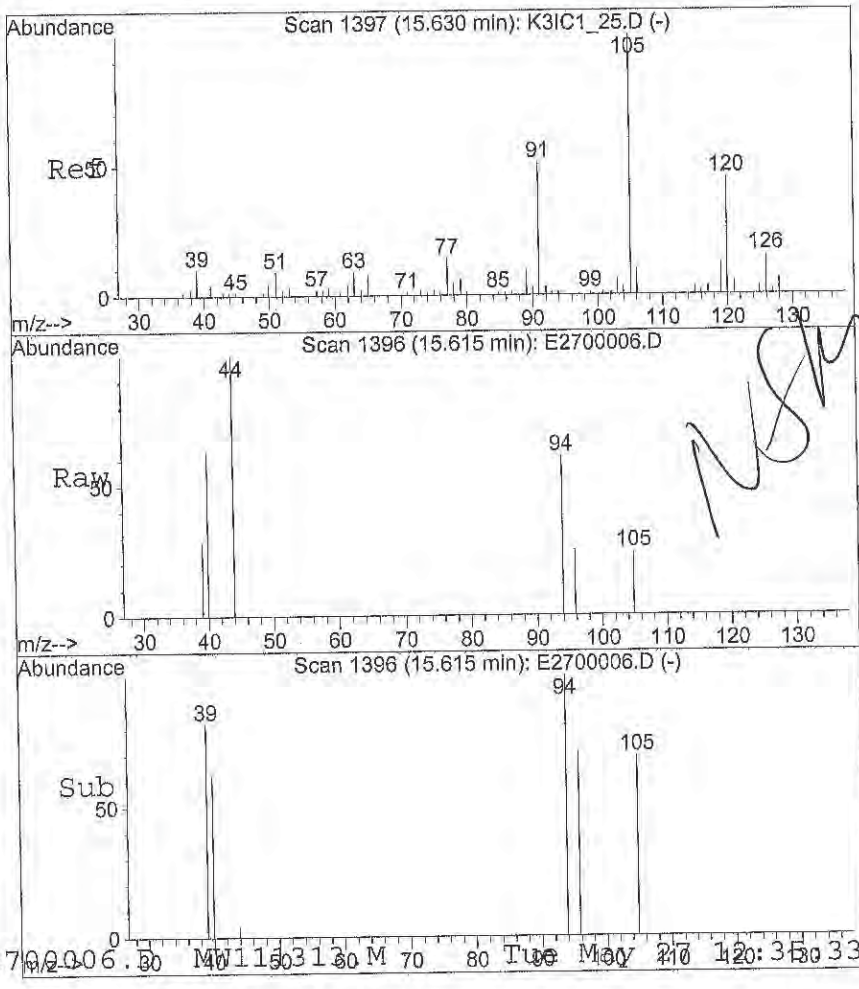


#63
2-Chlorotoluene
Concen: 0.06 ug/L
RT: 15.45 min Scan# 1377
Delta R.T. -0.16 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion: 91 Resp: 1050

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

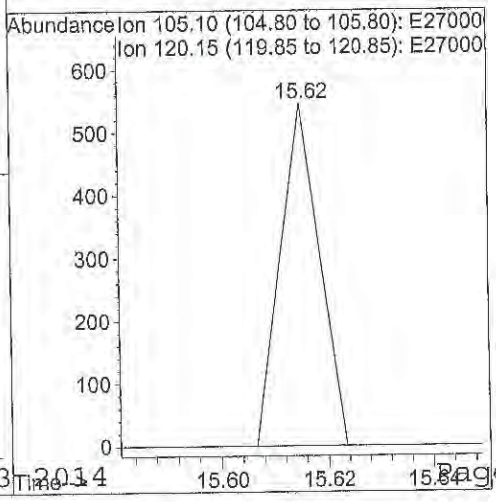


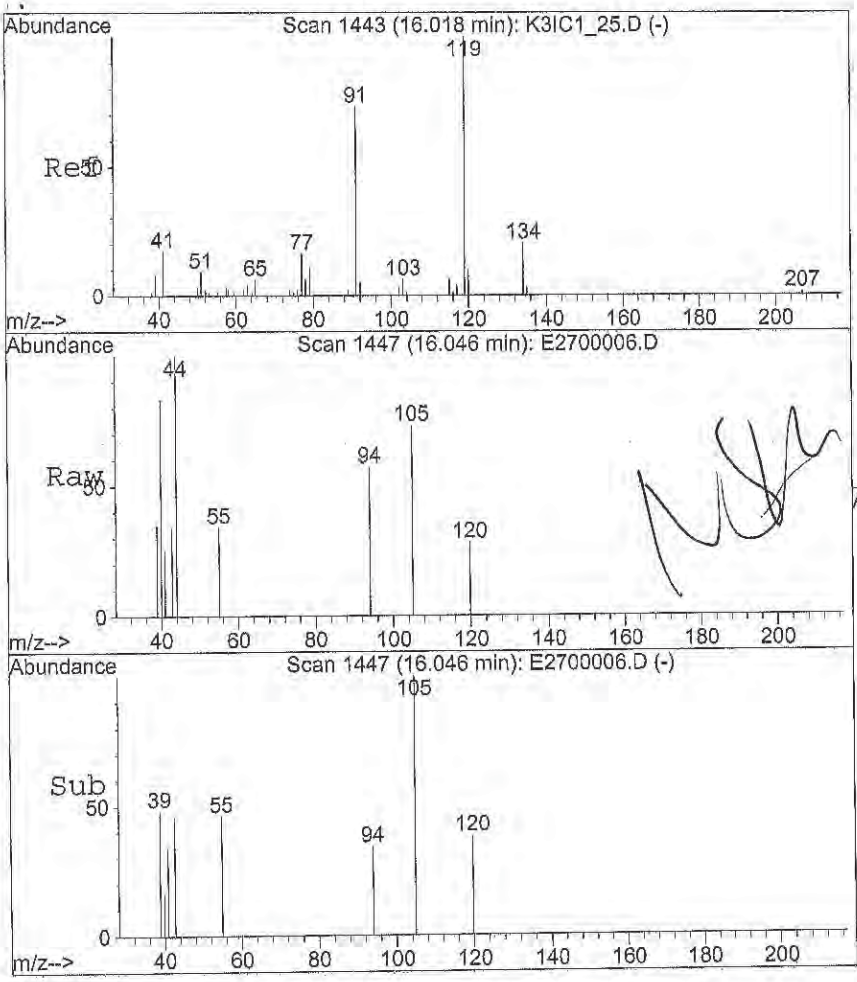


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:105 Resp: 277

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

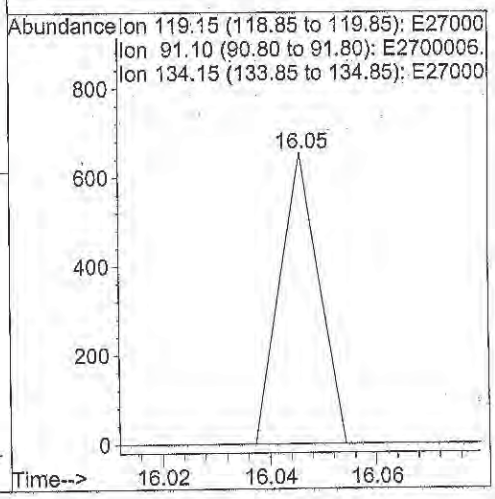


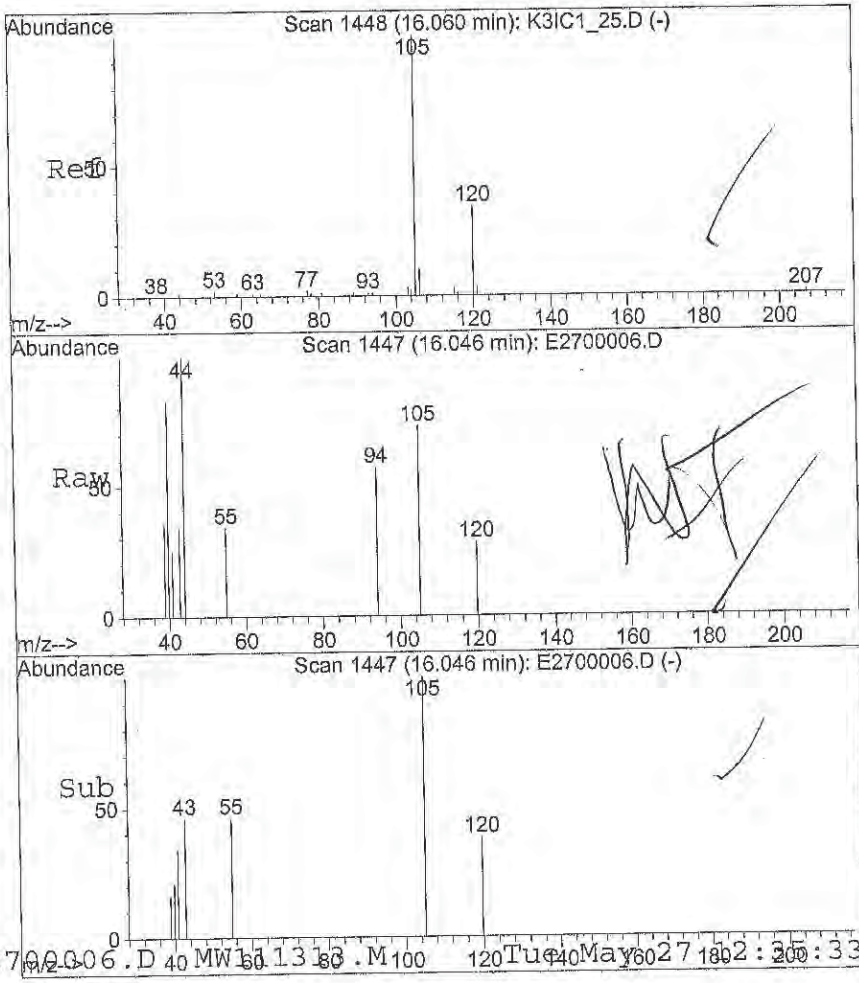


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:119 Resp: 331

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

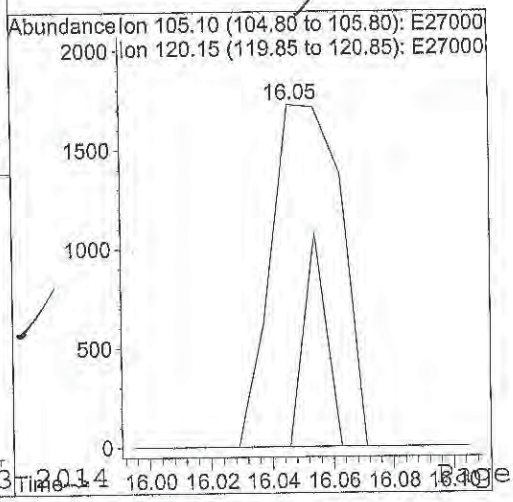


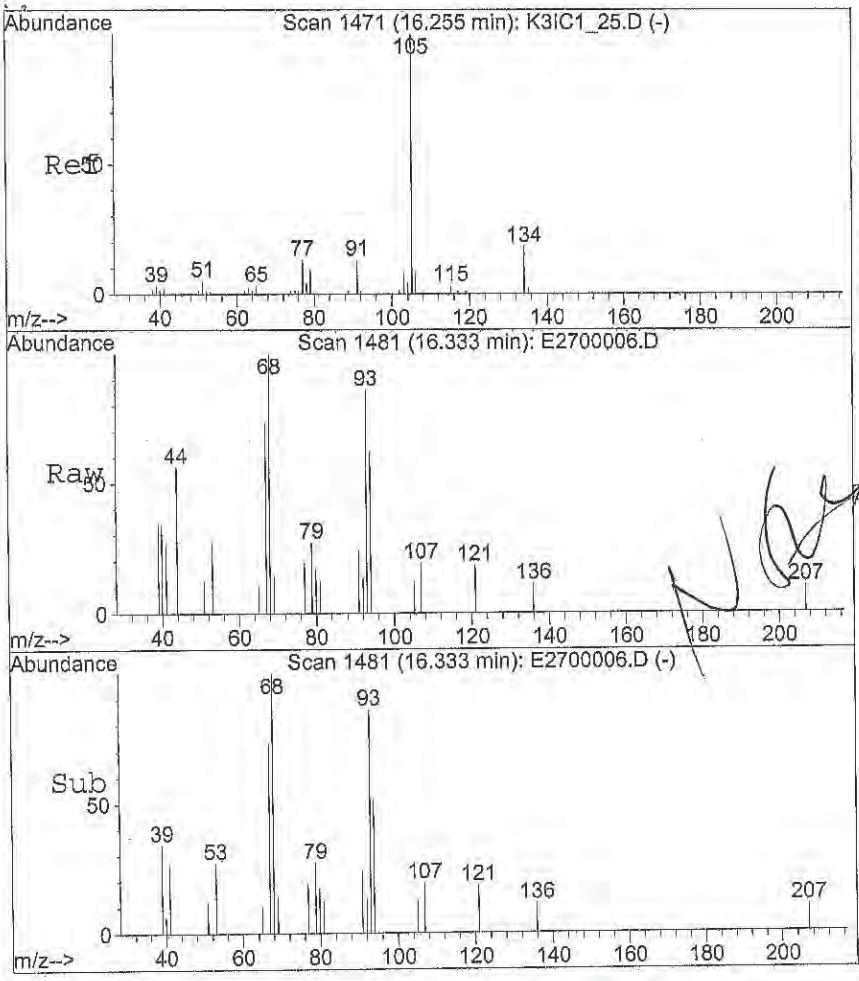


#67
1,2,4-Trimethylbenzene
Concen: 0.15 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:105 Resp: 2752

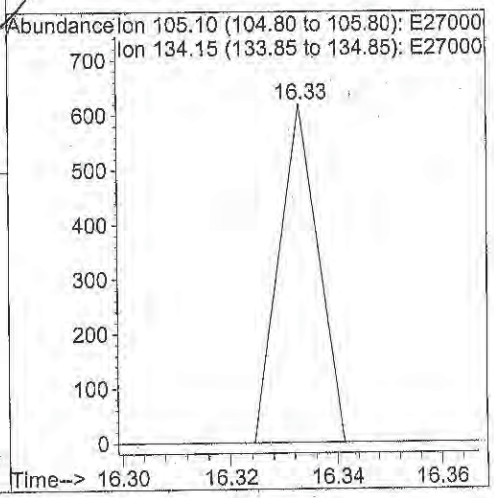
Ion	Ratio	Lower	Upper
105	100		
120	19.8	33.8	50.8#

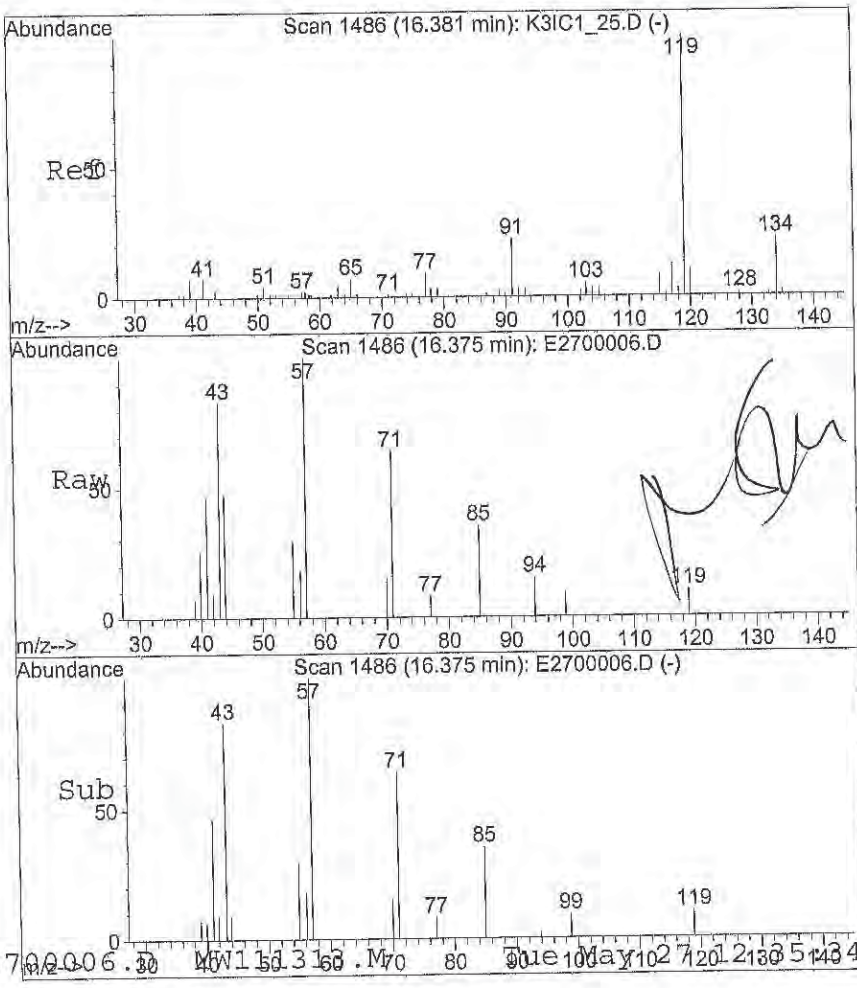




#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

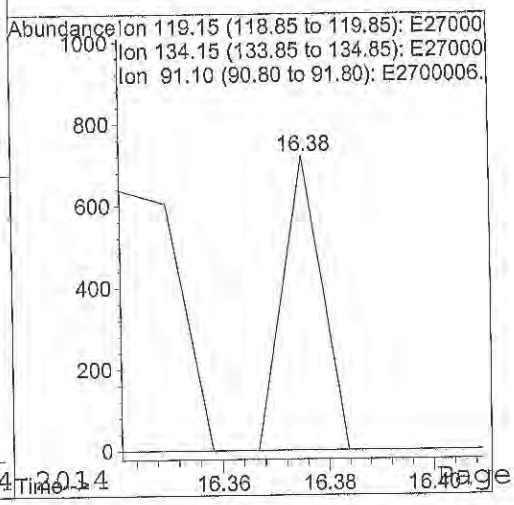
Tgt Ion:105	Resp:	314	
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

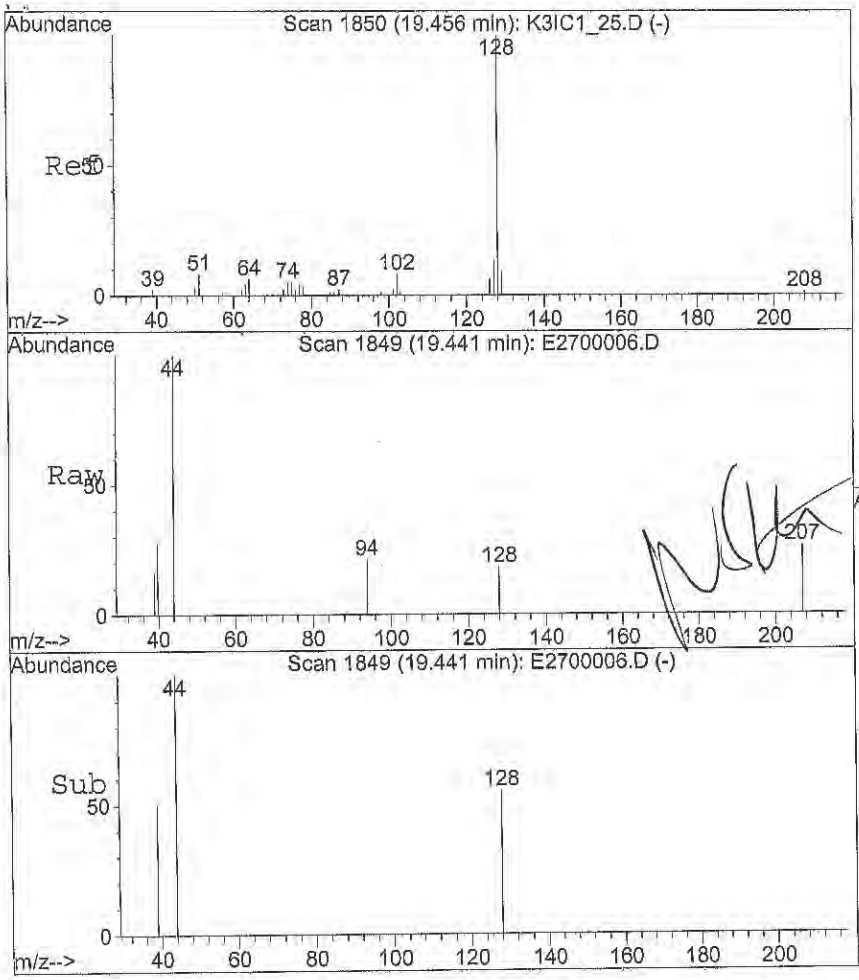




#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

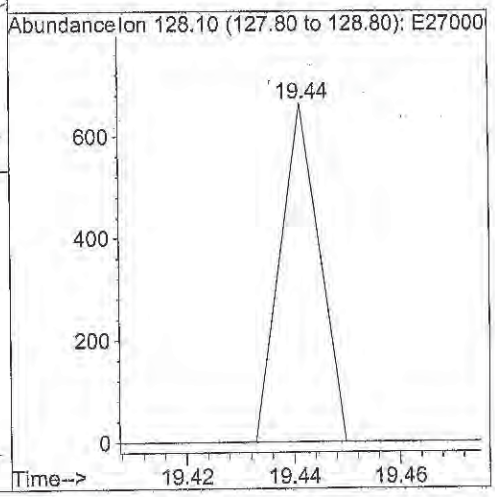
Tgt Ion:119	Resp:	365	
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.44 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2700006.D
Acq: 27 May 2014 12:03 pm

Tgt Ion:128 Resp: 337



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700006.D Vial: 5
Acq On : 27 May 2014 12:03 pm Operator: DN
Sample : 3E42701-05 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-18.0-19.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:34 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1697668	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.91	117	1271700	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	687505	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	477777	10.82	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.56%			
3) Chloroform-d (SU6)	9.18	84	774734	12.23	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 97.84%			
4) Methylene Chloride-d2 (SU5	7.07	86	449679	12.14	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 97.12%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	480401	15.92	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 127.36%#			
6) Benzene-d6 (SU7)	9.92	84	1508415	11.32	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 90.56%			
8) Toluene-d8 (SU3)	12.20	98	1488174	12.33	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.64%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	713802	14.33	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 114.64%			

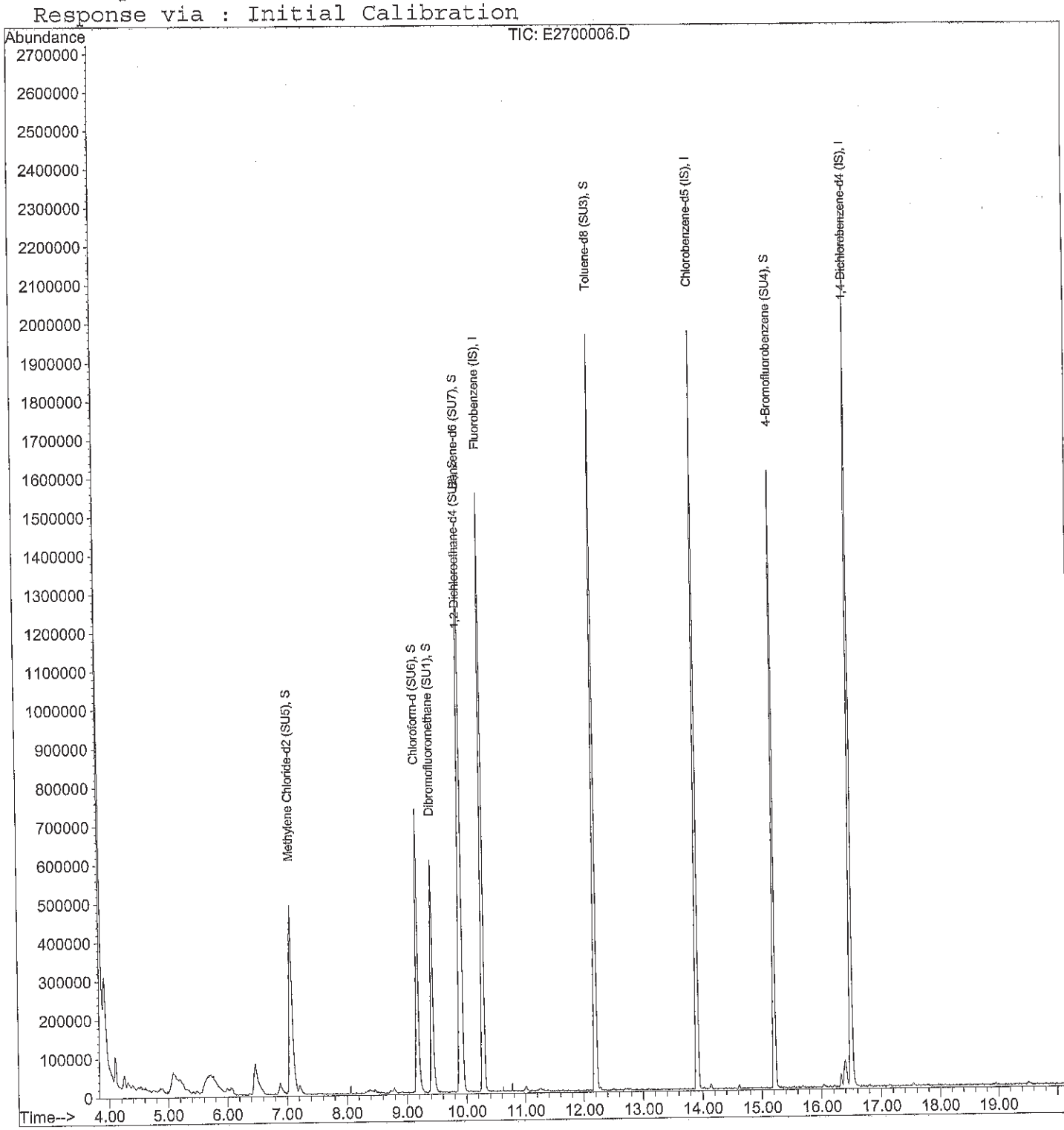
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700006.D Vial: 5
Acq On : 27 May 2014 12:03 pm Operator: DN
Sample : 3E42701-05 Inst : GC/MS Ins
Misc : 100cc SVL-502-SA5D-SV-18.0-19.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:34 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700007.D Vial: 6
Acq On : 27 May 2014 12:33 pm Operator: DN
Sample : 3E42701-06 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1848407	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1360103	12.50 ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	711592	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	504526	10.94 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.52%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	477785	10.90 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.20%		
39) Toluene-d8 (SU3)	12.20	98	1603606	12.64 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 101.12%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	738691	13.28 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.24%		
Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	341	0.08 ~~ug/L~~ #	44
4) Chloromethane	4.39	50	4839	0.34 ~~ug/L~~ #	52
6) Bromomethane	5.09	96	10632	3.45 ~~ug/L~~	98
7) Chloroethane	5.29	64	1363	1.57 ~~ug/L~~	95
11) Acetone	6.45	58	16223	19.93 ~~ug/L~~	81
12) (IPA) Leak Check Compound	6.47	45	164073	738.69 ~~ug/L~~ #	87
13) Carbon disulfide	6.85	76	5807	0.38 ~~ug/L~~ #	76
14) Methylene Chloride	7.06	84	5708	1.12 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.89	59	4140	13.13 ~~ug/L~~ #	77
19) cis-1,2-Dichloroethene	9.04	96	257	0.04 ~~ug/L~~ #	3
21) (MEK) 2-Butanone	8.81	72	371	0.71 ~~ug/L~~ #	1
24) Chloroform	9.21	83	2172	0.22 ~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.33	59	1027	0.08 ~~ug/L~~ #	44
31) Benzene	9.92	78	9124	0.52 ~~ug/L~~ #	77
32) 1,2-Dichloroethane	9.93	62	6455	1.05 ~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	6862	2.53 ~~ug/L~~ #	100
41) Toluene	12.28	91	15225	0.82 ug/L	95
46) 2-Hexanone	12.96	43	769	0.26 ~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	7558	0.36 ug/L	73
52) m,p-Xylenes	14.14	106	8652	1.15 ug/L	85
53) o-Xylene	14.61	106	4334	0.59 ug/L	90
54) Styrene	14.62	104	2683	-0.62 ~~ug/L~~ #	76

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700007.D Vial: 6
Acq On : 27 May 2014 12:33 pm Operator: DN
Sample : 3E42701-06 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

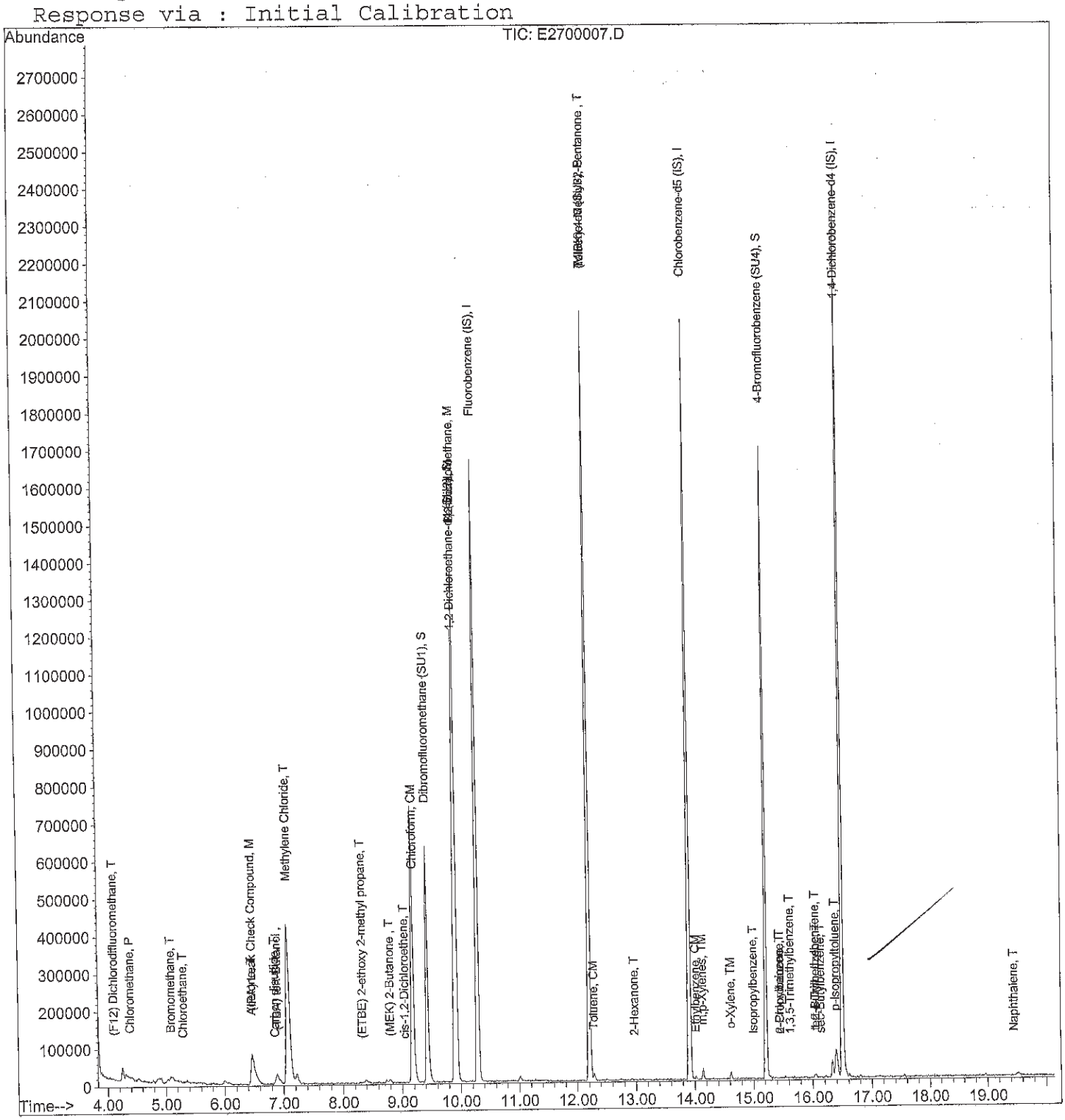
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56) Isopropylbenzene	14.99	105	259	0.01 ~~ug/L~~ #	55
62) n-Propylbenzene	15.46	91	1476	0.05 ~~ug/L~~ #	56
63) 2-Chlorotoluene	15.46	91	1476	0.08 ~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.62	105	289	0.02 ~~ug/L~~ #	31
66) tert-Butylbenzene	16.06	119	584	0.04 ~~ug/L~~ #	71
67) 1,2,4-Trimethylbenzene	16.06	105	3490	0.19 ug/L #	88
68) sec-Butylbenzene	16.14	105	594	0.02 ~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	917	0.05 ~~ug/L~~ #	52
77) Naphthalene	19.44	128	262	0.02 ~~ug/L~~	100

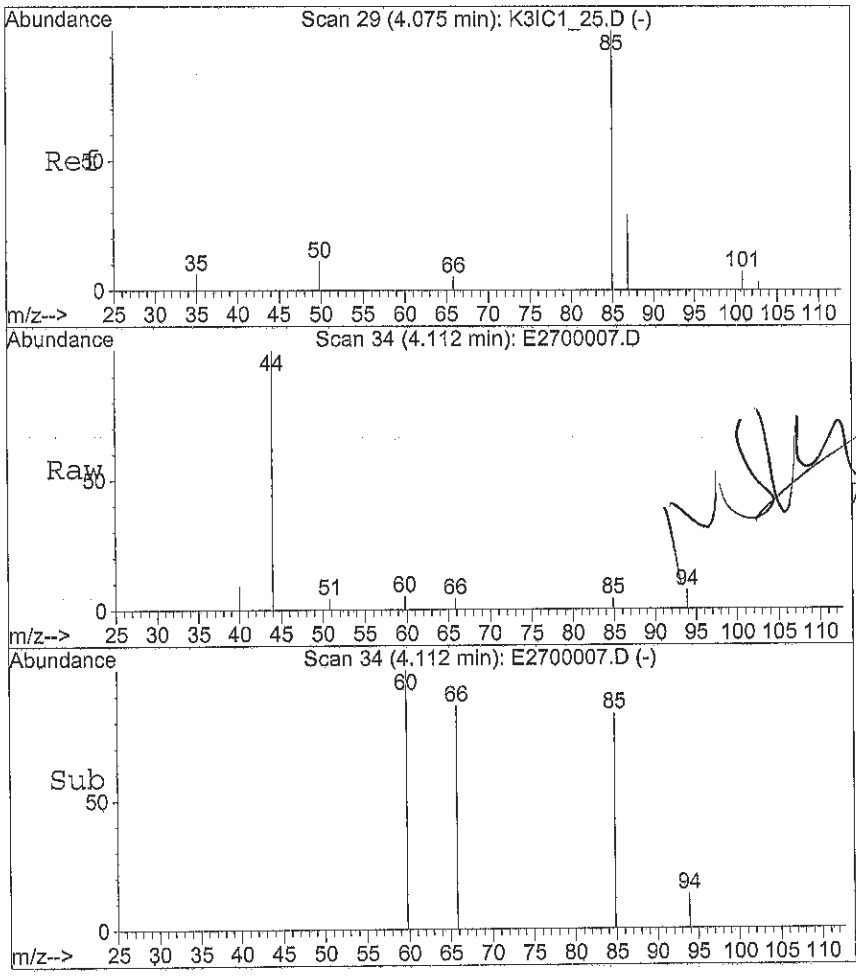
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700007.D Vial: 6
Acq On : 27 May 2014 12:33 pm Operator: DN
Sample : 3E42701-06 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:54 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

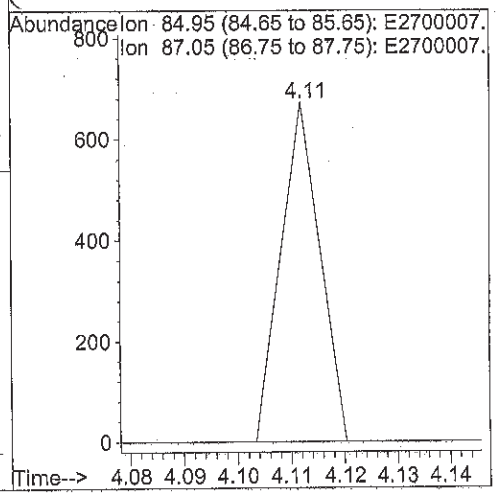


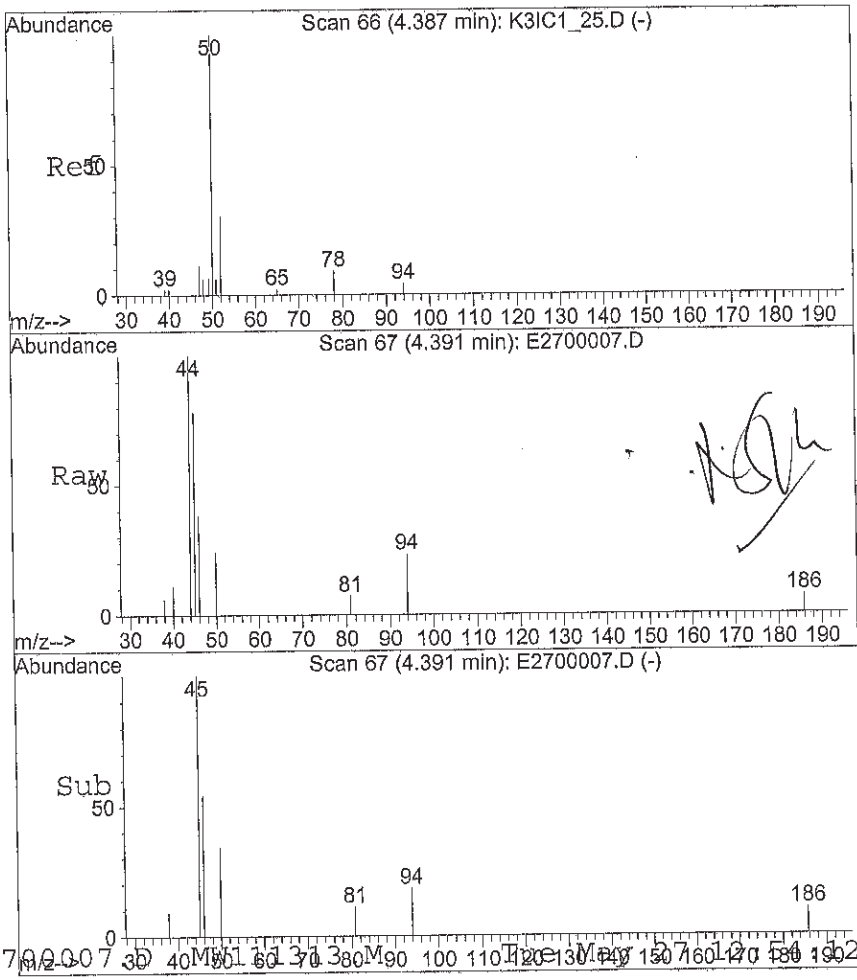


#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.11 min Scan# 34
Delta R.T. 0.04 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 85 Resp: 341

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

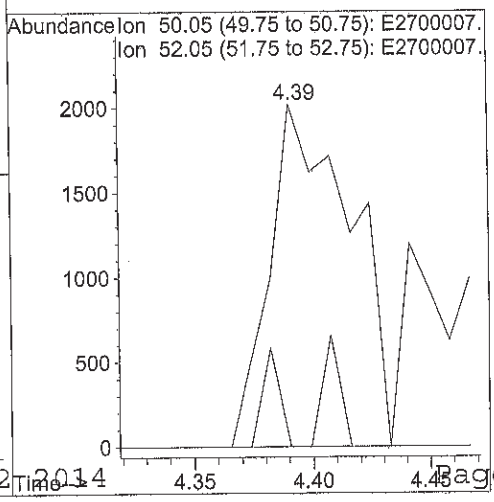


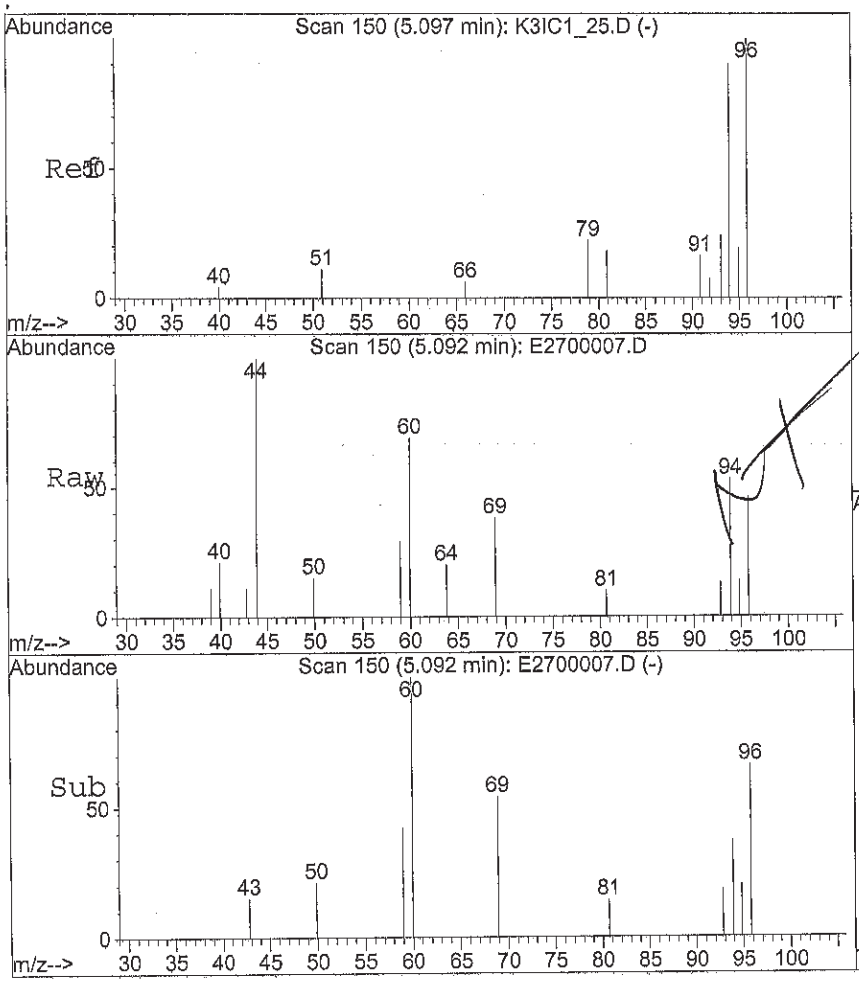


#4
Chloromethane
Concen: 0.34 ug/L
RT: 4.39 min Scan# 67
Delta R.T. 0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 50 Resp: 4839

Ion	Ratio	Lower	Upper
50	100		
52	6.1	26.9	40.3#

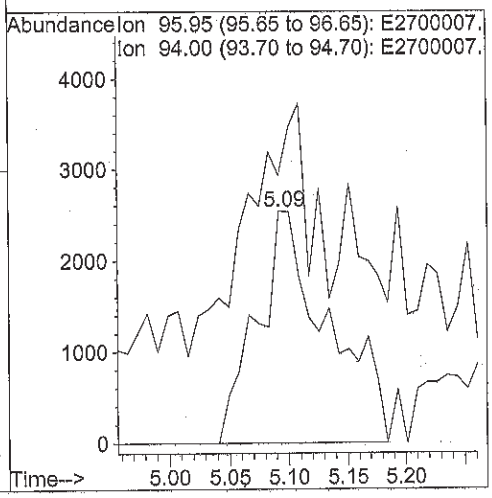


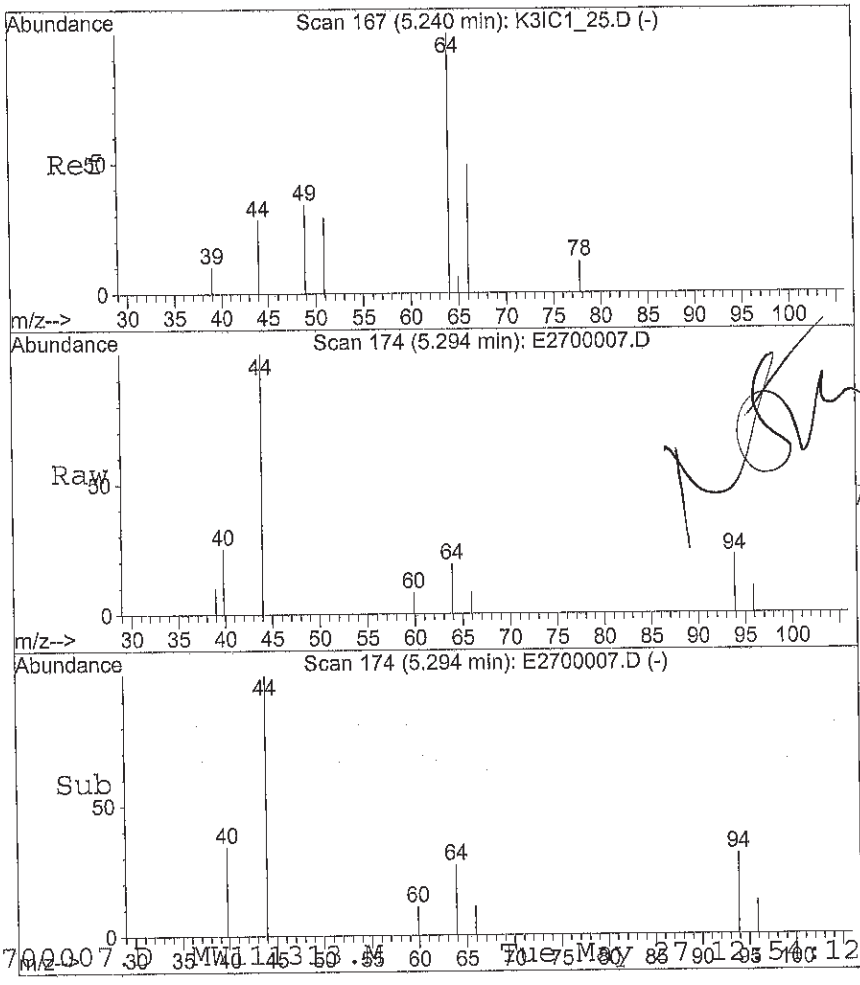


#6
Bromomethane
Concen: 3.45 ug/L
RT: 5.09 min Scan# 150
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 96 Resp: 10632

Ion	Ratio	Lower	Upper
96	100		
94	124.2	101.0	151.4

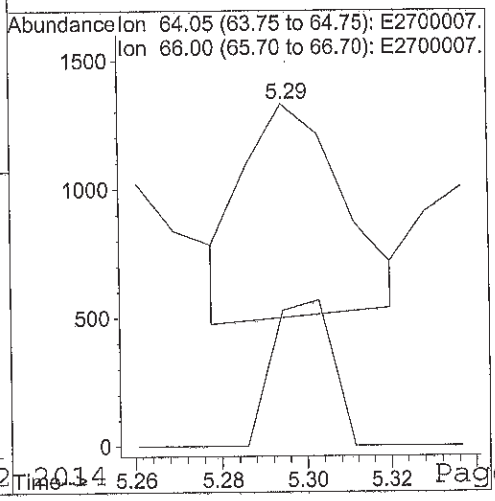


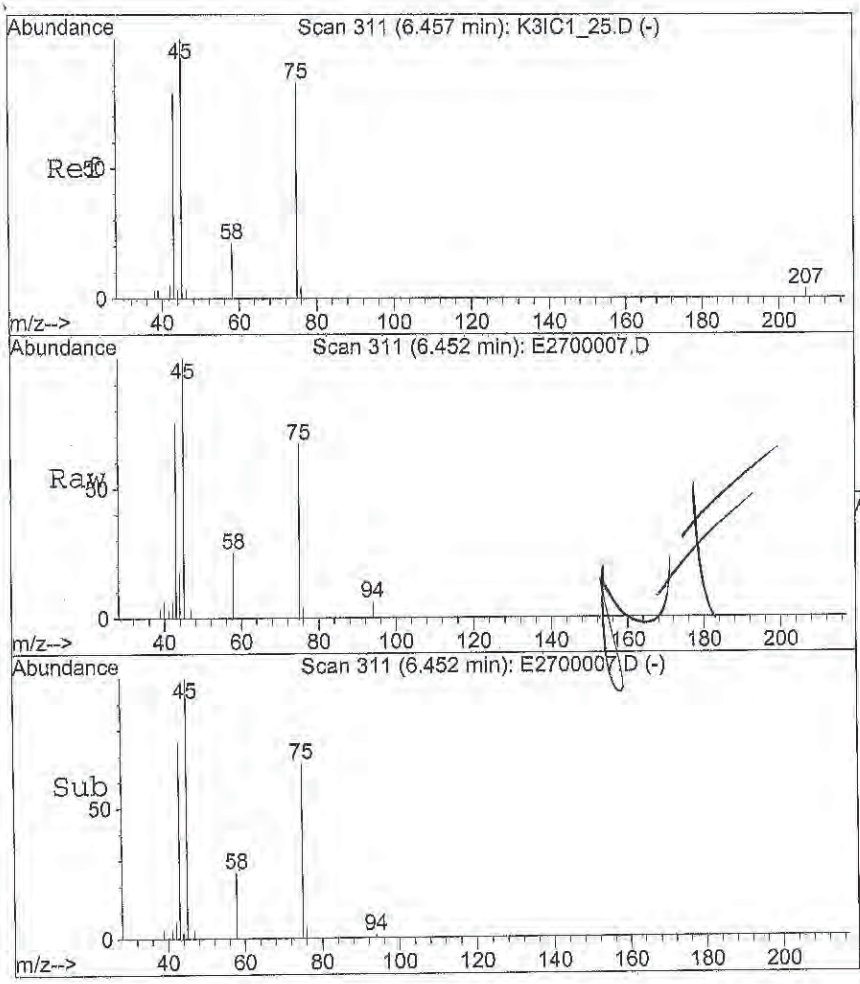


#7
Chloroethane
Concen: 1.57 ug/L
RT: 5.29 min Scan# 174
Delta R.T. 0.05 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 64 Resp: 1363

Ion	Ratio	Lower	Upper
64	100		
66	40.7	35.4	53.0

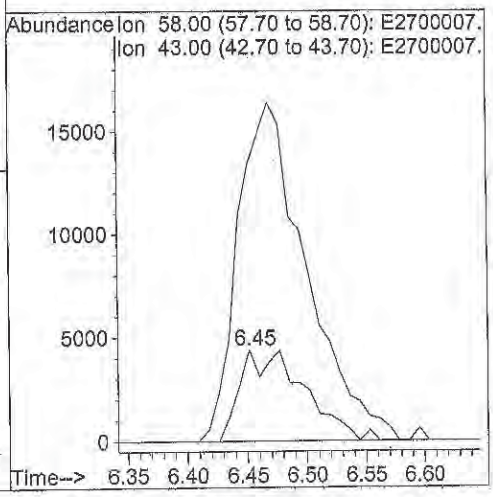


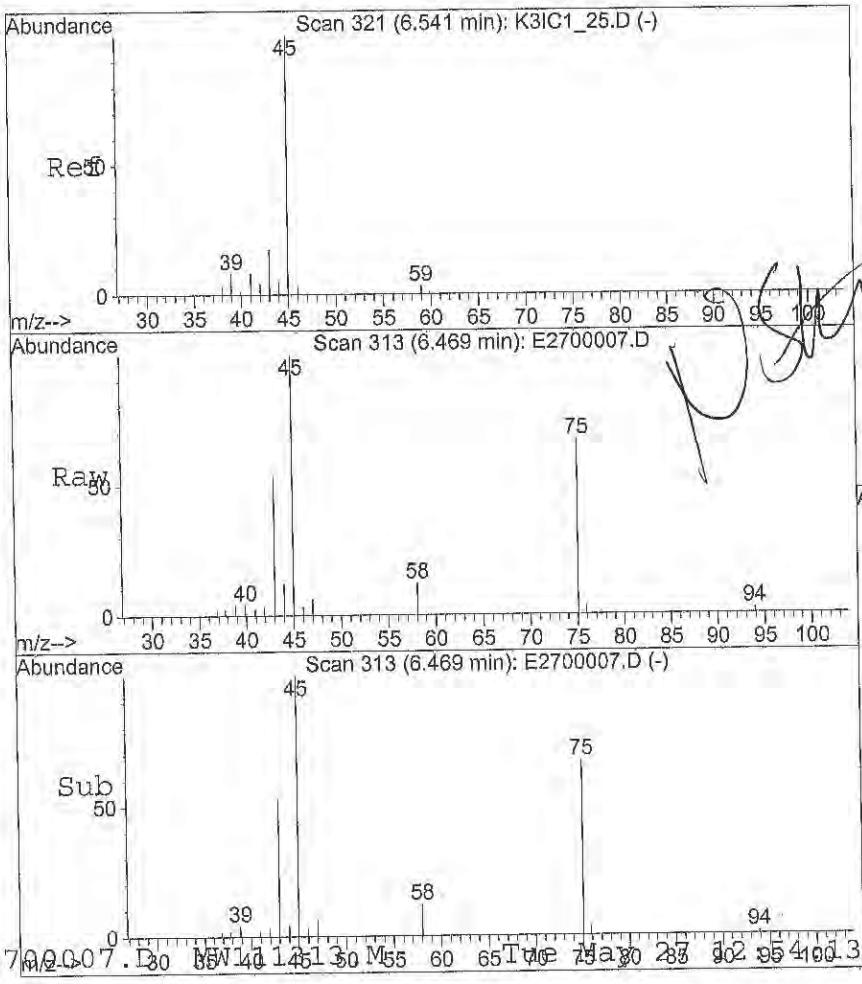


#11
Acetone
Concen: 19.93 ug/L
RT: 6.45 min Scan# 311
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 58 Resp: 16223

Ion	Ratio	Lower	Upper
58	100		
43	401.3	360.9	541.3

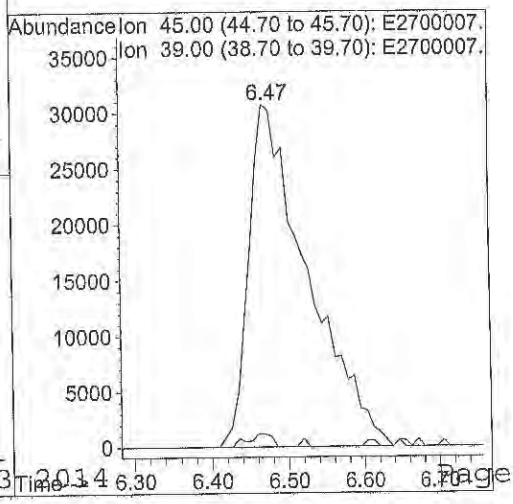


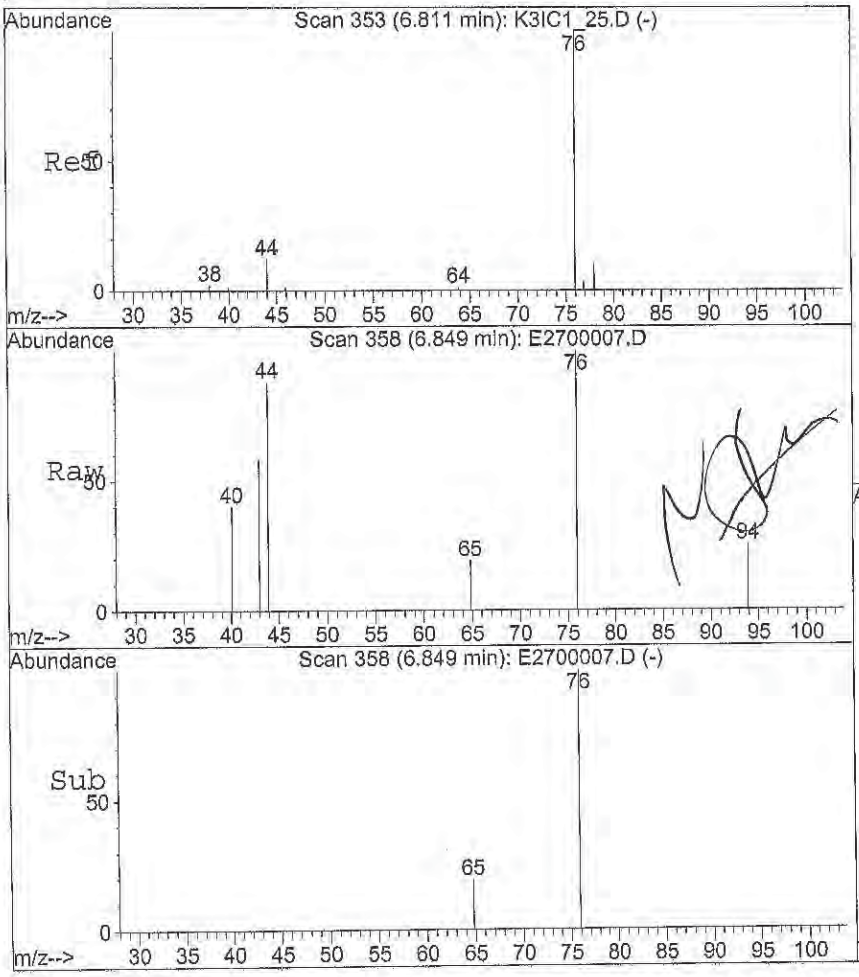


#12
(IPA) Leak Check Compound
Concen: 738.69 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 45 Resp: 164073

Ion	Ratio	Lower	Upper
45	100		
39	1.6	4.9	7.3#

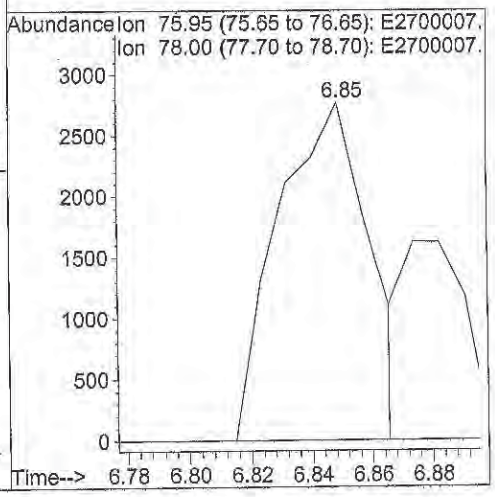


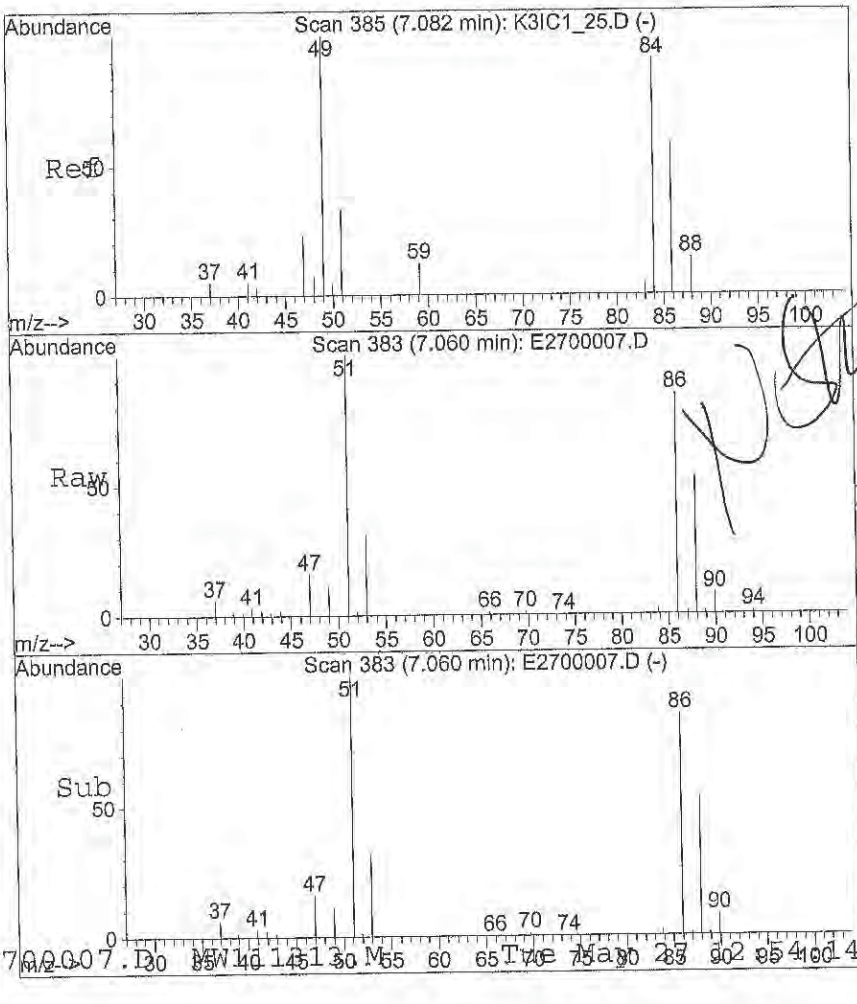


#13
Carbon disulfide
Concen: 0.38 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 76 Resp: 5807

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

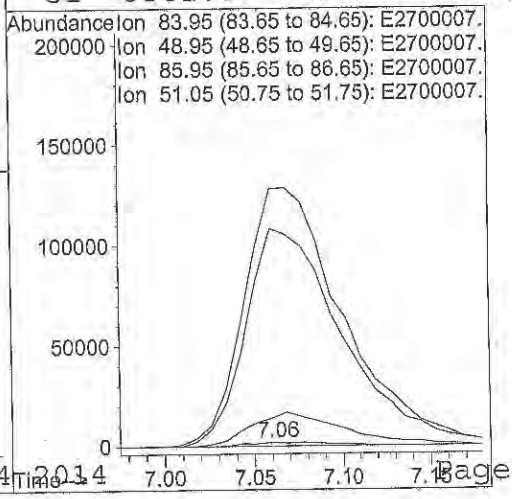


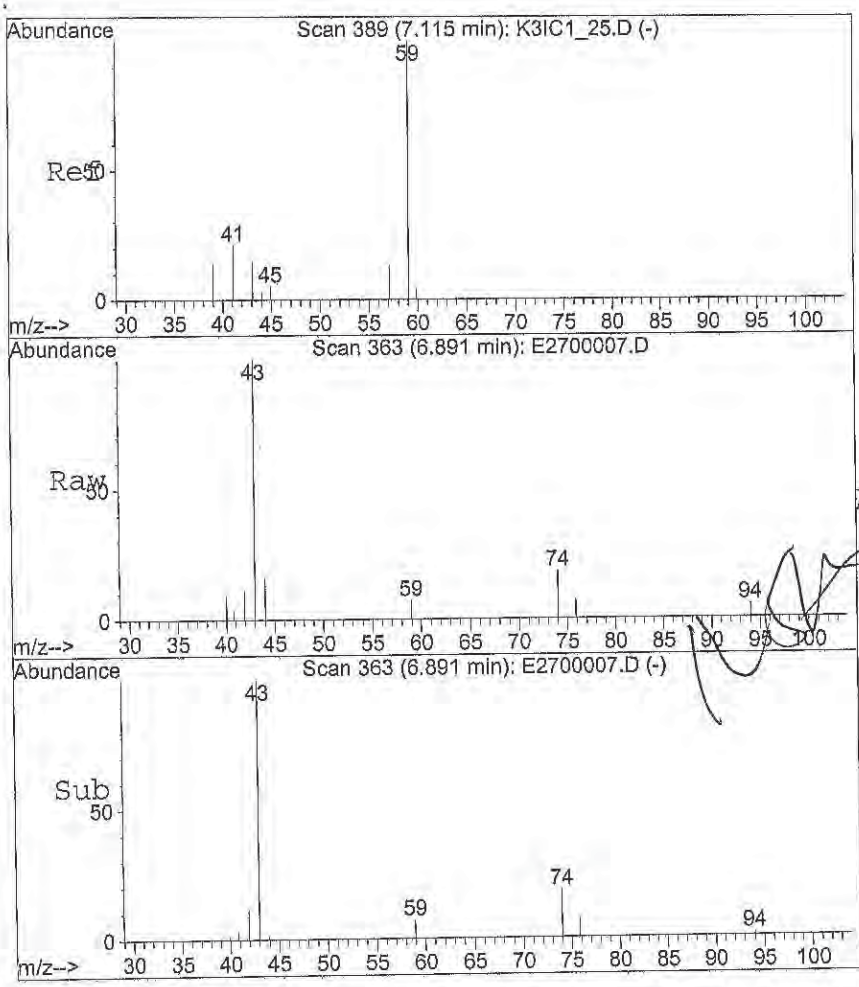


#14
Methylene Chloride
Concen: 1.12 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 84 Resp: 5708

Ion	Ratio	Lower	Upper
84	100		
49	1068.6	89.8	134.6#
86	7296.3	51.1	76.7#
51	8861.6	28.5	42.7#

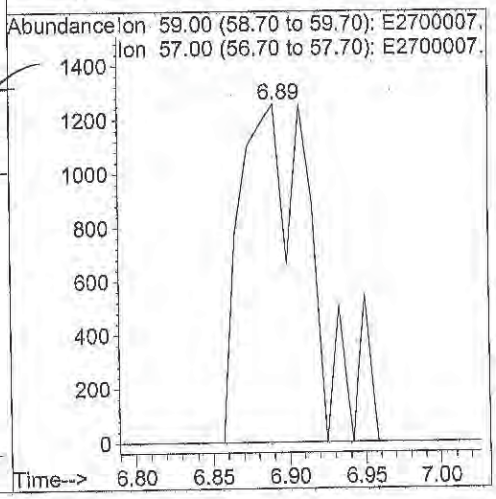


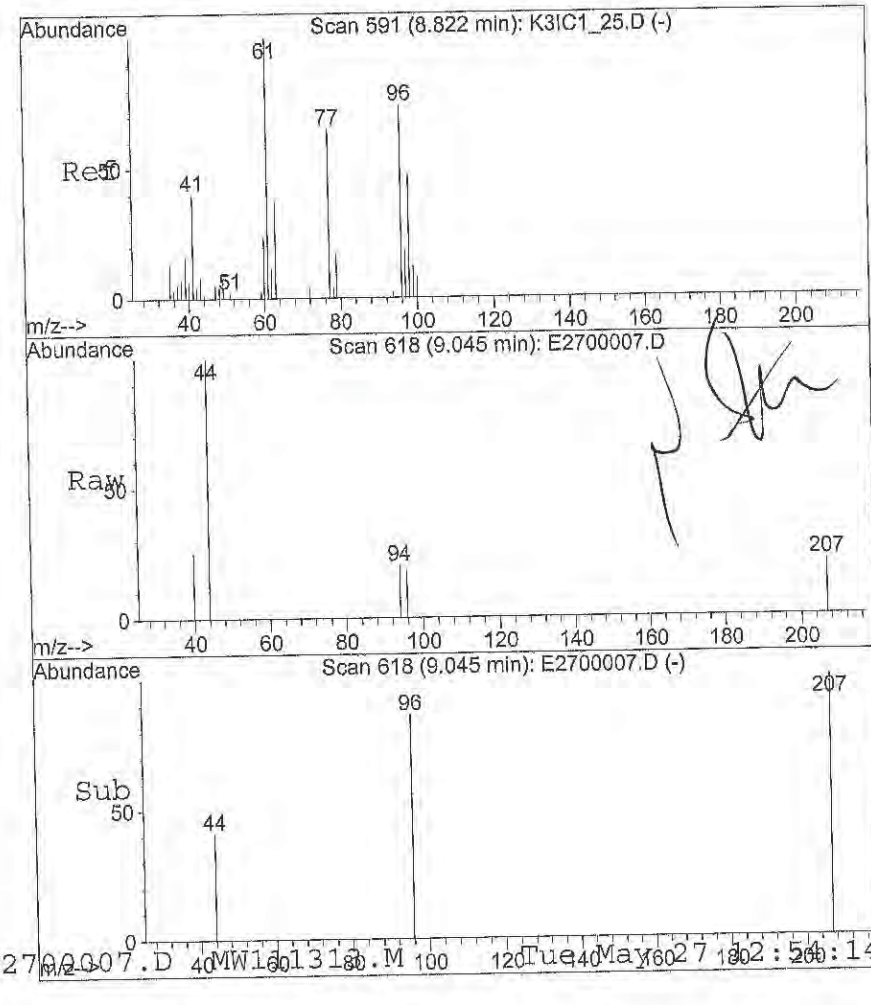


#15
(TBA) tert-Butanol
Concen: 13.13 ug/L
RT: 6.89 min Scan# 363
Delta R.T. -0.22 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 59 Resp: 4140

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

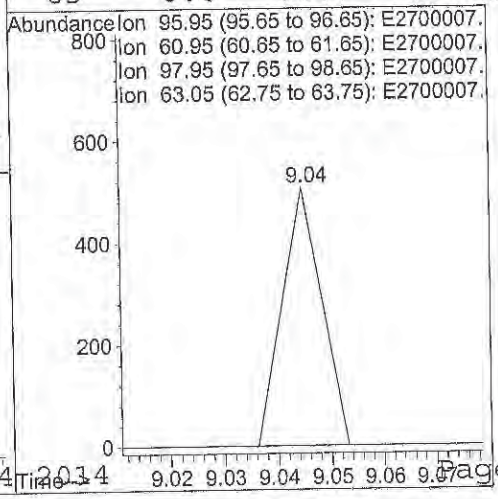


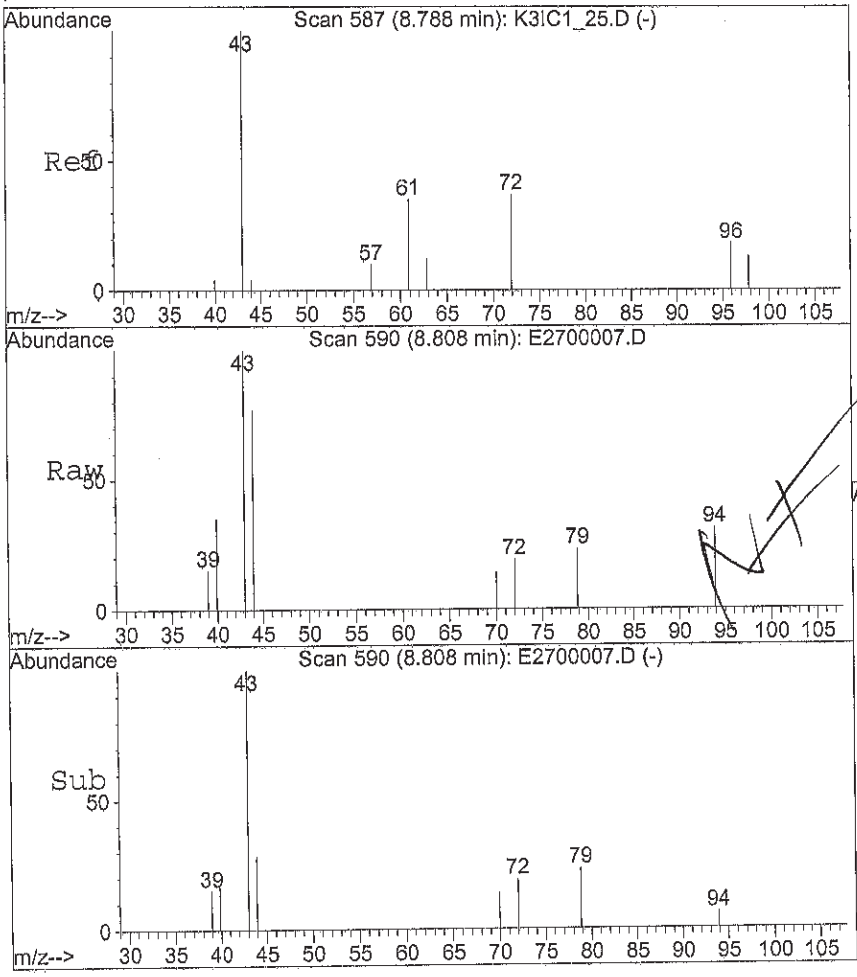


#19
cis-1,2-Dichloroethene
Concen: 0.04 ug/L
RT: 9.04 min Scan# 618
Delta R.T. 0.22 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 96 Resp: 257

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

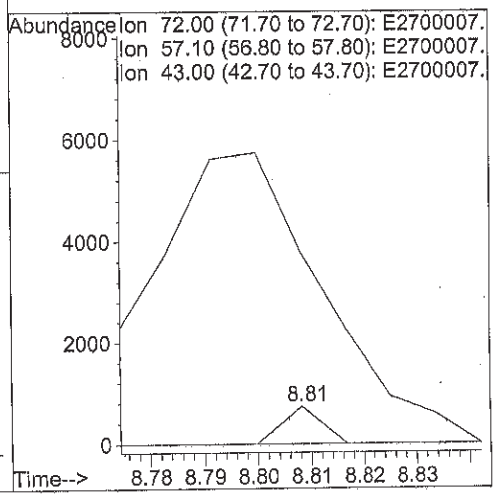


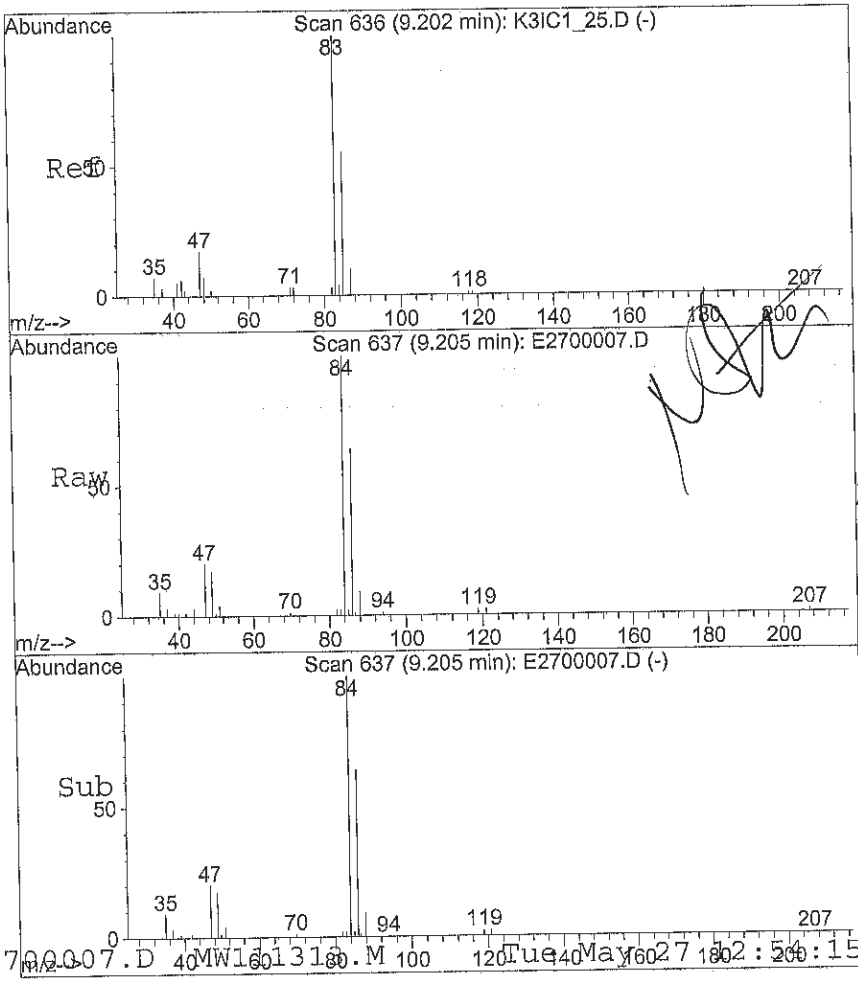


#21
(MEK) 2-Butanone
Concen: 0.71 ug/L
RT: 8.81 min Scan# 590
Delta R.T. 0.02 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 72 Resp: 371

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	3580.3	314.2	471.2#

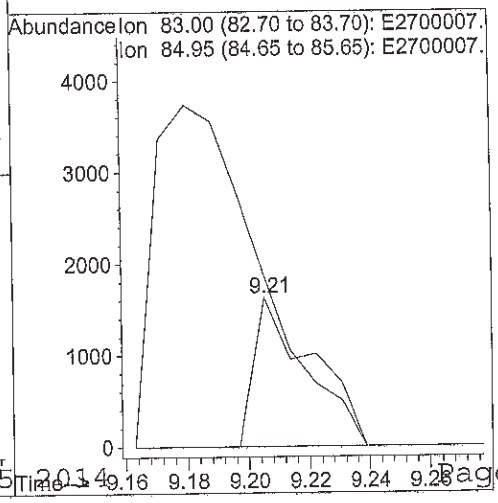


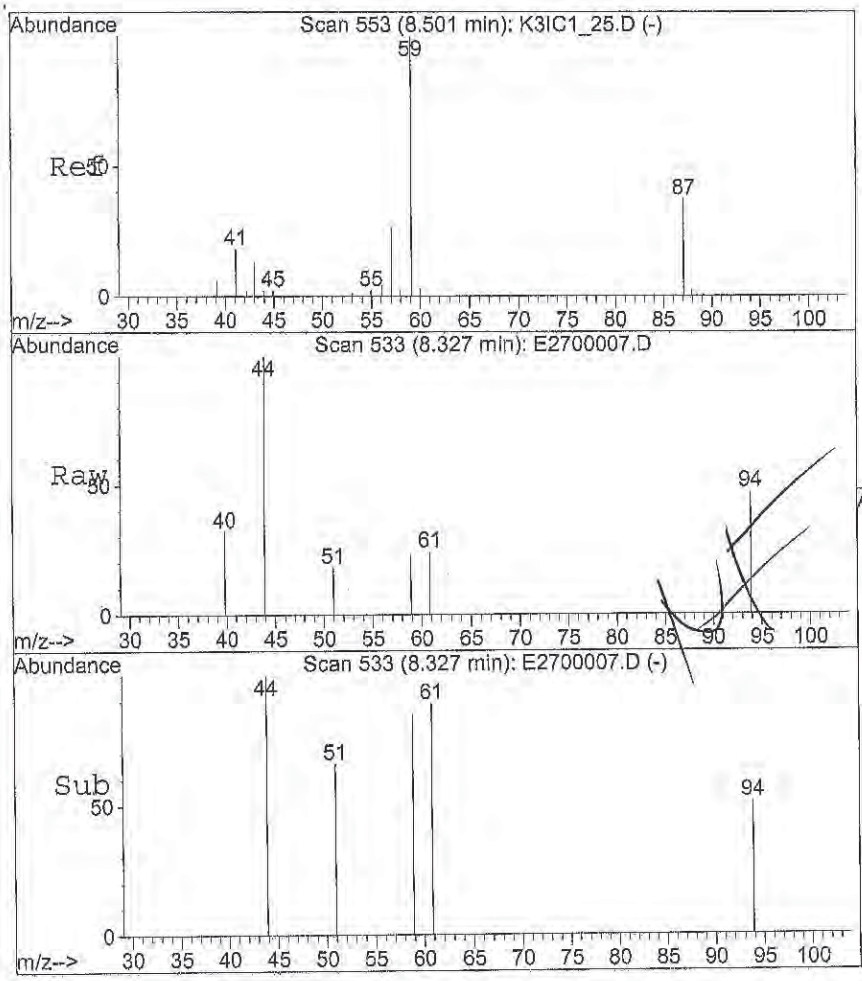


#24
Chloroform
Concen: 0.22 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 83 Resp: 2172

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

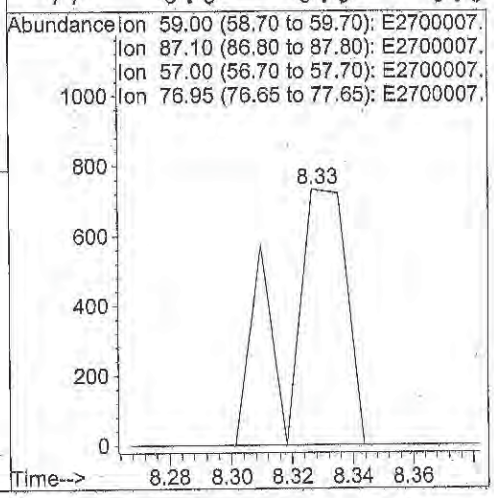


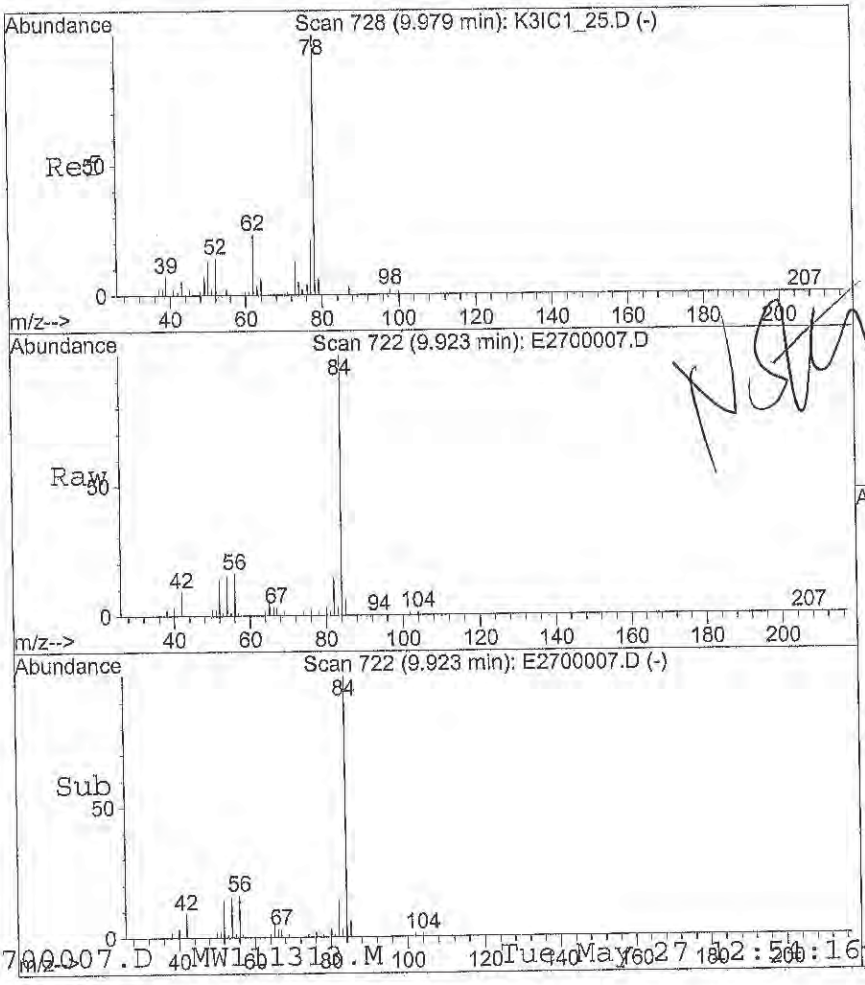


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.08 ug/L
RT: 8.33 min Scan# 533
Delta R.T. -0.17 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 59 Resp: 1027

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

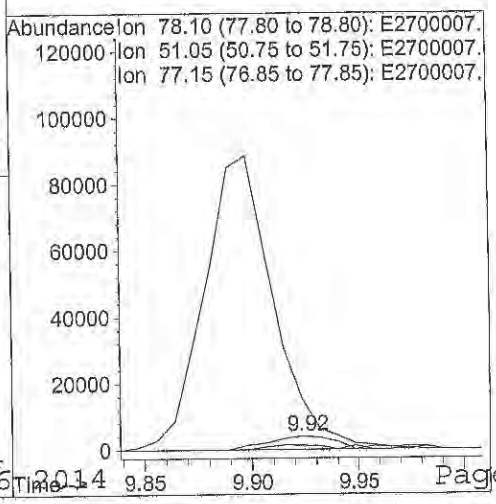


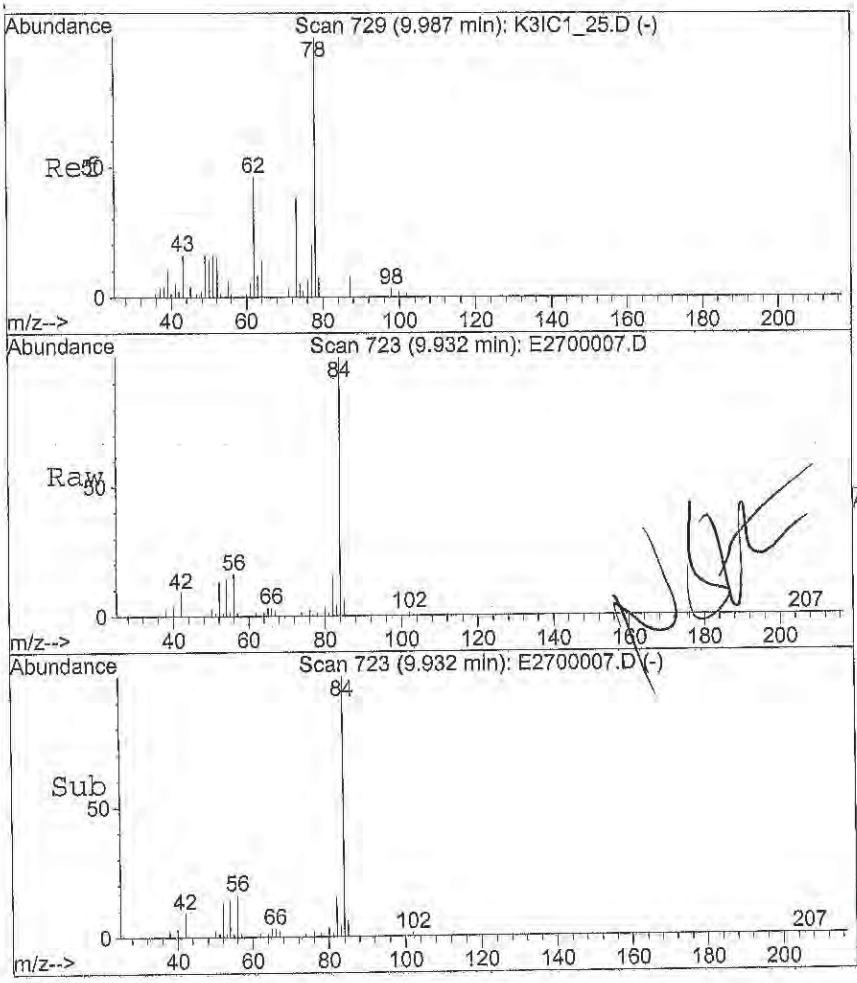


#31
Benzene
Concen: 0.52 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 78 Resp: 9124

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	24.2	16.6	24.8

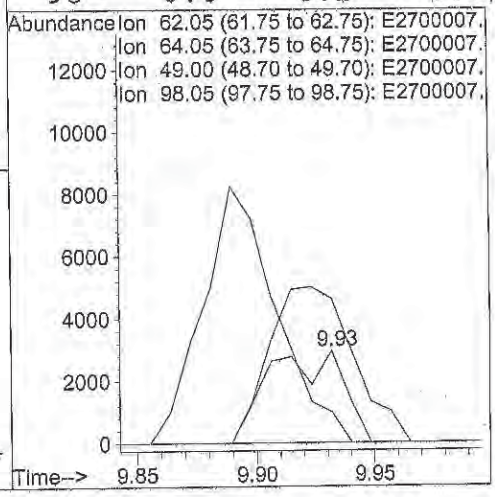


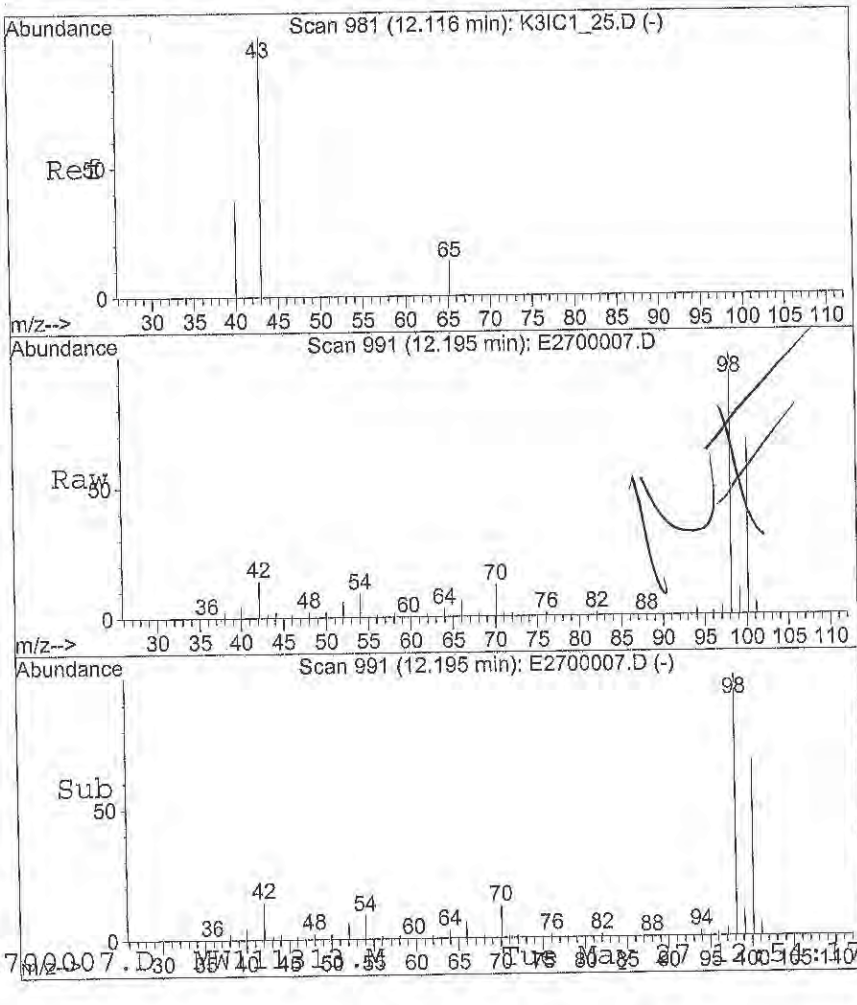


#32
1,2-Dichloroethane
Concen: 1.05 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 62 Resp: 6455

Ion	Ratio	Lower	Upper
62	100		
64	192.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

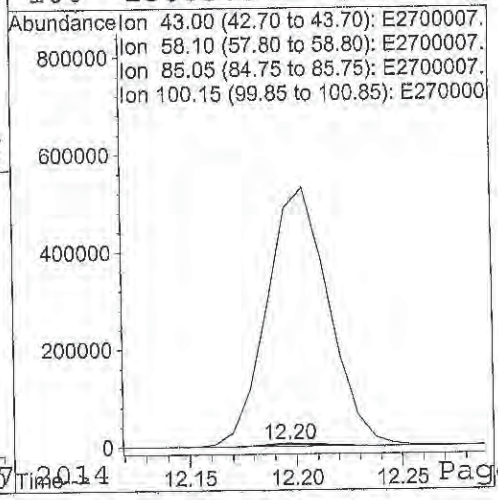


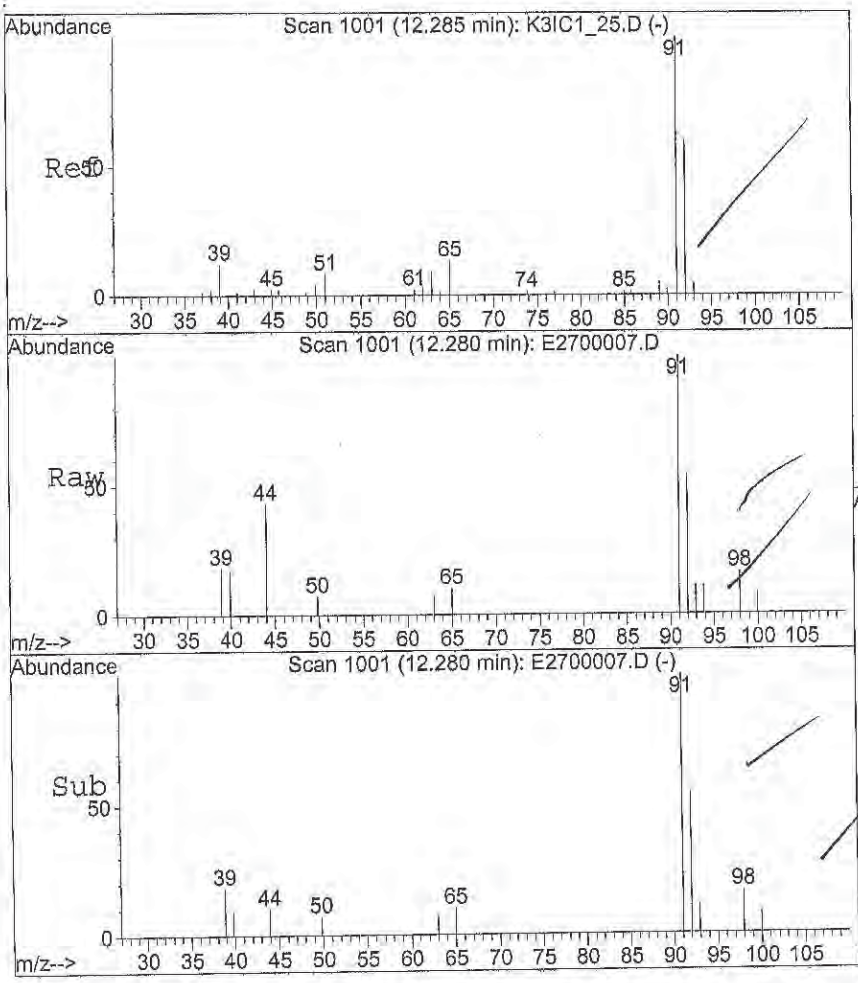


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.53 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 43 Resp: 6862

Ion	Ratio	Lower	Upper
43	100		
58	176.5	0.0	0.0#
85	0.0	0.0	0.0
100	15683.0	0.0	0.0#

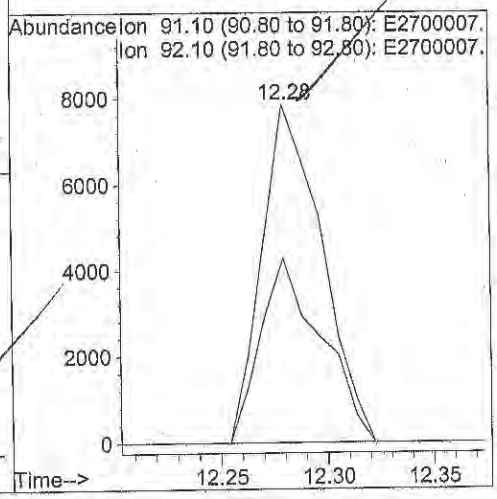


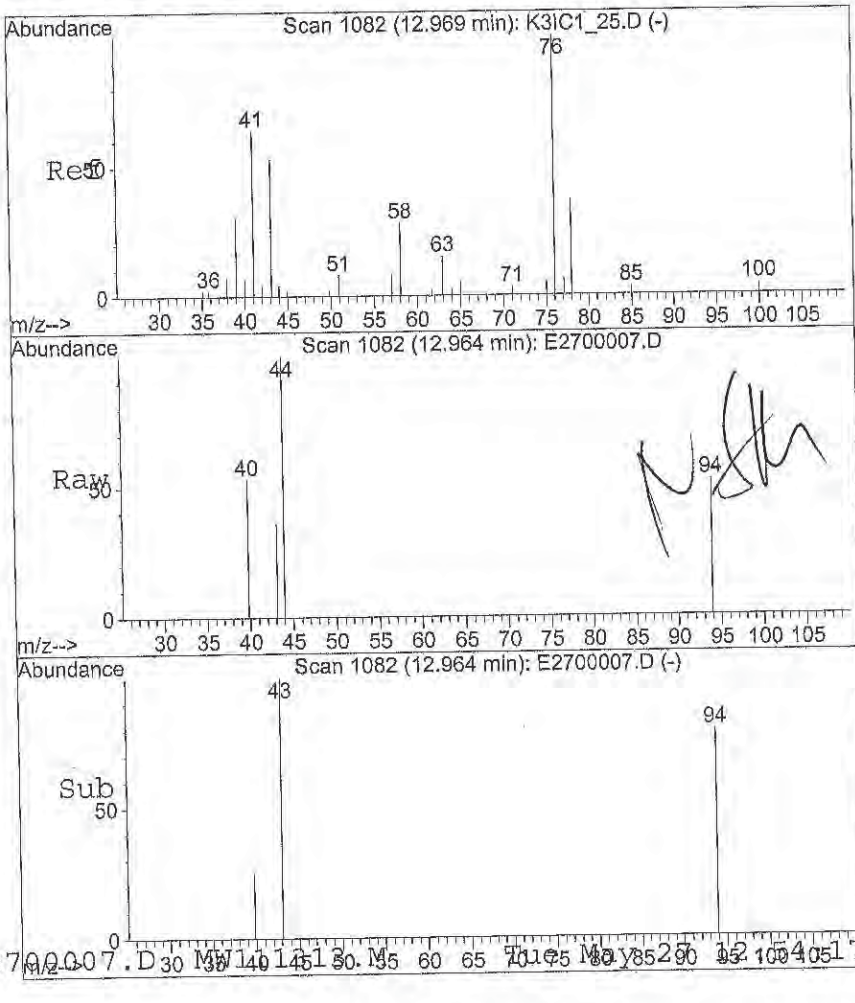


#41
Toluene
Concen: 0.82 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 91 Resp: 15225

Ion	Ratio	Lower	Upper
91	100		
92	55.1	47.4	71.0

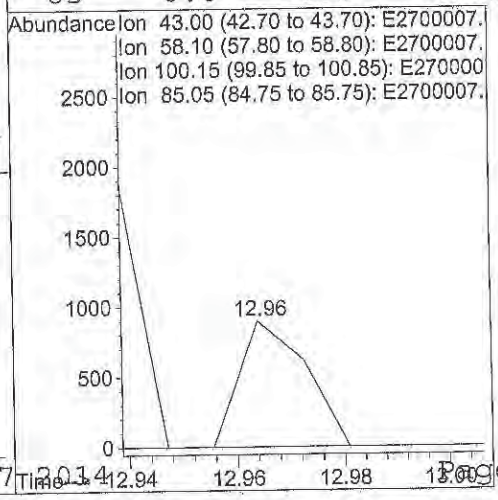


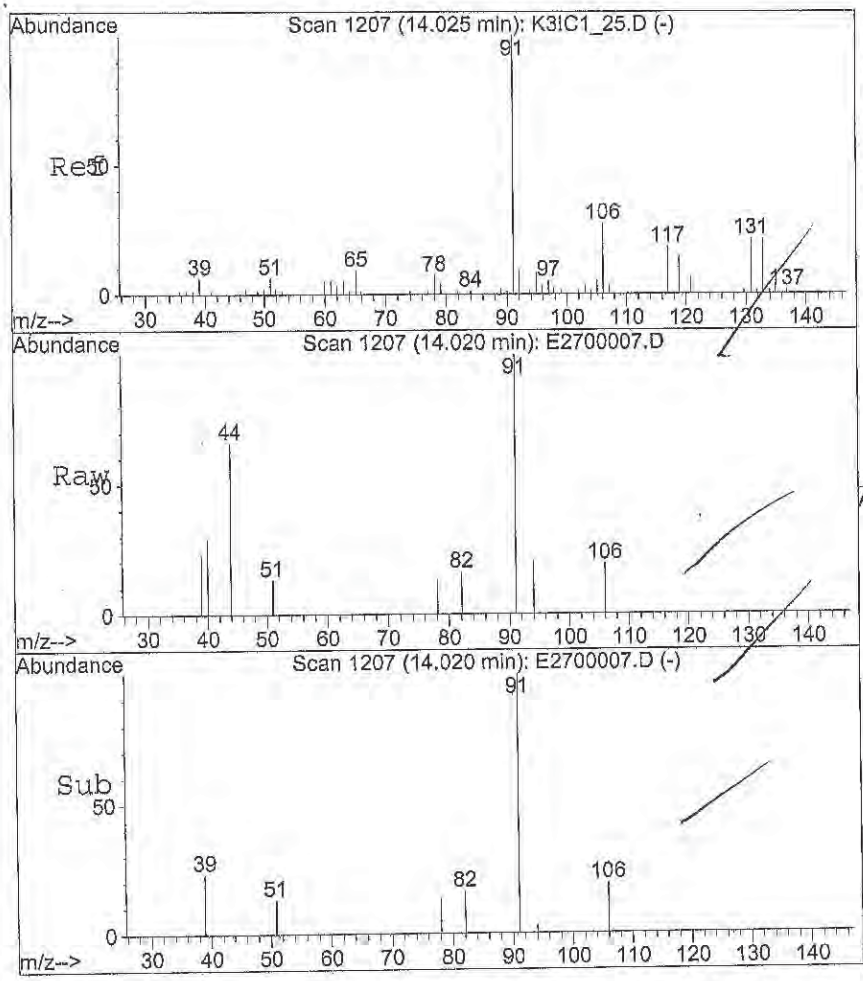


#46
2-Hexanone
Concen: 0.26 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 43 Resp: 769

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

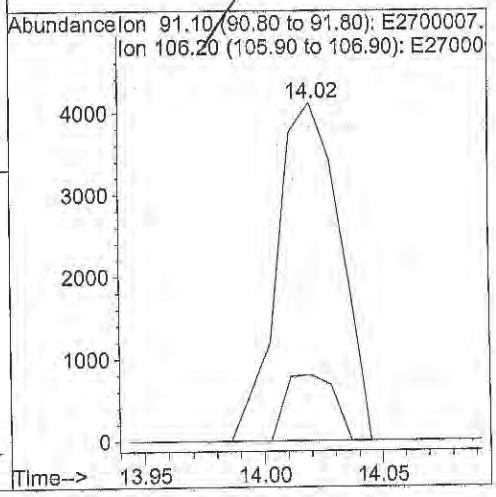


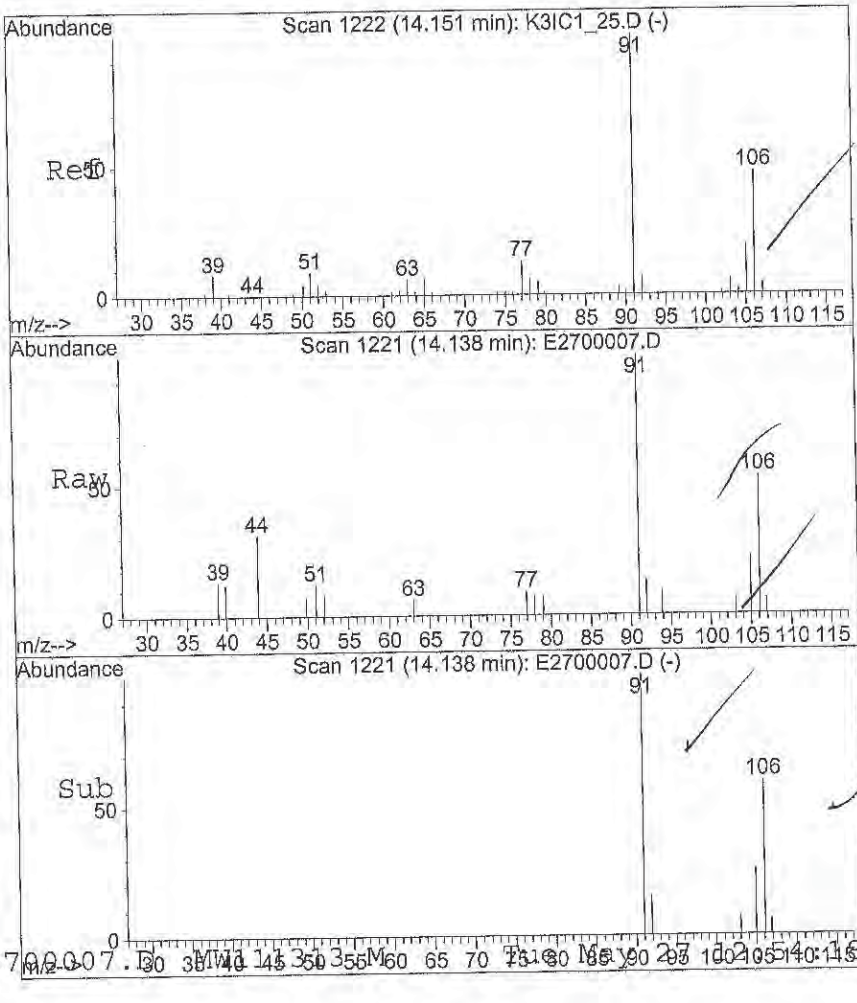


#51
Ethylbenzene
Concen: 0.36 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 91 Resp: 7558

Ion	Ratio	Lower	Upper
91	100		
106	15.1	23.5	35.3#

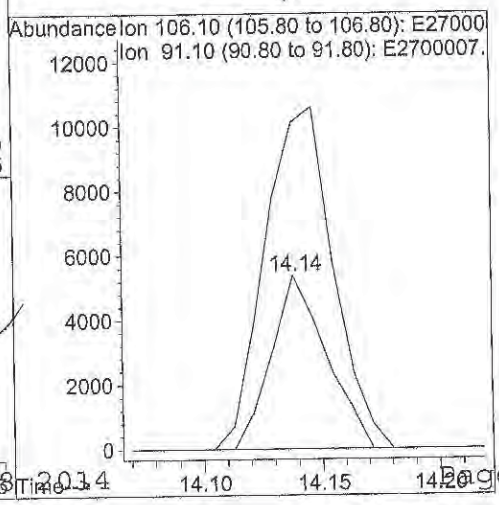


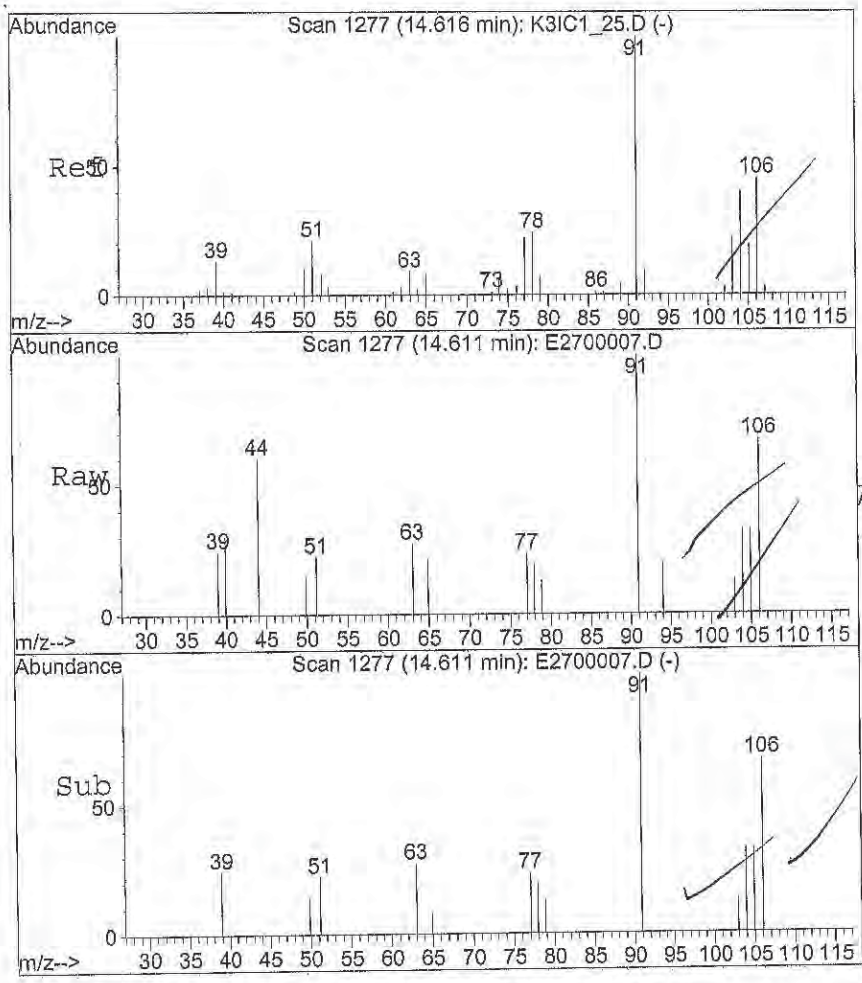


#52
m,p-Xylenes
Concen: 1.15 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:106 Resp: 8652

Ion	Ratio	Lower	Upper
106	100		
91	244.8	177.1	265.7

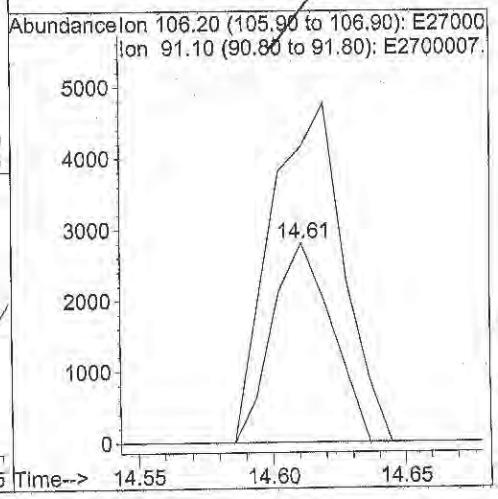


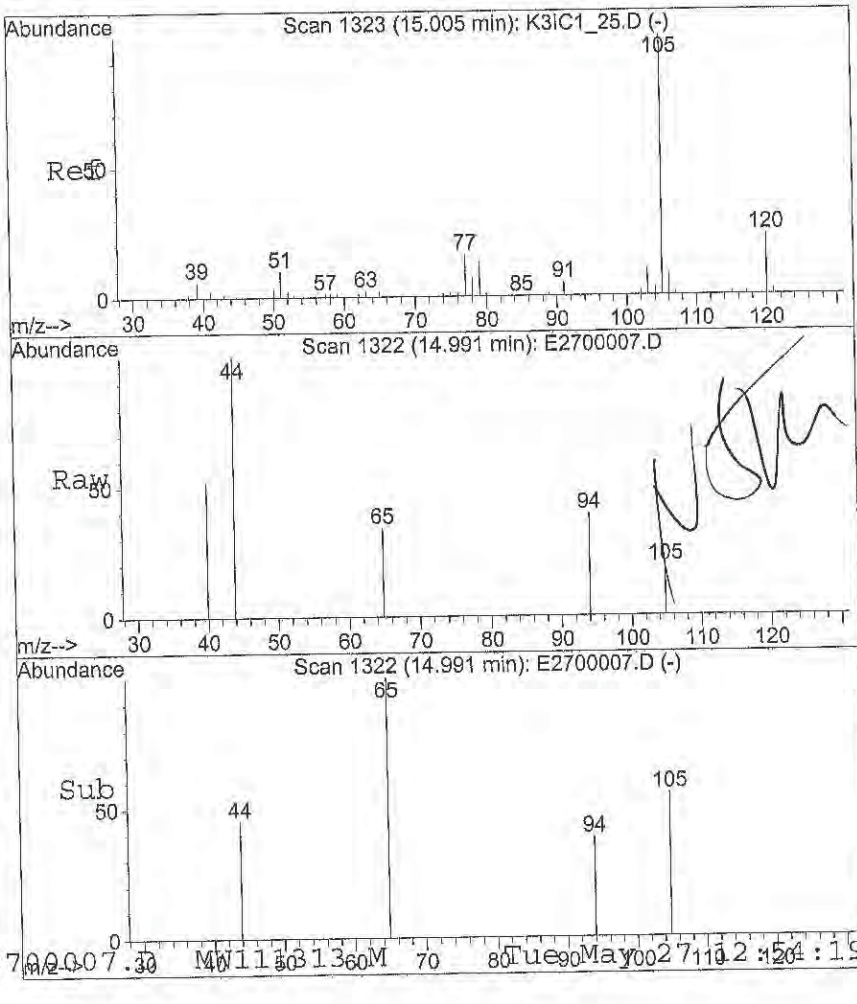


#53
o-Xylene
Concen: 0.59 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:106 Resp: 4334

Ion	Ratio	Lower	Upper
106	100		
91	207.3	179.0	268.6

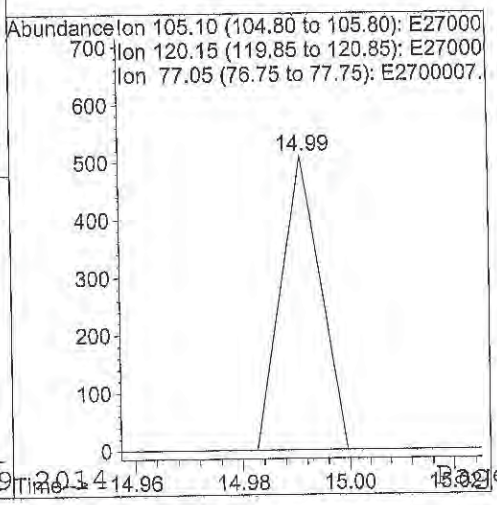


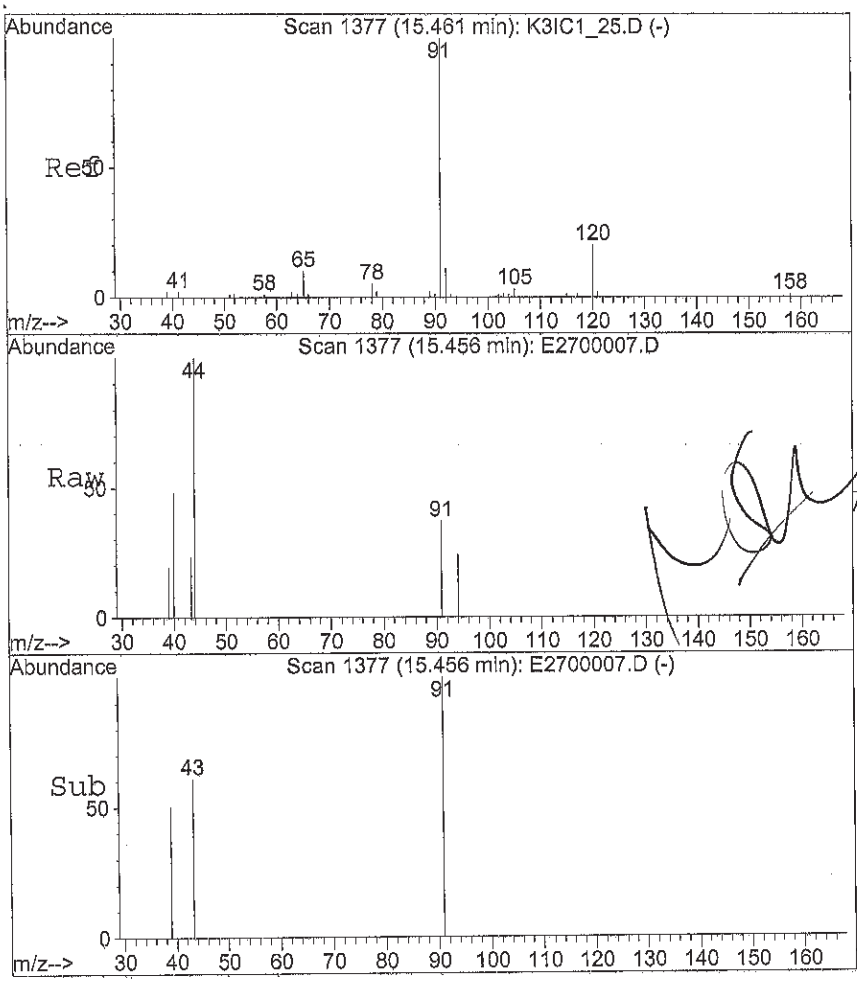


#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 14.99 min Scan# 1322
Delta R.T. -0.01 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:105 Resp: 259

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

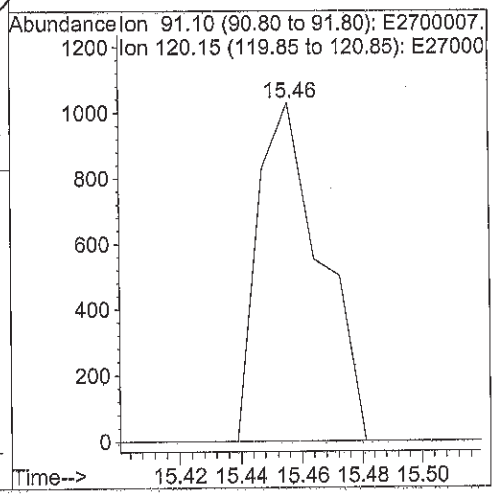


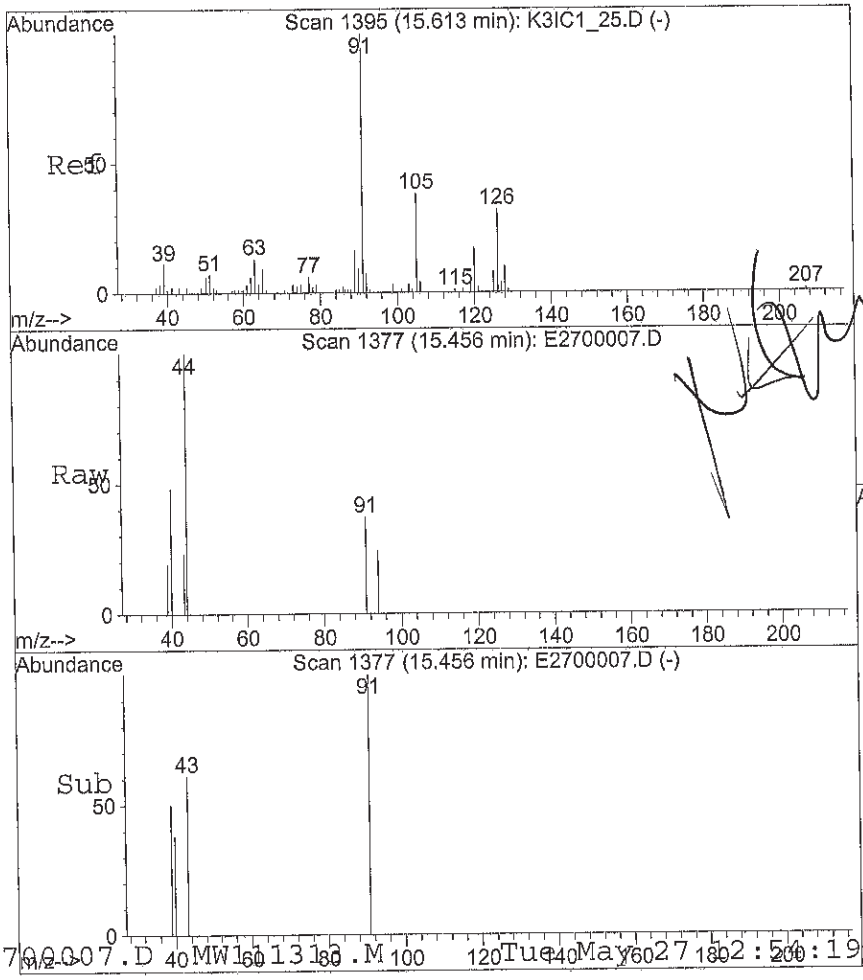


#62
n-Propylbenzene
Concen: 0.05 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 91 Resp: 1476

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

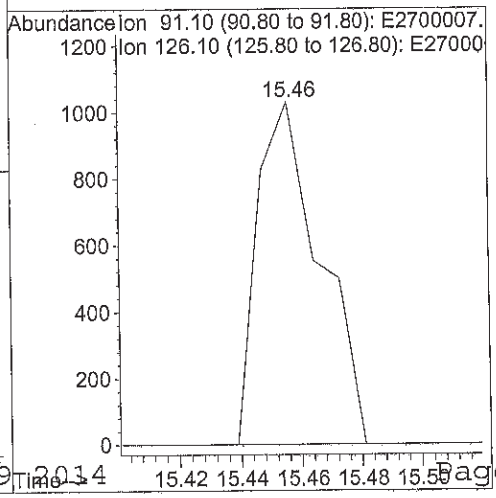


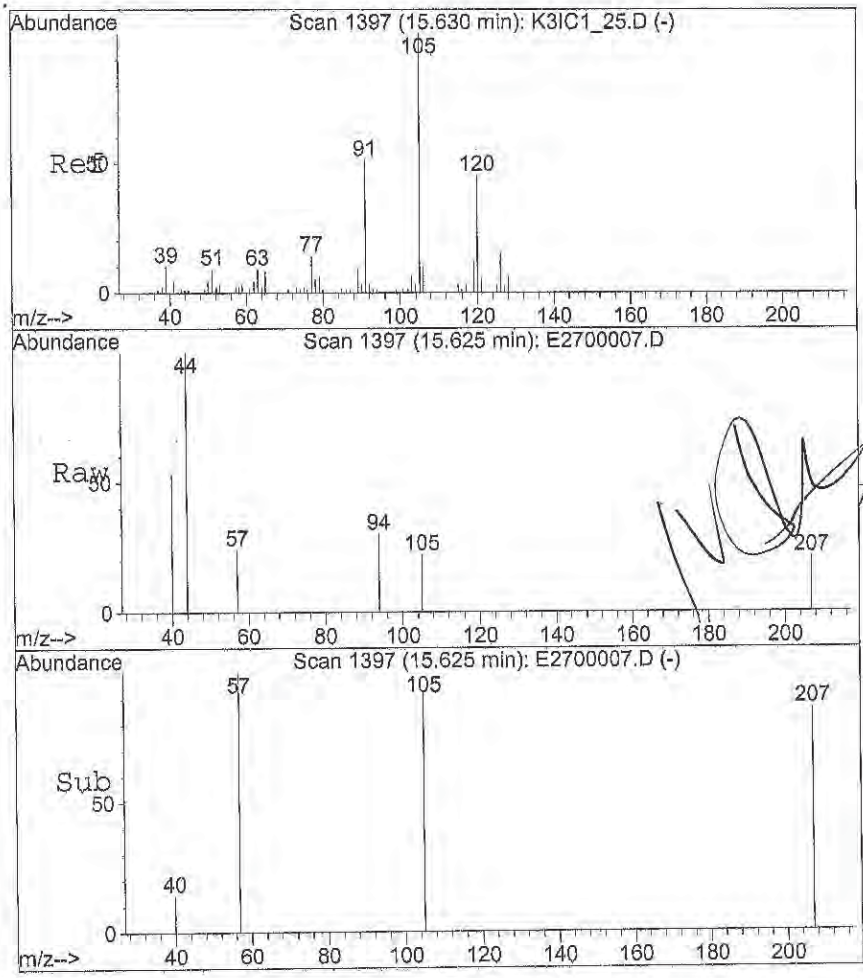


#63
2-Chlorotoluene
Concen: 0.08 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.16 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion: 91 Resp: 1476

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

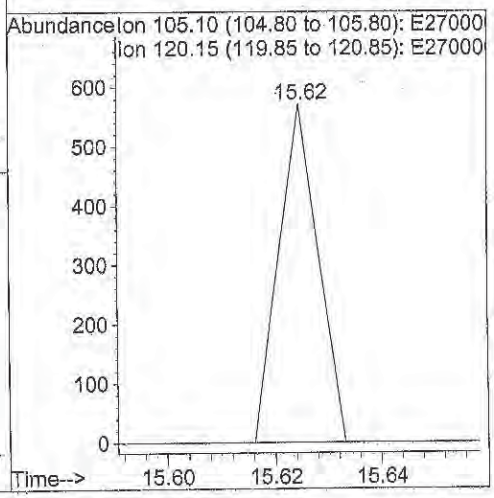


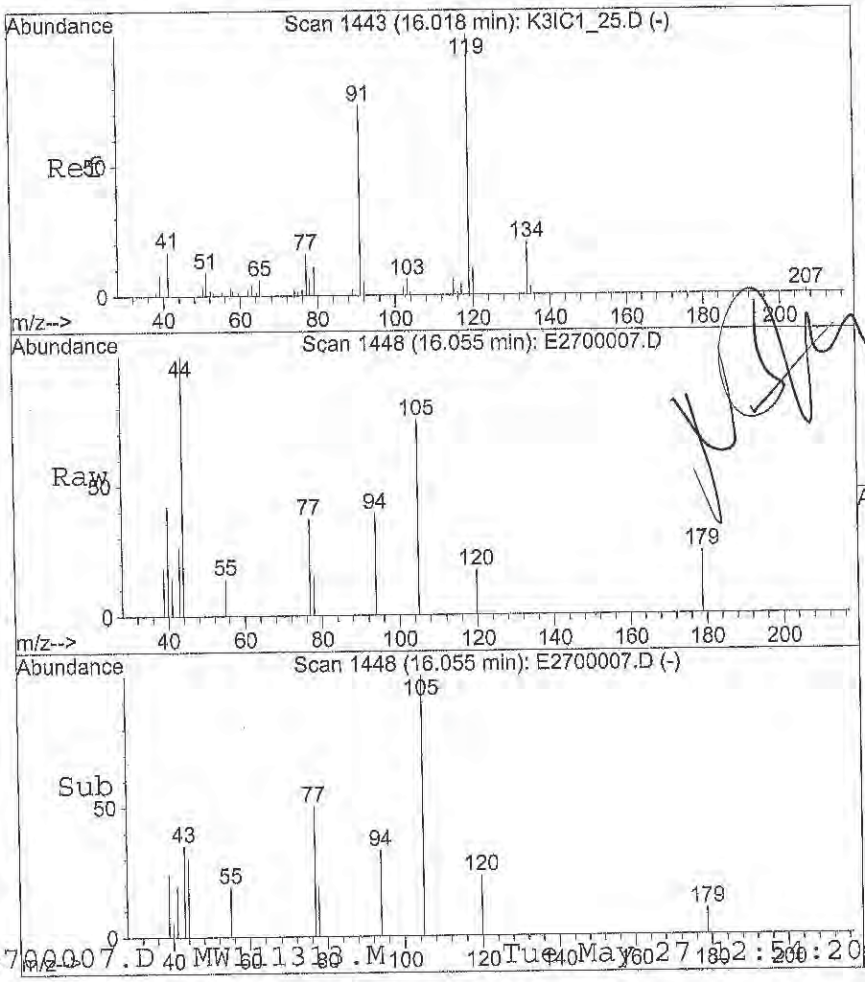


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1397
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:105 Resp: 289

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

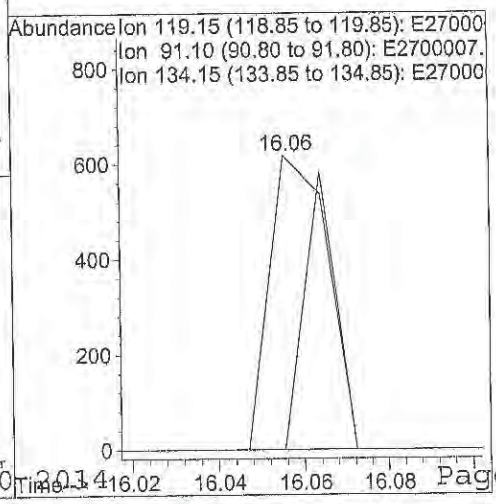


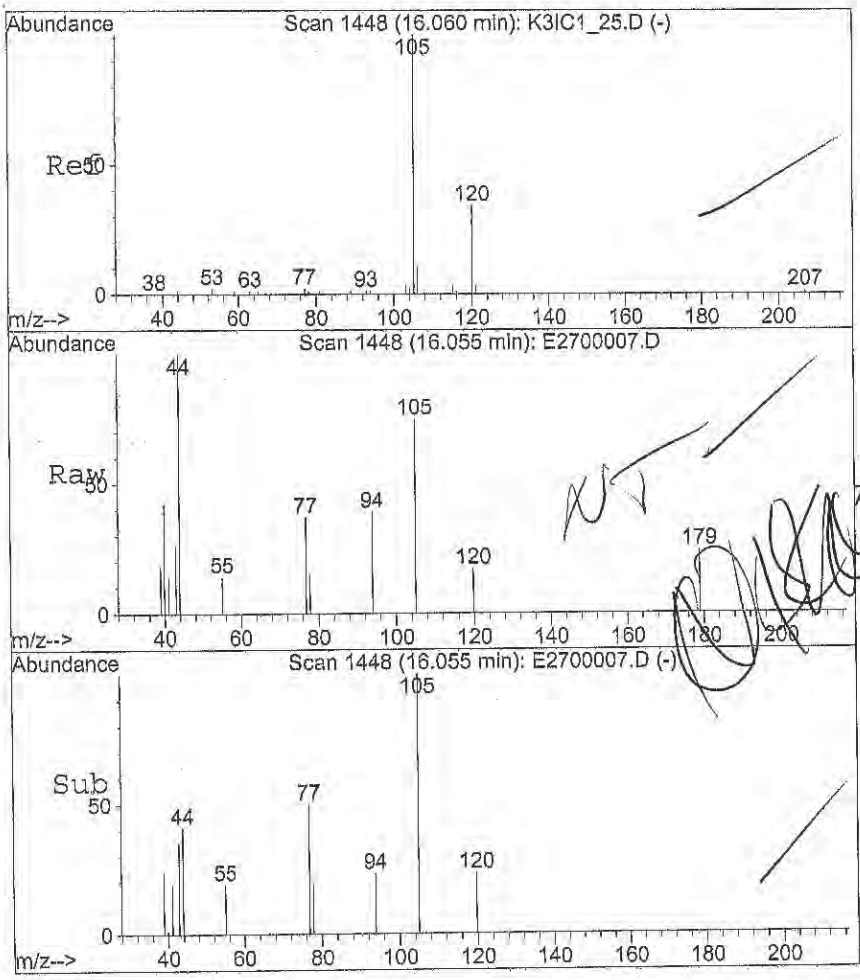


#66
tert-Butylbenzene
Concen: 0.04 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. 0.04 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:119 Resp: 584

Ion	Ratio	Lower	Upper
119	100		
91	50.3	56.3	84.5#
134	0.0	16.1	24.1#

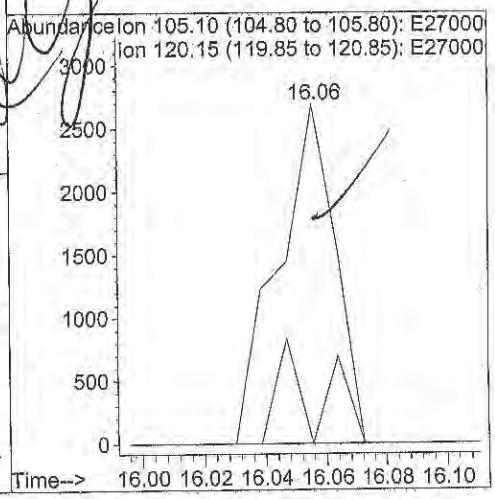


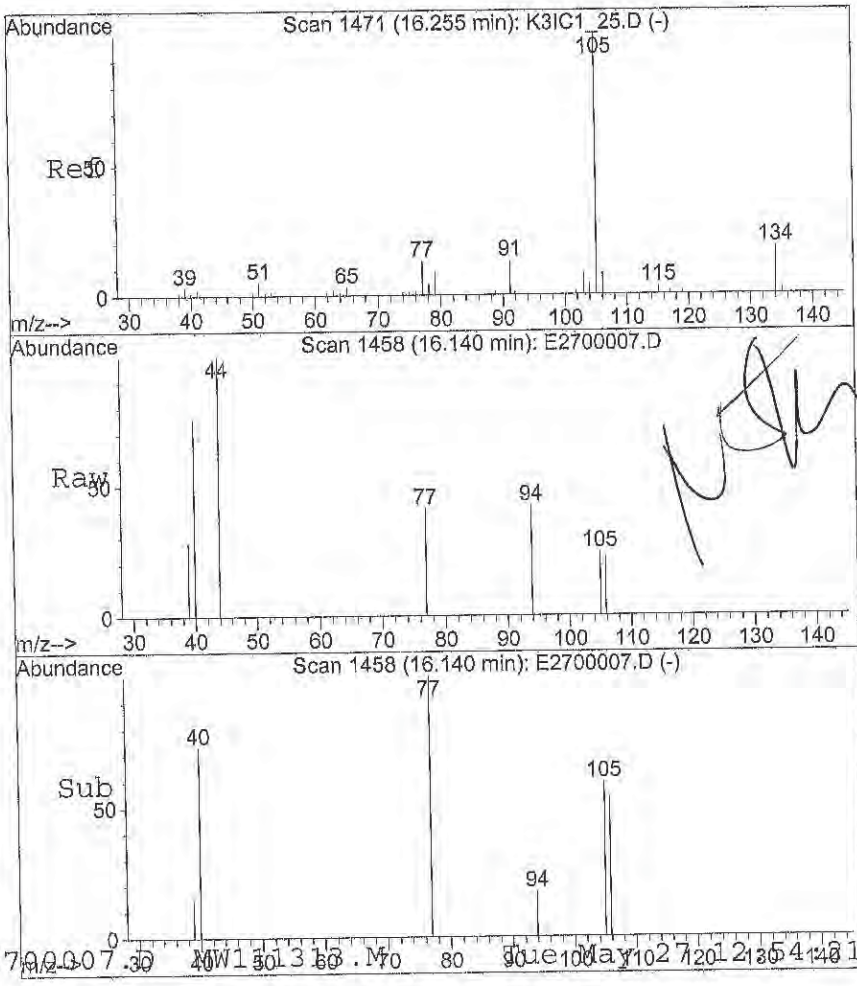


#67
1,2,4-Trimethylbenzene
Concen: 0.19 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:105 Resp: 3490

Ion	Ratio	Lower	Upper
105	100		
120	22.2	33.8	50.8#

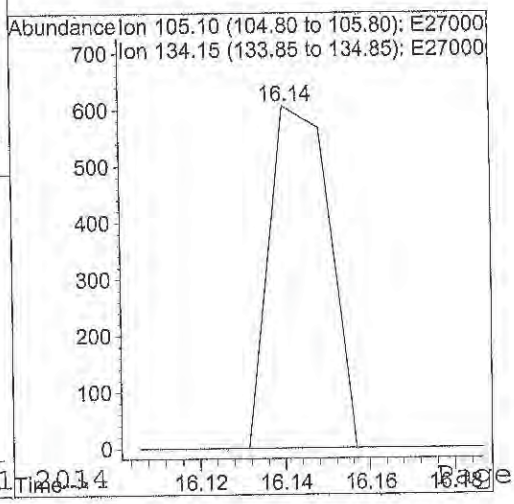


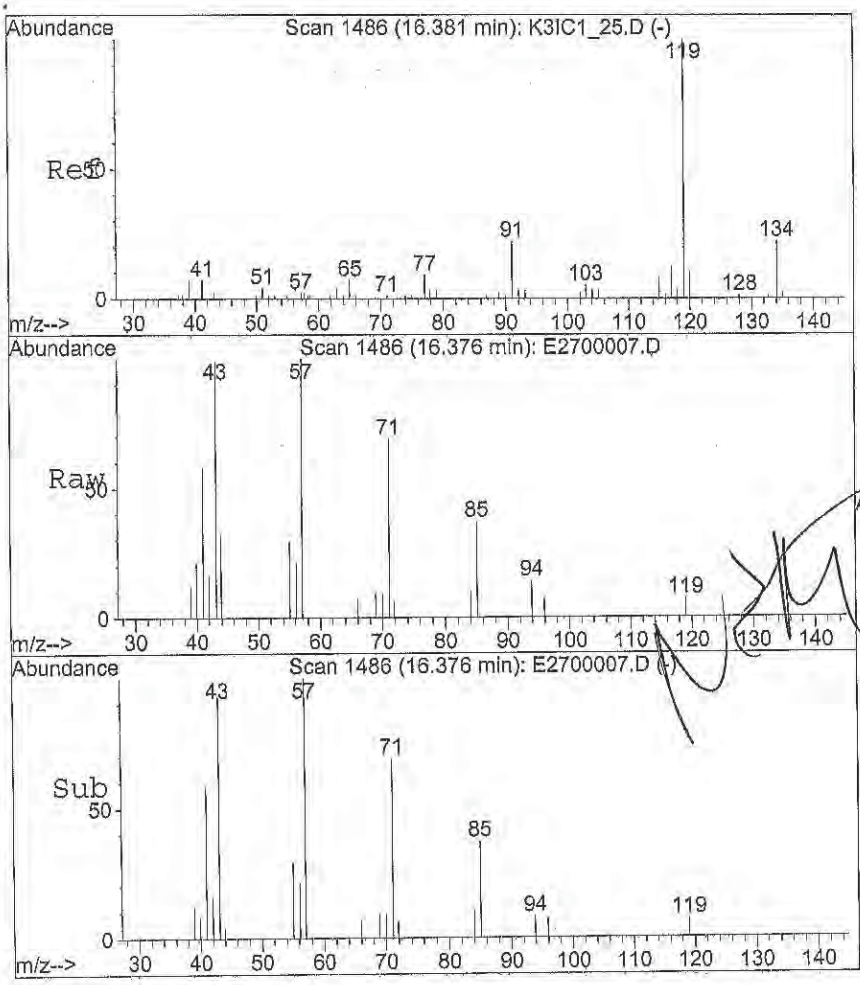


#68
sec-Butylbenzene
Concen: 0.02 ug/L
RT: 16.14 min Scan# 1458
Delta R.T. -0.11 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:105 Resp: 594

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

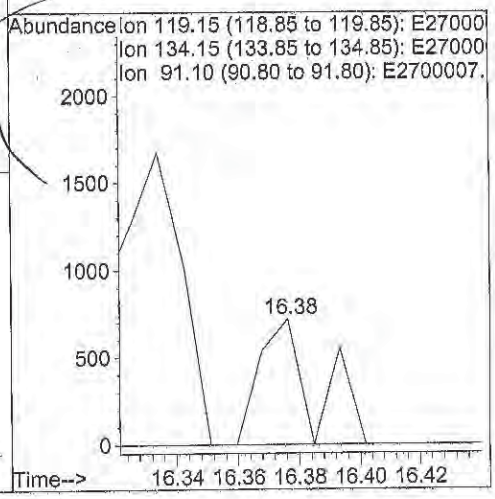


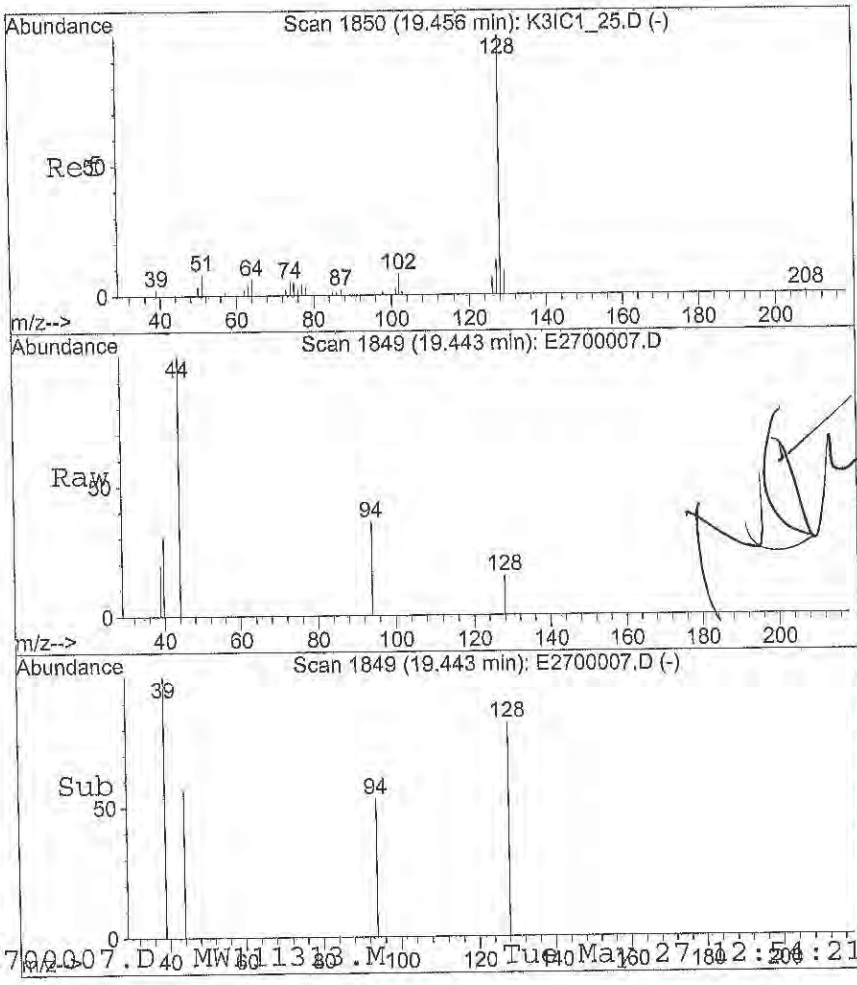


#69
p-Isopropyltoluene
Concen: 0.05 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:119 Resp: 917

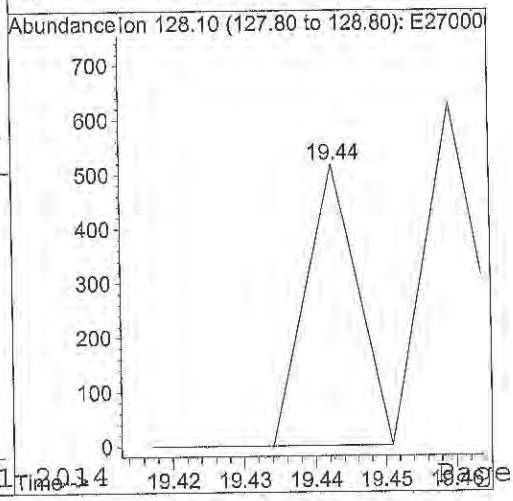
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.44 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2700007.D
Acq: 27 May 2014 12:33 pm

Tgt Ion:128 Resp: 262



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700007.D Vial: 6
Acq On : 27 May 2014 12:33 pm Operator: DN
Sample : 3E42701-06 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:55 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1848407	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.91	117	1360103	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	711592	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	504526	10.50	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 84.00%			
3) Chloroform-d (SU6)	9.18	84	738968	10.71	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 85.68%			
4) Methylene Chloride-d2 (SU5	7.06	86	416474	10.33	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 82.64%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	477785	14.54	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 116.32%			
6) Benzene-d6 (SU7)	9.92	84	1461231	10.07	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 80.56%			
8) Toluene-d8 (SU3)	12.20	98	1603606	12.43	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 99.44%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	738691	13.87	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.96%			

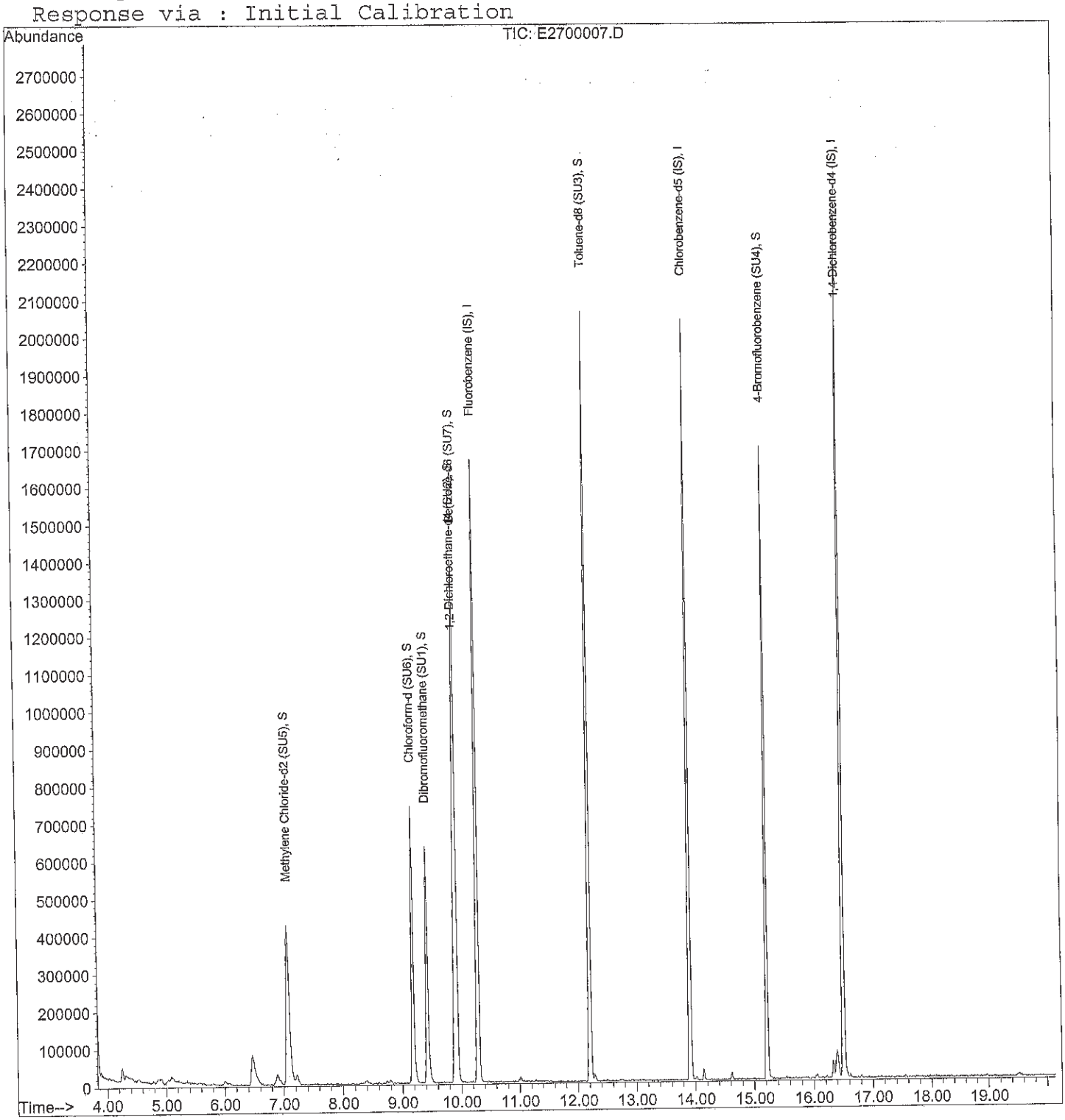
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700007.D Vial: 6
Acq On : 27 May 2014 12:33 pm Operator: DN
Sample : 3E42701-06 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 12:55 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700008.D Vial: 7
Acq On : 27 May 2014 1:02 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:40 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Rerun 20X

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1858802	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1370885	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	727236	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	524212	11.31	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.48%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	489084	11.10	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 88.80%			
39) Toluene-d8 (SU3)	12.20	98	1607666	12.57	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.56%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	755661	13.48	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 107.84%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	1038	0.23	ug/L #	44
4) Chloromethane	4.39	50	8274	1.43	ug/L	91
6) Bromomethane	5.29	96	729	-1.42	ug/L	79
7) Chloroethane	5.25	64	3186	2.75	ug/L #	49
9) (F113) 1,1,2-Trichloro-tri	6.36	151	12106953	3313.18	ug/L	96
10) 1,1-Dichloroethene	6.35	96	42895	9.78	ug/L #	48
11) Acetone	6.46	58	16563	20.38	ug/L	97
12) (IPA) Leak Check Compound	6.48	45	174260	780.17	ug/L #	87
13) Carbon disulfide	6.85	76	19800	1.28	ug/L #	89
14) Methylene Chloride	7.08	84	7382	1.45	ug/L #	1
15) (TBA) tert-Butanol	6.89	59	4760	15.01	ug/L #	77
20) 2,2-Dichloropropane	8.90	77	271	0.04	ug/L #	36
24) Chloroform	9.21	83	2987	0.31	ug/L	99
25) (ETBE) 2-ethoxy 2-methyl p	8.49	59	522	0.04	ug/L #	34
31) Benzene	9.96	78	5414	0.31	ug/L #	60
32) 1,2-Dichloroethane	9.92	62	7087	1.15	ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7779	2.84	ug/L #	100
41) Toluene	12.29	91	34735	1.86	ug/L	97
42) trans-1,3-Dichloropropene	12.50	75	334	0.05	ug/L #	30
45) 1,3-Dichloropropane	12.76	76	290	0.05	ug/L #	41
46) 2-Hexanone	12.92	43	1032	0.34	ug/L #	37
51) Ethylbenzene	14.02	91	8229	0.39	ug/L #	89

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700008.D Vial: 7
Acq On : 27 May 2014 1:02 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:40 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

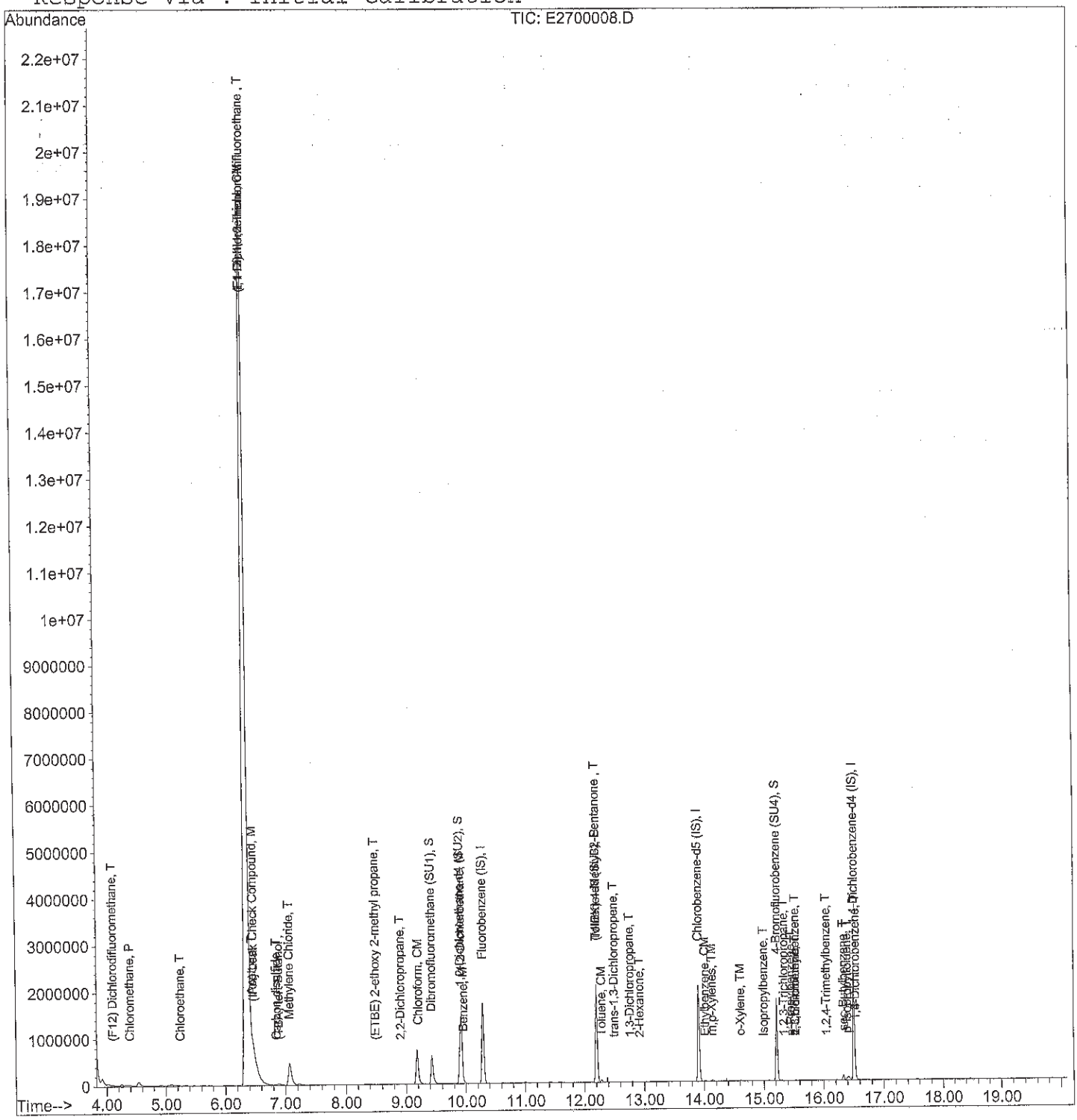
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52) m,p-Xylenes	14.14	106	6808	0.90 ug/L	91
53) o-Xylene	14.61	106	2041	0.27 ug/L #	6
54) Styrene	14.62	104	2931	-0.60 ug/L	92
56) Isopropylbenzene	14.99	105	920	0.04 ug/L #	55
57) 1,2,3-Trichloropropane	15.34	75	283	0.05 ug/L #	36
62) n-Propylbenzene	15.46	91	1561	0.05 ug/L #	56
63) 2-Chlorotoluene	15.52	91	342	0.02 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.53	105	3538	0.20 ug/L #	31
65) 4-Chlorotoluene	15.52	91	342	0.02 ug/L #	44
67) 1,2,4-Trimethylbenzene	16.05	105	1998	0.11 ug/L #	33
68) sec-Butylbenzene	16.33	105	985	0.04 ug/L #	62
69) p-Isopropyltoluene	16.38	119	693	0.03 ug/L #	52
70) 1,3-Dichlorobenzene	16.54	146	298	0.03 ug/L #	1
71) 1,4-Dichlorobenzene	16.54	146	298	0.03 ug/L #	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700008.D Vial: 7
Acq On : 27 May 2014 1:02 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-10.0-11.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:40 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700009.D Vial: 8
Acq On : 27 May 2014 1:31 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:52 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1755921	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1286154	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	676173	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	486155	11.10	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 88.80%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	445620	10.71	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.68%			
39) Toluene-d8 (SU3)	12.20	98	1524962	12.71	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 101.68%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	693285	13.18	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 105.44%			
Target Compounds						Qvalue
4) Chloromethane	4.39	50	2907	-0.23	ug/L #	41
6) Bromomethane	5.10	96	7029	1.86	ug/L #	55
7) Chloroethane	5.22	64	743	1.20	ug/L	96
9) (F113) 1,1,2-Trichloro-tri	6.35	151	740254	214.45	ug/L	97
10) 1,1-Dichloroethene	6.35	96	1007	0.24	ug/L #	37
11) Acetone	6.47	58	11885	13.48	ug/L	94
12) (IPA) Leak Check Compound	6.46	45	142971	677.59	ug/L #	86
14) Methylene Chloride	7.08	84	6514	1.35	ug/L #	1
15) (TBA) tert-Butanol	6.89	59	2881	9.62	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	346	0.03	ug/L #	155
21) (MEK) 2-Butanone	8.81	72	268	0.54	ug/L #	1
24) Chloroform	9.20	83	3122	0.34	ug/L #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.32	59	379	0.03	ug/L #	44
29) 1,1-Dichloropropene	9.93	75	684	0.10	ug/L #	1
31) Benzene	9.98	78	422	0.03	ug/L #	57
32) 1,2-Dichloroethane	9.92	62	6975	1.19	ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.09	43	275	0.11	ug/L #	100
41) Toluene	12.28	91	3933	0.22	ug/L #	0.00473
44) Tetrachloroethene	12.95	164	1538	0.29	ug/L #	0.00585
46) 2-Hexanone	12.97	43	294	0.10	ug/L #	37
51) Ethylbenzene	14.02	91	1666	0.08	ug/L #	45
52) m,p-Xylenes	14.14	106	1022	0.14	ug/L #	0.00286

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700009.D Vial: 8
Acq On : 27 May 2014 1:31 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:52 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

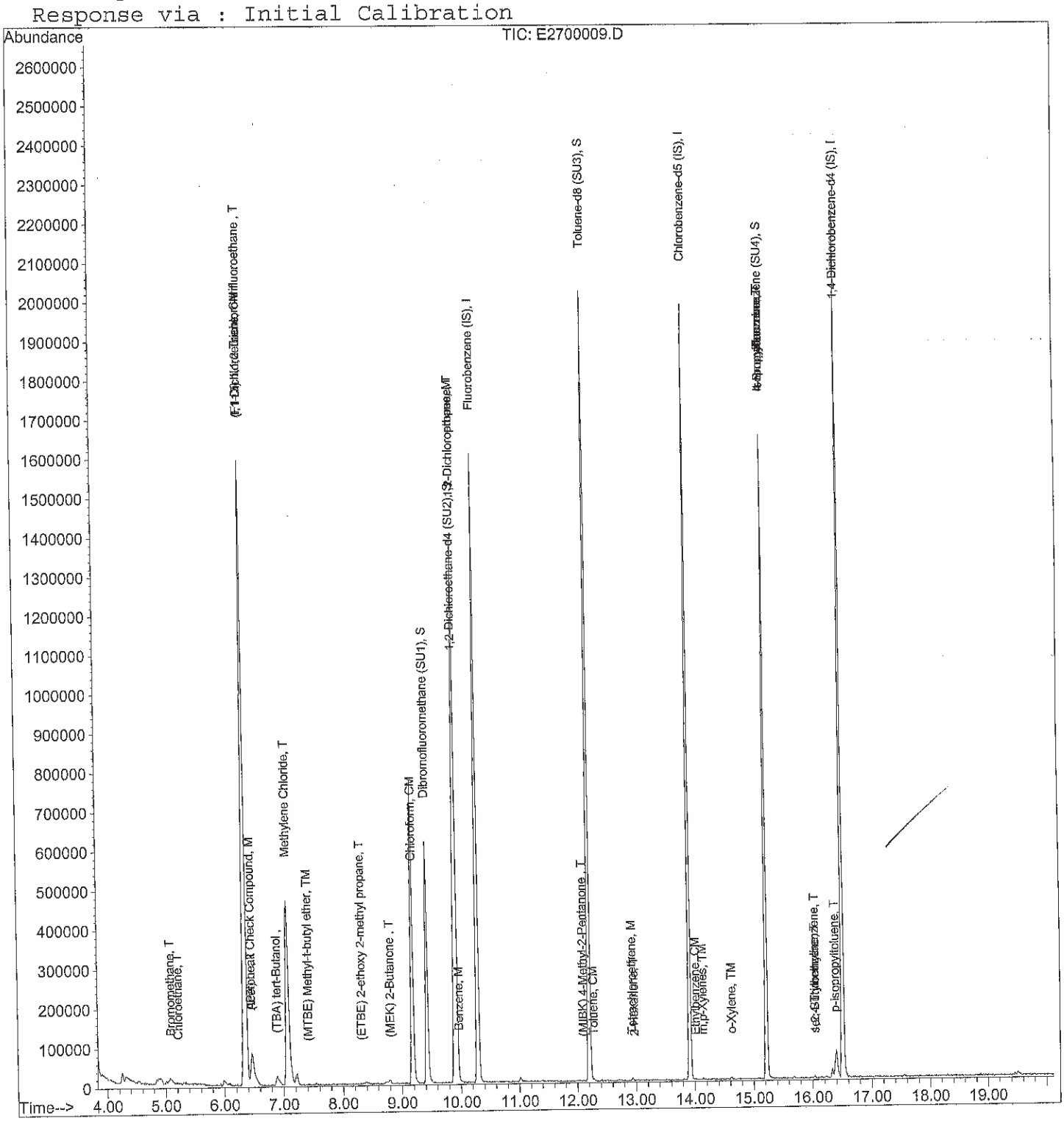
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53) o-Xylene	14.62	106	383	0.05	~~ug/L~~ #	0.001 1
54) Styrene	14.63	104	1413	-0.74	~~ug/L~~ #	59
56) Isopropylbenzene	15.22	105	1782	0.09	~~ug/L~~ #	1
62) n-Propylbenzene	15.22	91	2267	0.08	~~ug/L~~ #	56
67) 1,2,4-Trimethylbenzene	16.05	105	994	0.06	~~ug/L~~ #	33
68) sec-Butylbenzene	16.05	105	994	0.04	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	316	0.02	~~ug/L~~ #	52

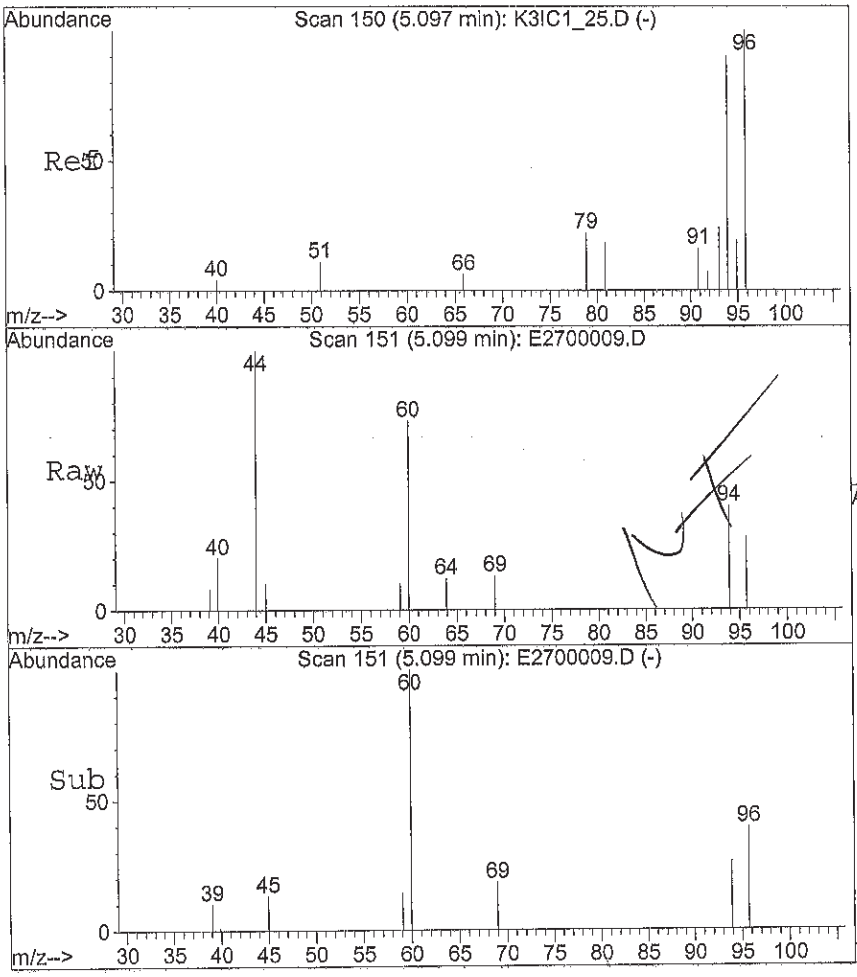
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700009.D Vial: 8
Acq On : 27 May 2014 1:31 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:52 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

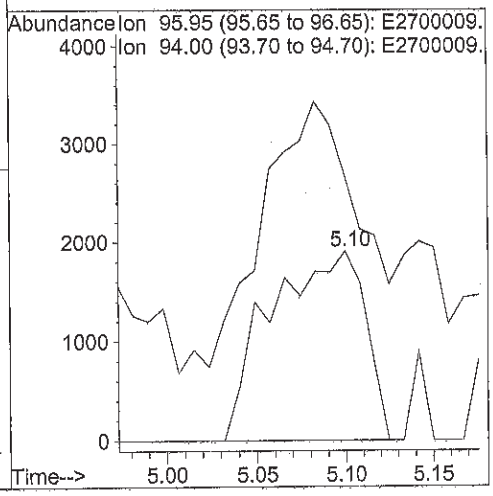


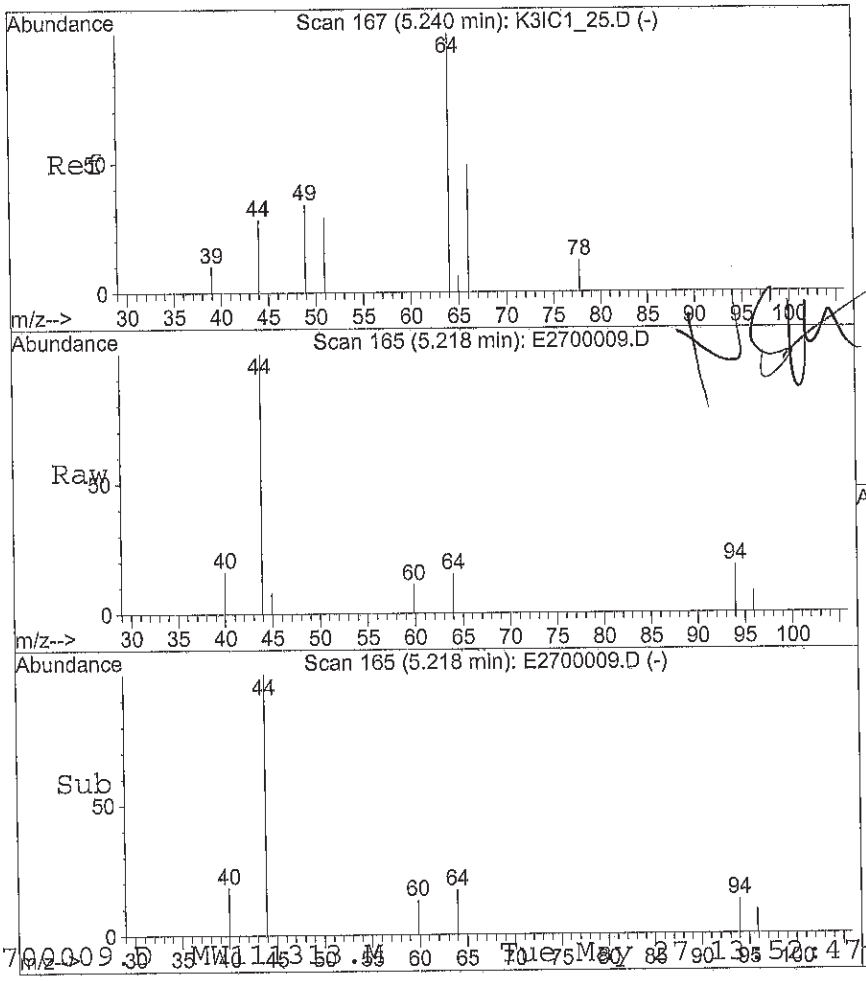


#6
Bromomethane
Concen: 1.86 ug/L
RT: 5.10 min Scan# 151
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 96 Resp: 7029

Ion	Ratio	Lower	Upper
96	100		
94	177.6	101.0	151.4#

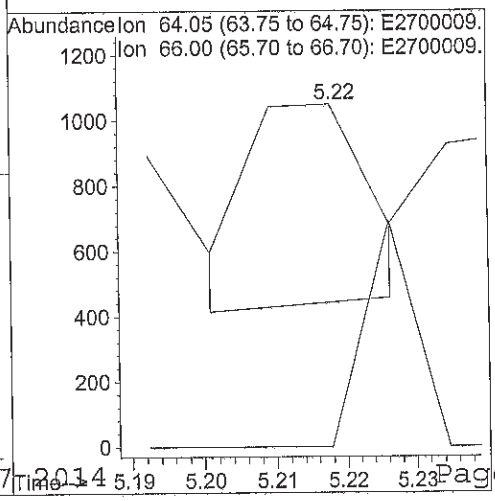


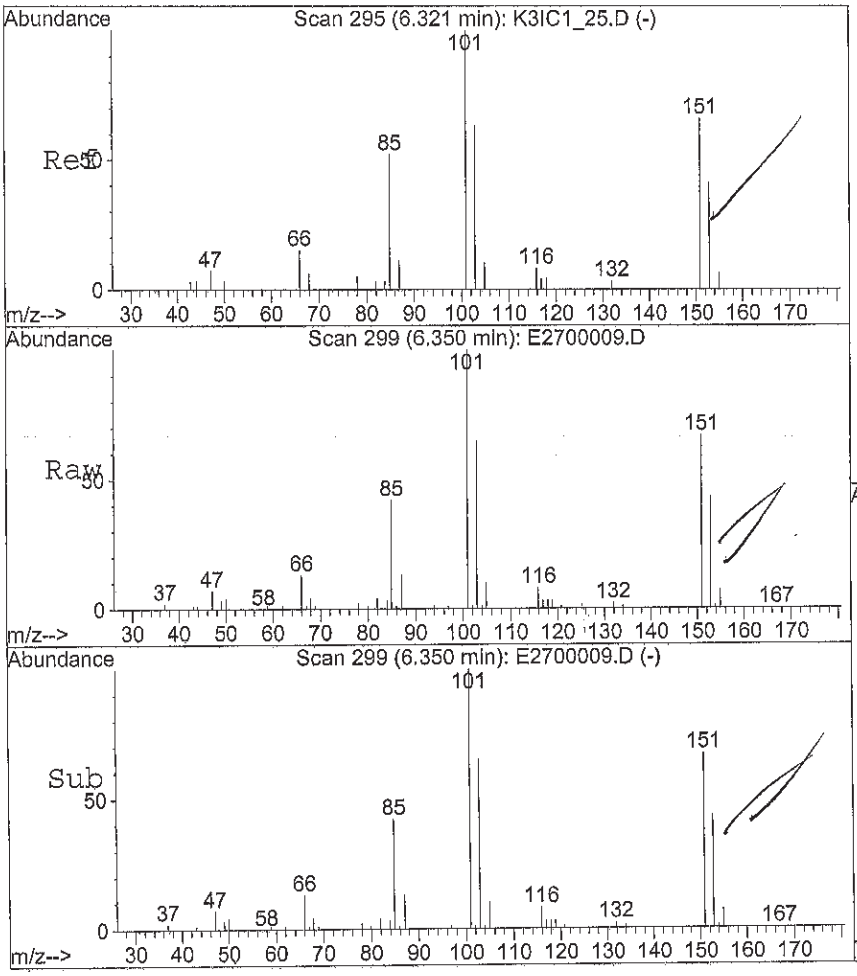


#7
Chloroethane
Concen: 1.20 ug/L
RT: 5.22 min Scan# 165
Delta R.T. -0.02 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 64 Resp: 743

Ion	Ratio	Lower	Upper
64	100		
66	47.1	35.4	53.0

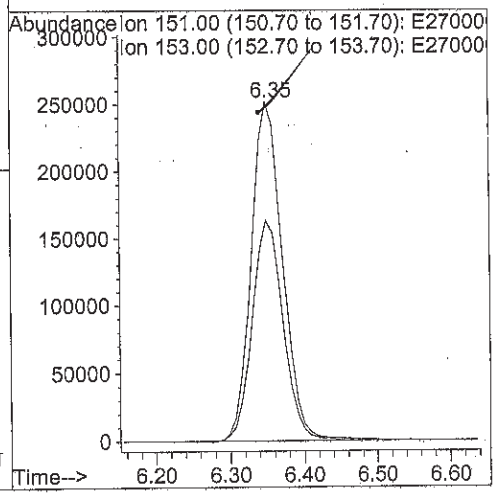


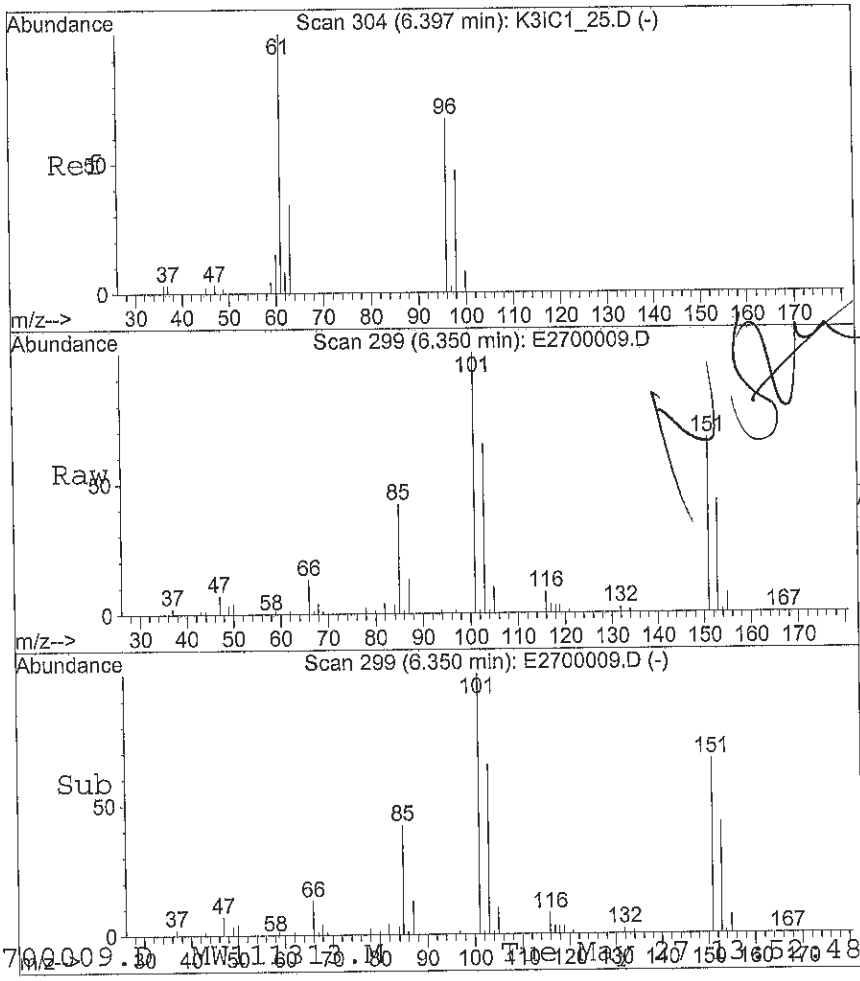


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 214.45 ug/L
RT: 6.35 min Scan# 299
Delta R.T. 0.03 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:151 Resp: 740254

Ion	Ratio	Lower	Upper
151	100		
153	64.2	49.6	74.4

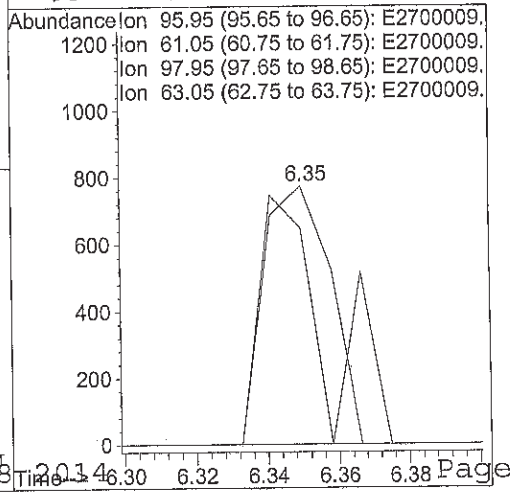


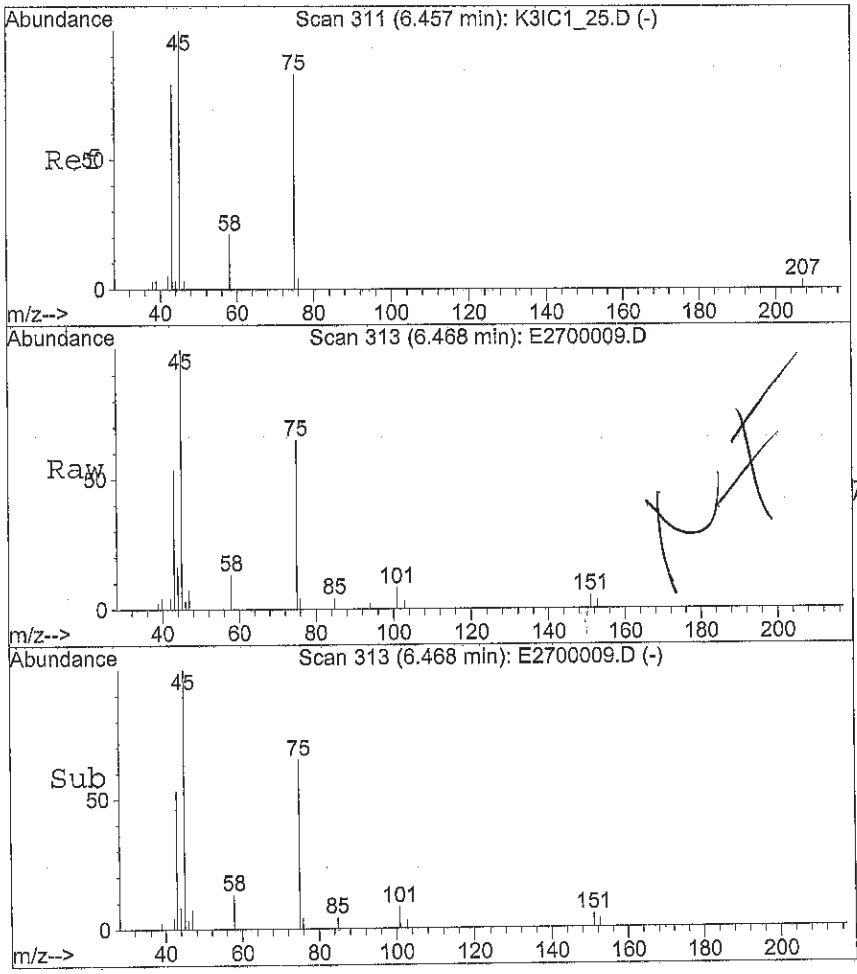


#10
1,1-Dichloroethene
Concen: 0.24 ug/L
RT: 6.35 min Scan# 299
Delta R.T. -0.05 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 96 Resp: 1007

Ion	Ratio	Lower	Upper
96	100		
61	96.0	130.0	195.0#
98	0.0	56.2	84.4#
63	0.0	41.5	62.3#

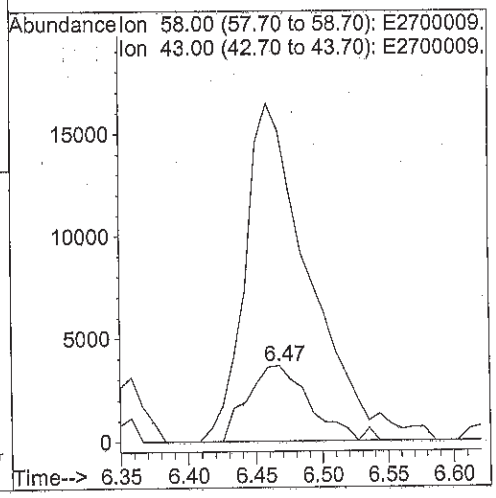


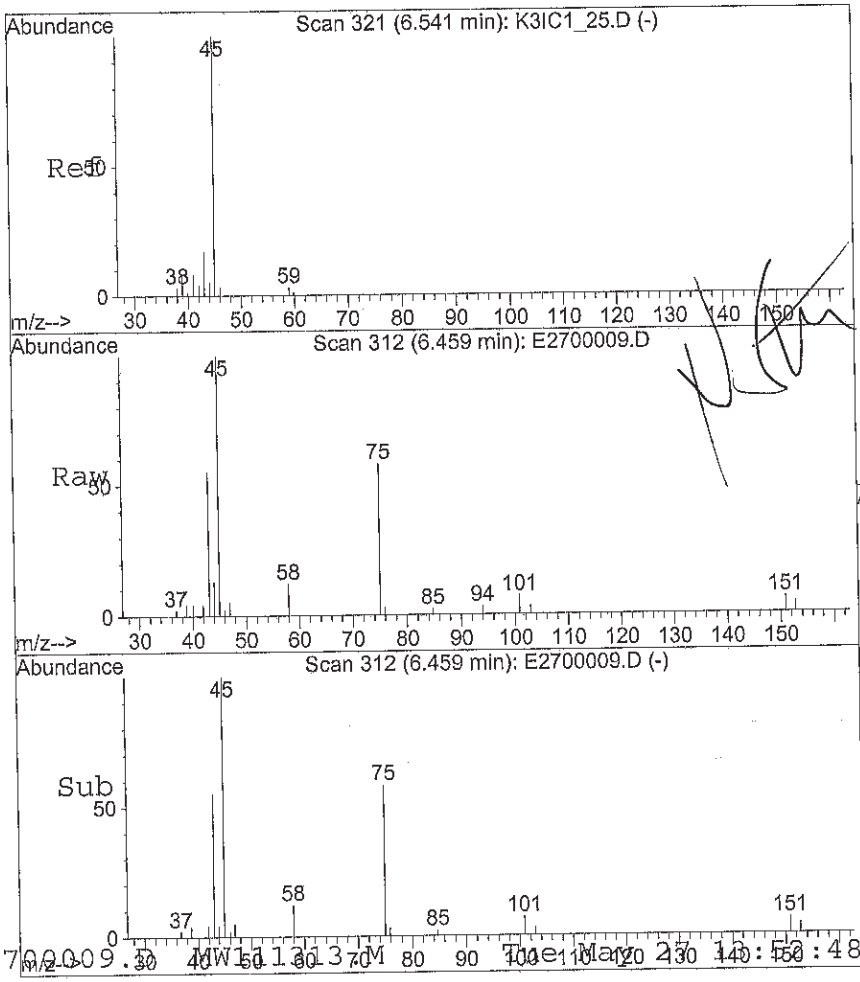


#11
Acetone
Concen: 13.48 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 58 Resp: 11885

Ion	Ratio	Lower	Upper
58	100		
43	466.2	360.9	541.3

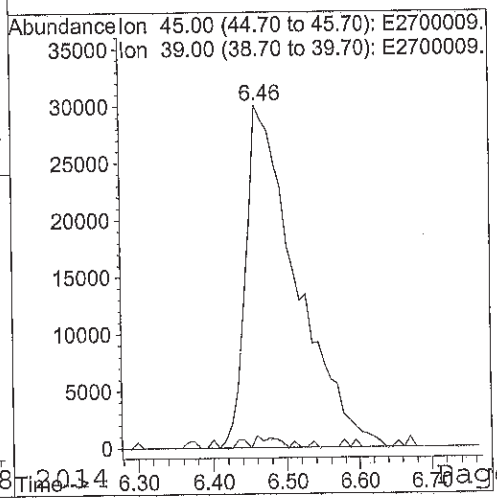


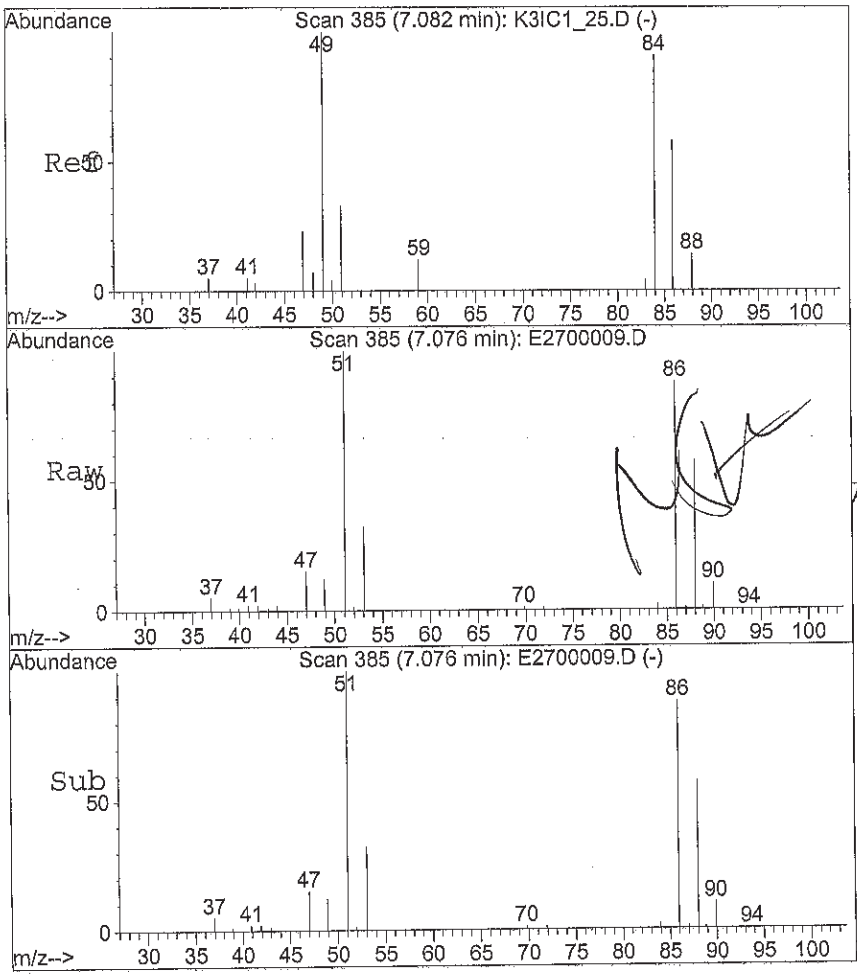


#12
(IPA) Leak Check Compound
Concen: 677.59 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 45 Resp: 142971

Ion	Ratio	Lower	Upper
45	100		
39	1.5	4.9	7.3#

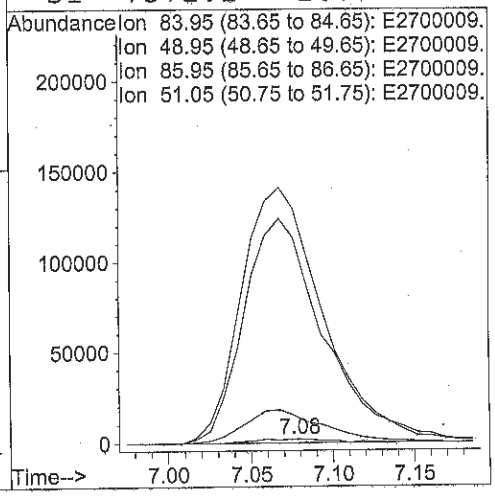


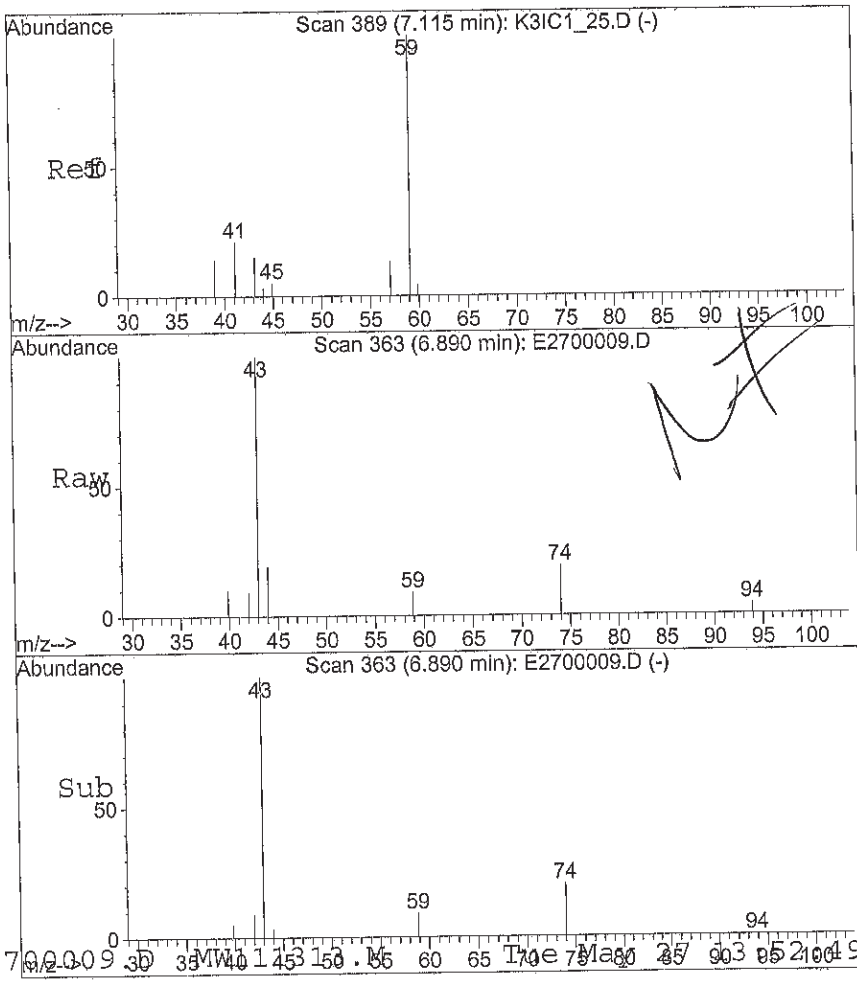


#14
Methylene Chloride
Concen: 1.35 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 84 Resp: 6514

Ion	Ratio	Lower	Upper
84	100		
49	927.9	89.8	134.6#
86	6419.1	51.1	76.7#
51	7571.1	28.5	42.7#

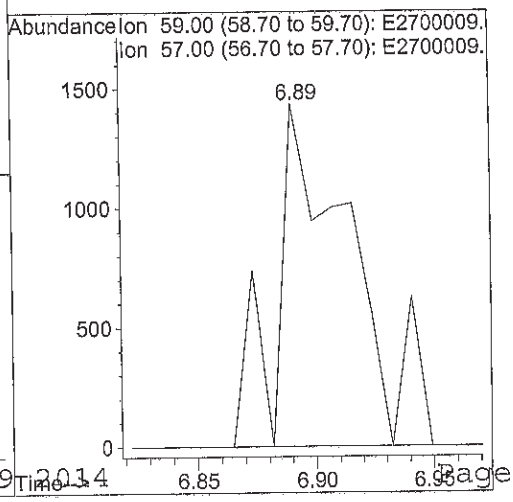


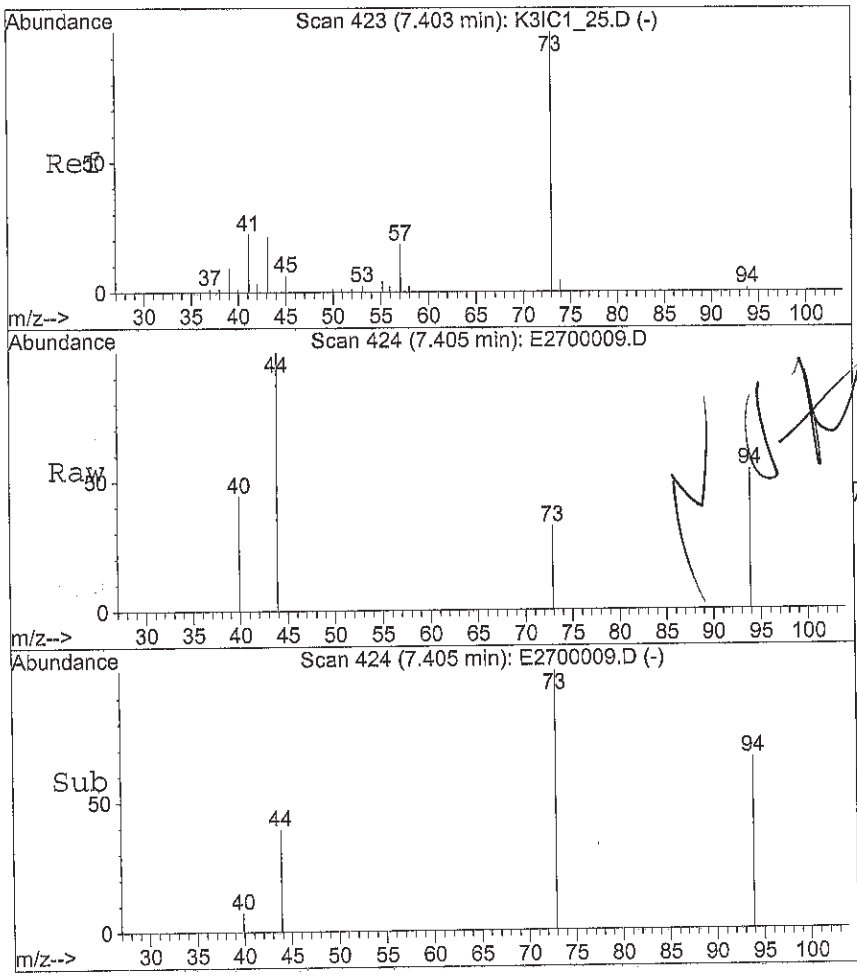


#15
(TBA) tert-Butanol
Concen: 9.62 ug/L
RT: 6.89 min Scan# 363
Delta R.T. -0.23 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 59 Resp: 2881

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

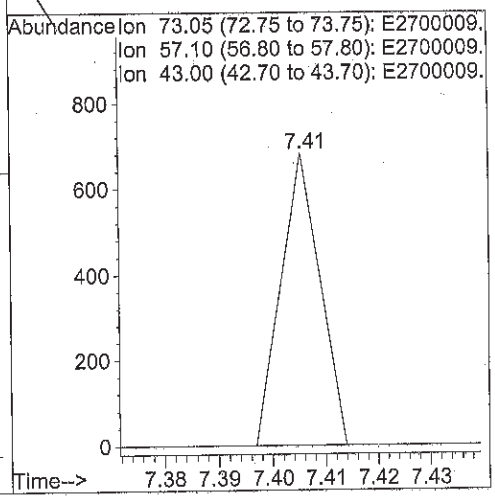


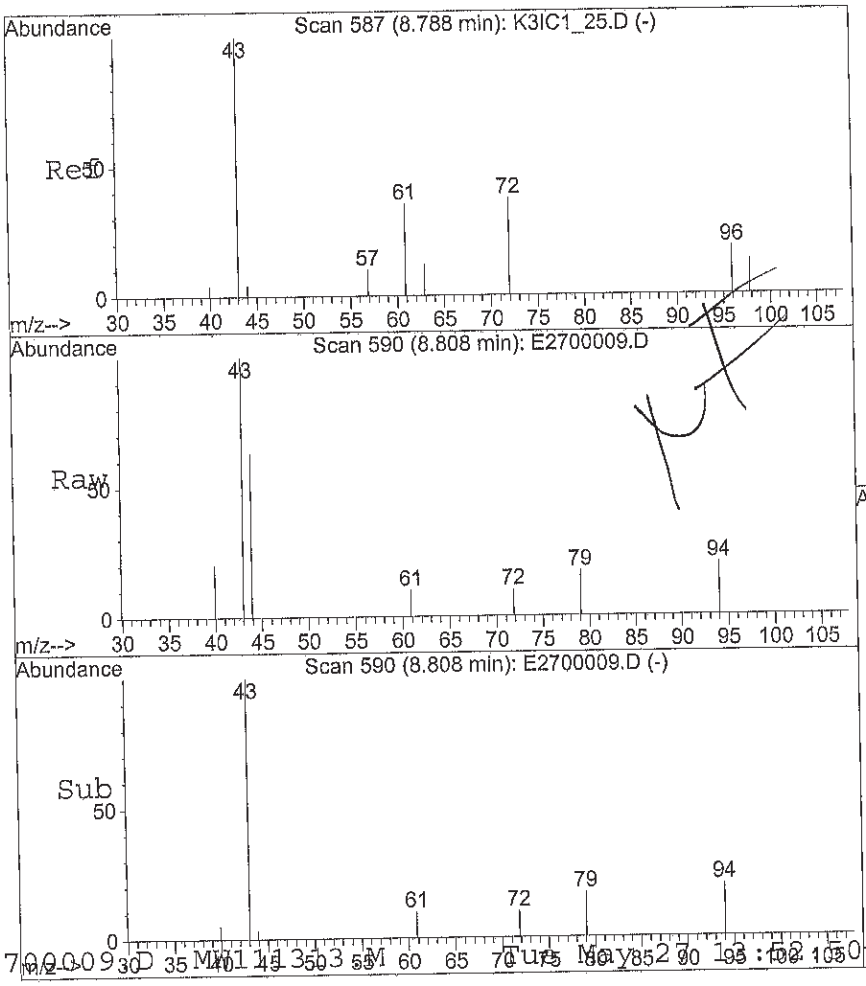


#16
(MTBE) Methyl-t-butyl ether
Concen: 0.03 ug/L
RT: 7.41 min Scan# 424
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 73 Resp: 346

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.8	23.8#
43	0.0	18.4	27.6#

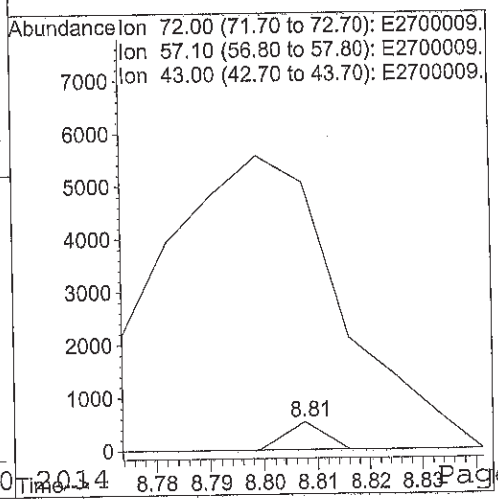


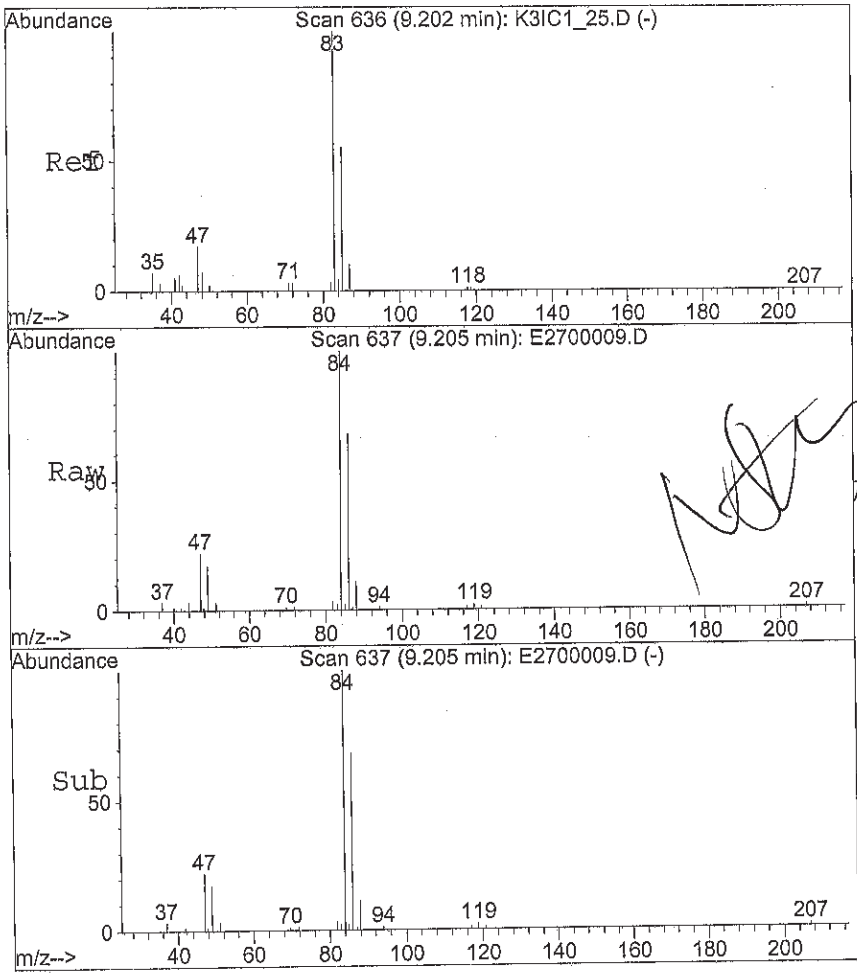


#21
(MEK) 2-Butanone
Concen: 0.54 ug/L
RT: 8.81 min Scan# 590
Delta R.T. 0.02 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 72 Resp: 268

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	5032.1	314.2	471.2#

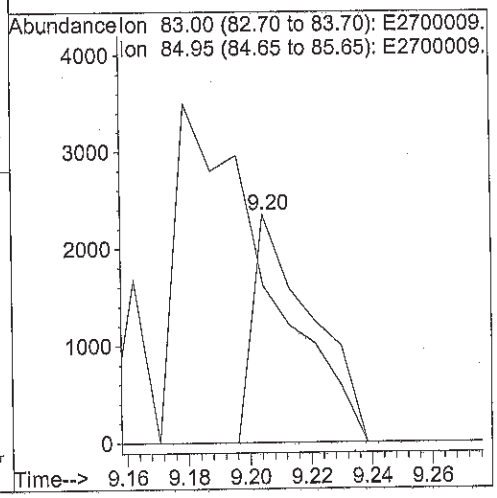


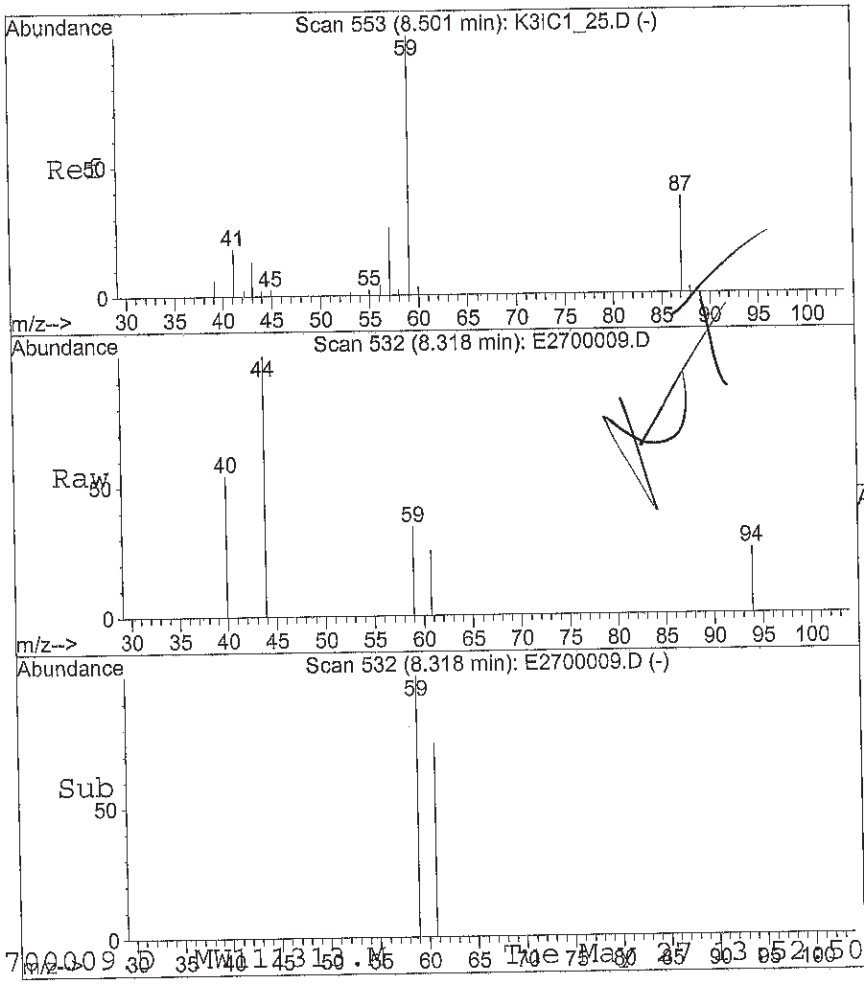


#24
Chloroform
Concen: 0.34 ug/L
RT: 9.20 min Scan# 637
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 83 Resp: 3122

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

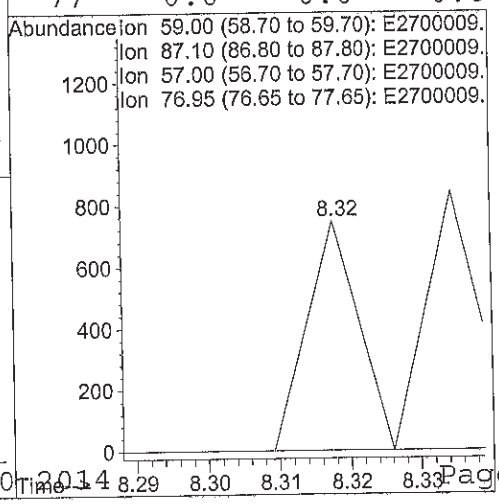


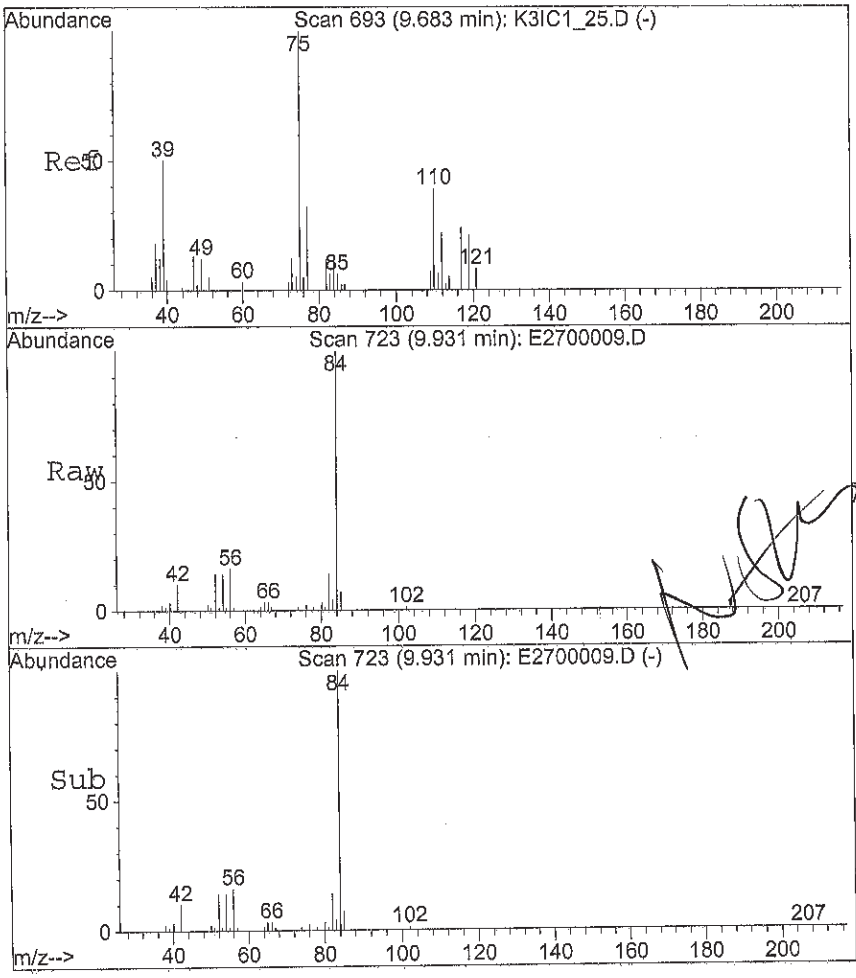


#25
(ETBE) 2-ethoxy 2-methyl propan
Concen: 0.03 ug/L
RT: 8.32 min Scan# 532
Delta R.T. -0.18 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 59 Resp: 379

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

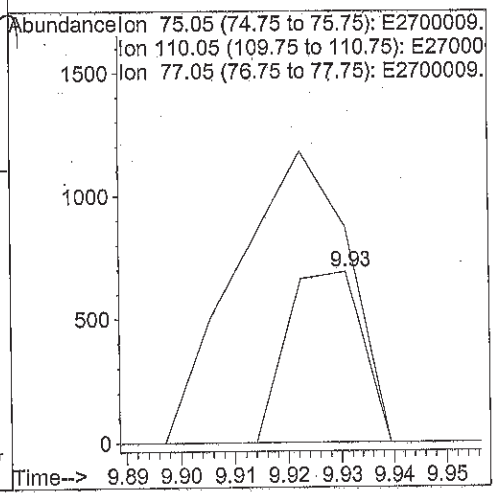


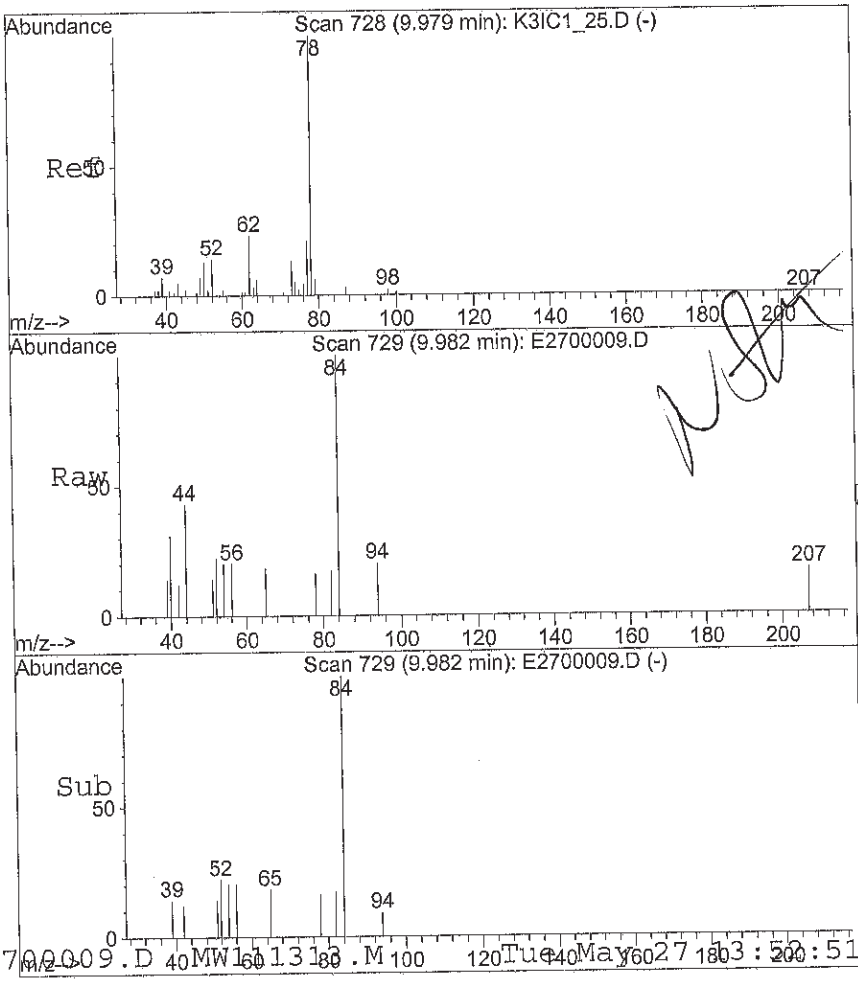


#29
1,1-Dichloropropene
Concen: 0.10 ug/L
RT: 9.93 min Scan# 723
Delta R.T. 0.25 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 75 Resp: 684

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	251.5	25.0	37.4#

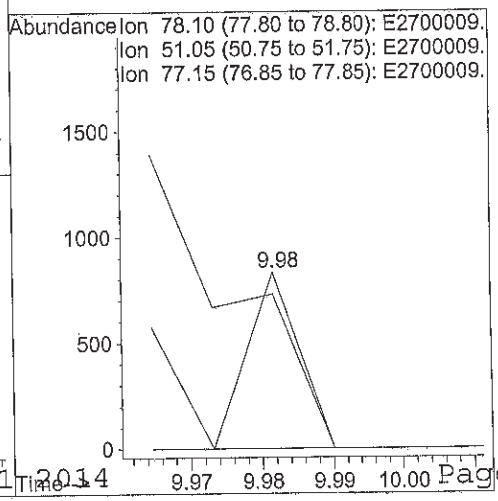


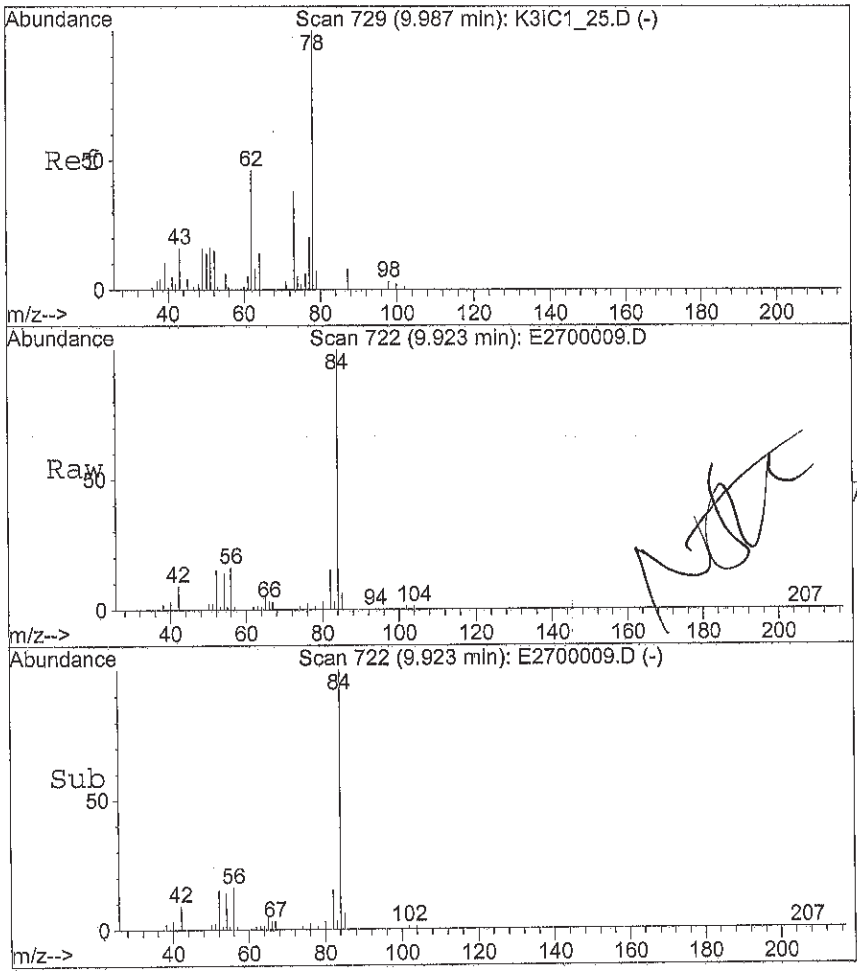


#31
Benzene
Concen: 0.03 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 78 Resp: 422

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

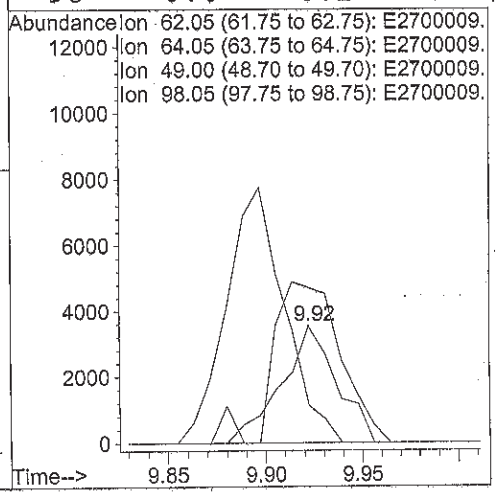


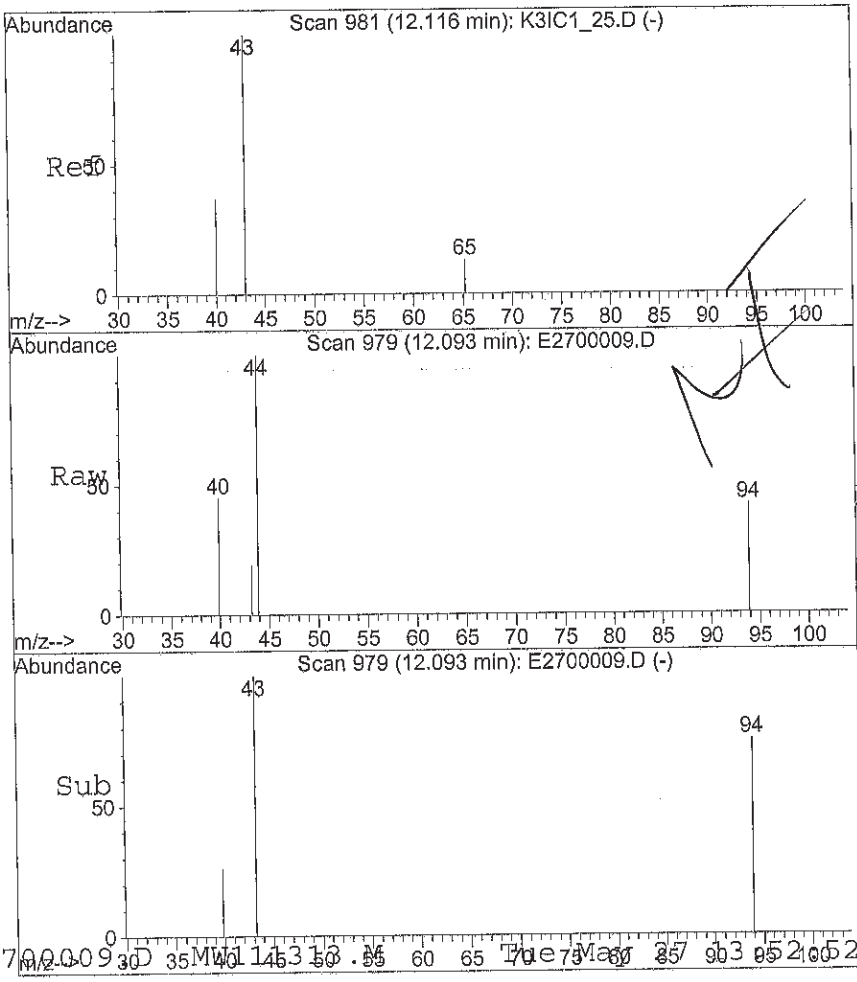


#32
1,2-Dichloroethane
Concen: 1.19 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 62 Resp: 6975

Ion	Ratio	Lower	Upper
62	100		
64	168.6	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

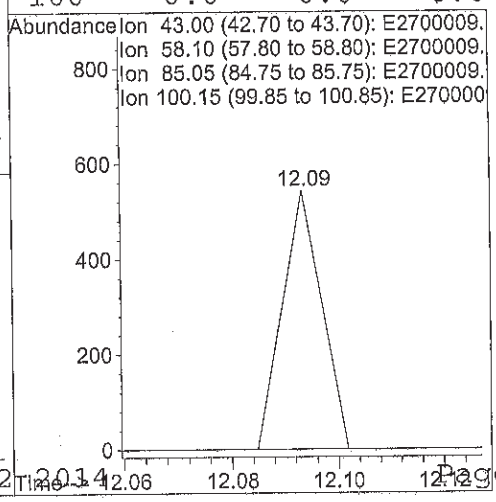


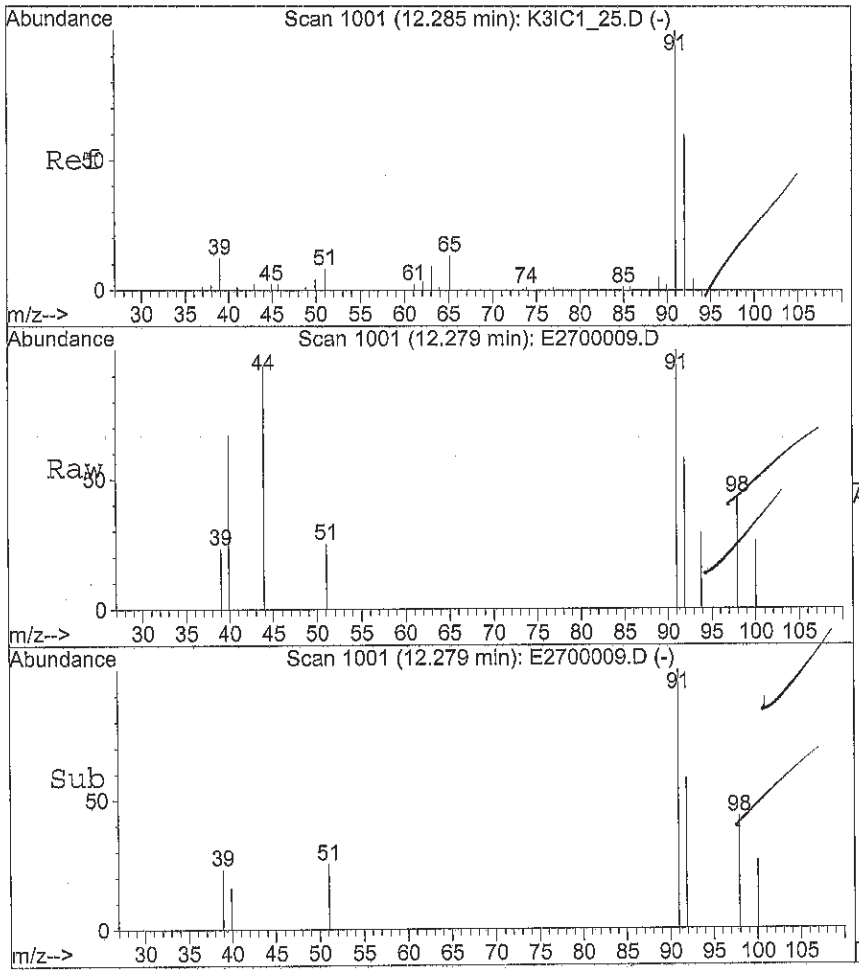


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.11 ug/L
RT: 12.09 min Scan# 979
Delta R.T. -0.02 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 43 Resp: 275

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

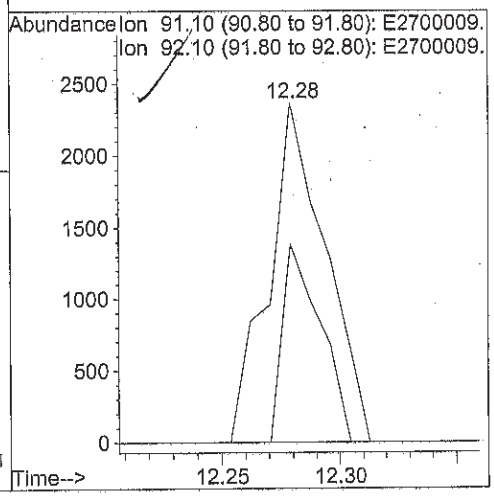


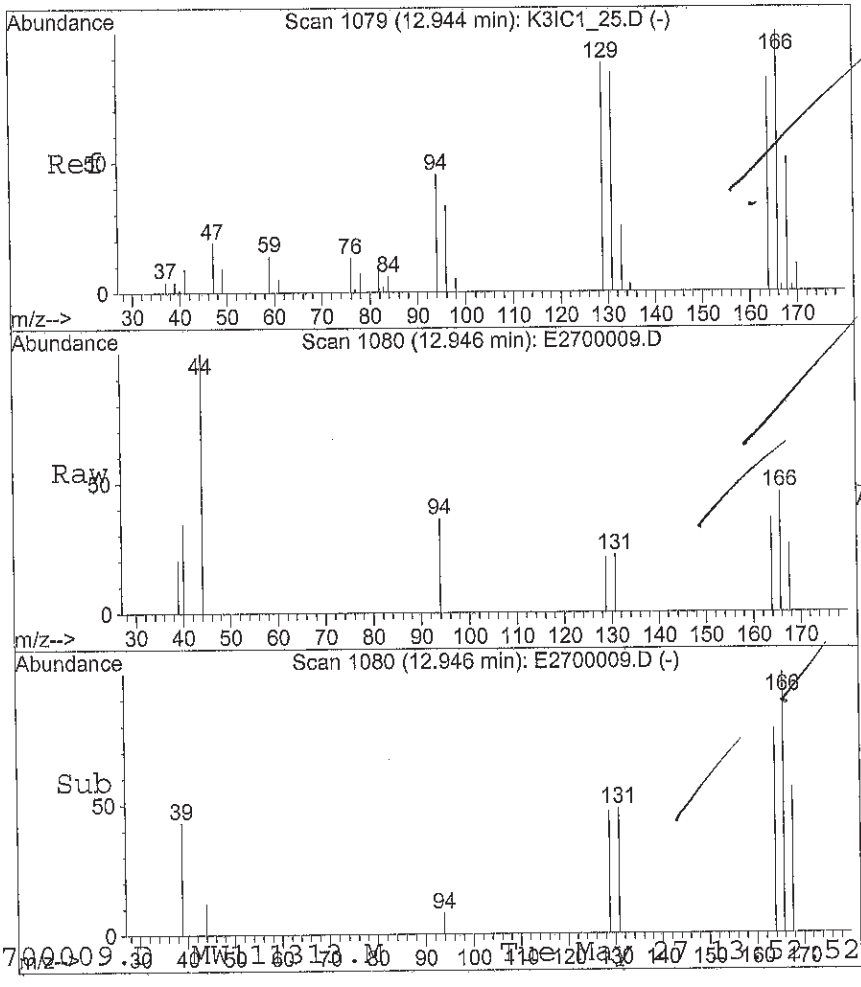


#41
Toluene
Concen: 0.22 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 91 Resp: 3933

Ion	Ratio	Lower	Upper
91	100		
92	39.1	47.4	71.0#

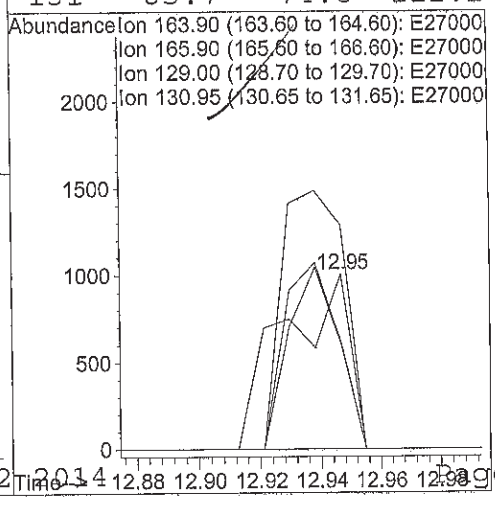


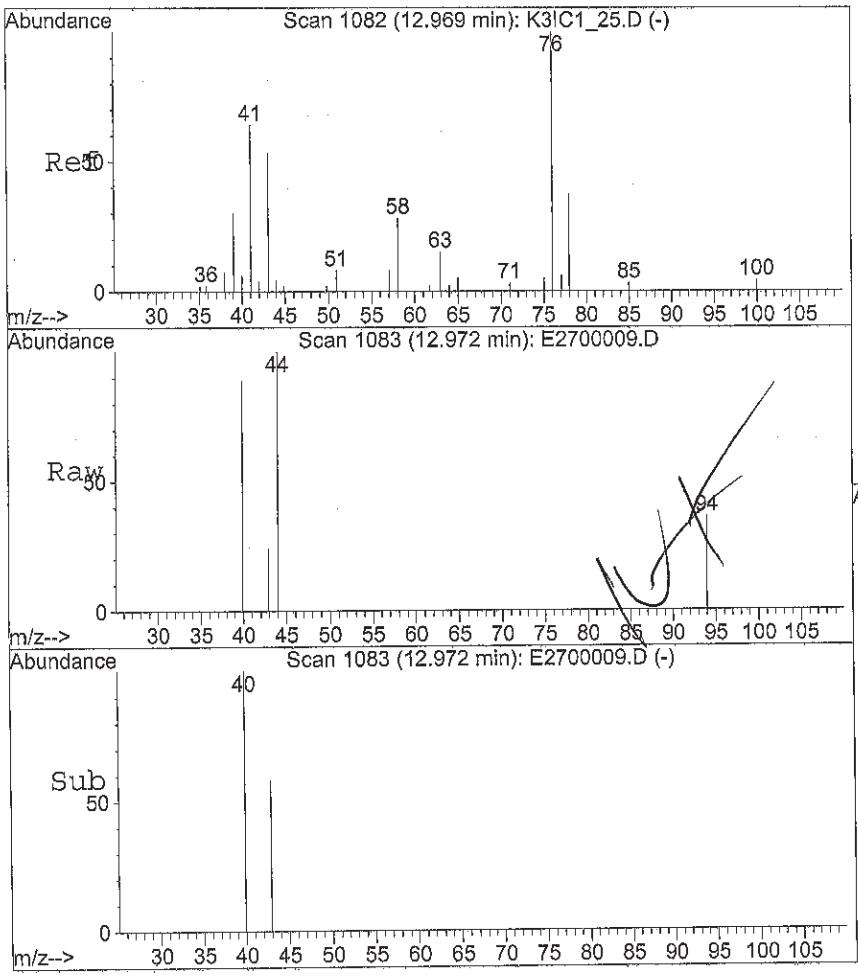


#44
Tetrachloroethene
Concen: 0.29 ug/L
RT: 12.95 min Scan# 1080
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:164 Resp: 1538

Ion	Ratio	Lower	Upper
164	100		
166	138.0	100.2	150.4
129	77.4	82.3	123.5#
131	85.7	74.8	112.2

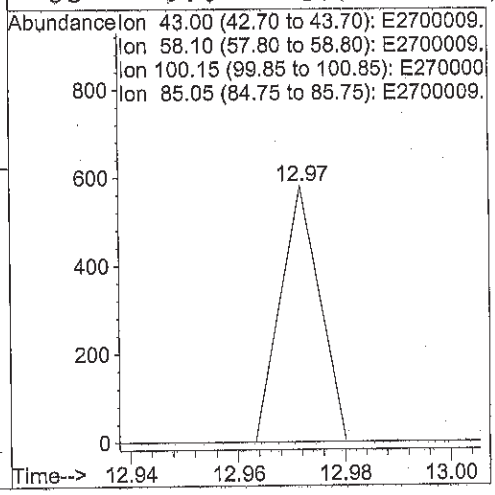


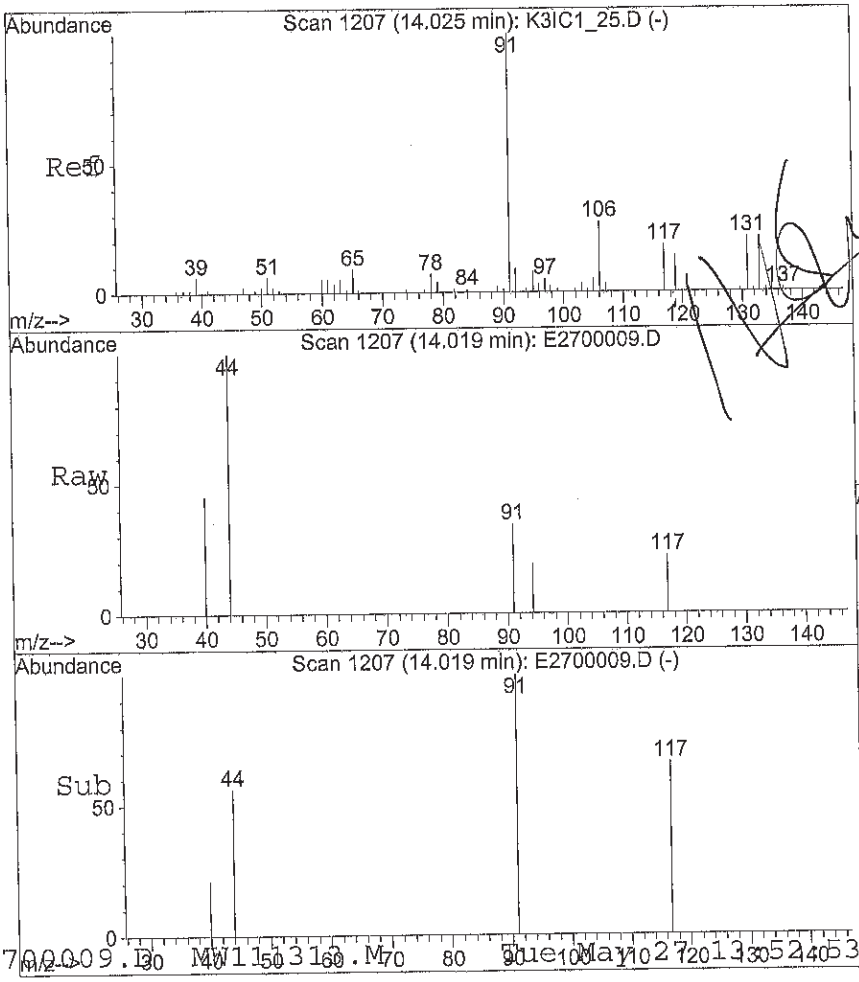


#46
2-Hexanone
Concen: 0.10 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 43 Resp: 294

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

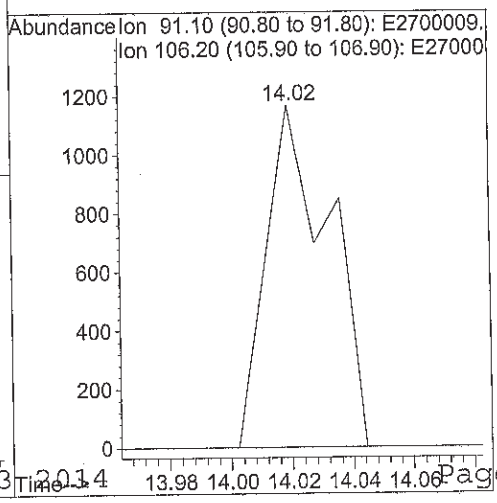


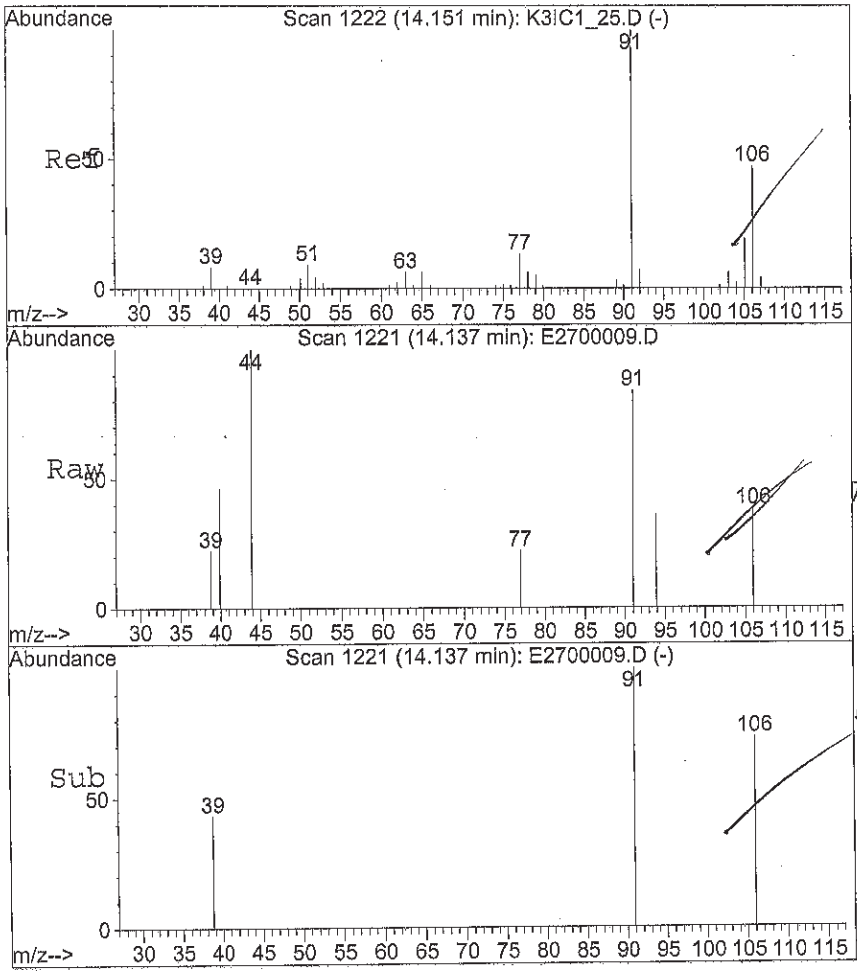


#51
Ethylbenzene
Concen: 0.08 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 91 Resp: 1666

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

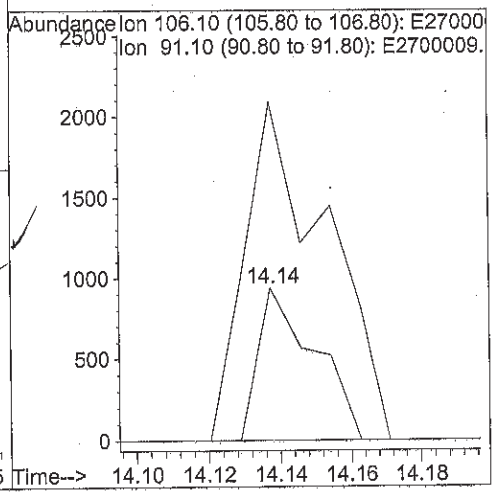


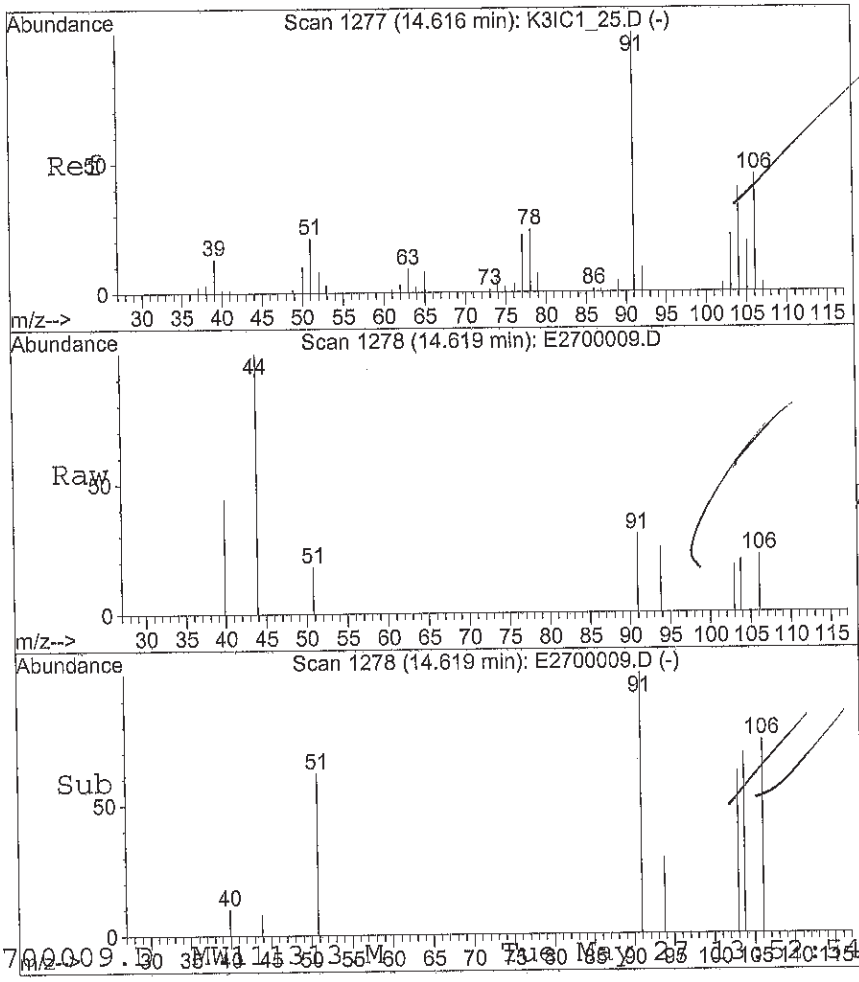


#52
m,p-Xylenes
Concen: 0.14 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:106 Resp: 1022

Ion	Ratio	Lower	Upper
106	100		
91	324.8	177.1	265.7#

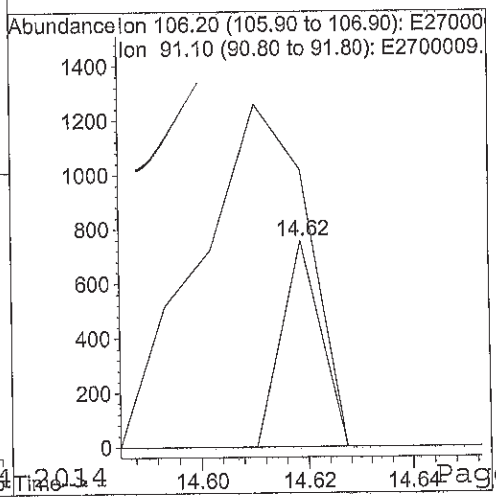


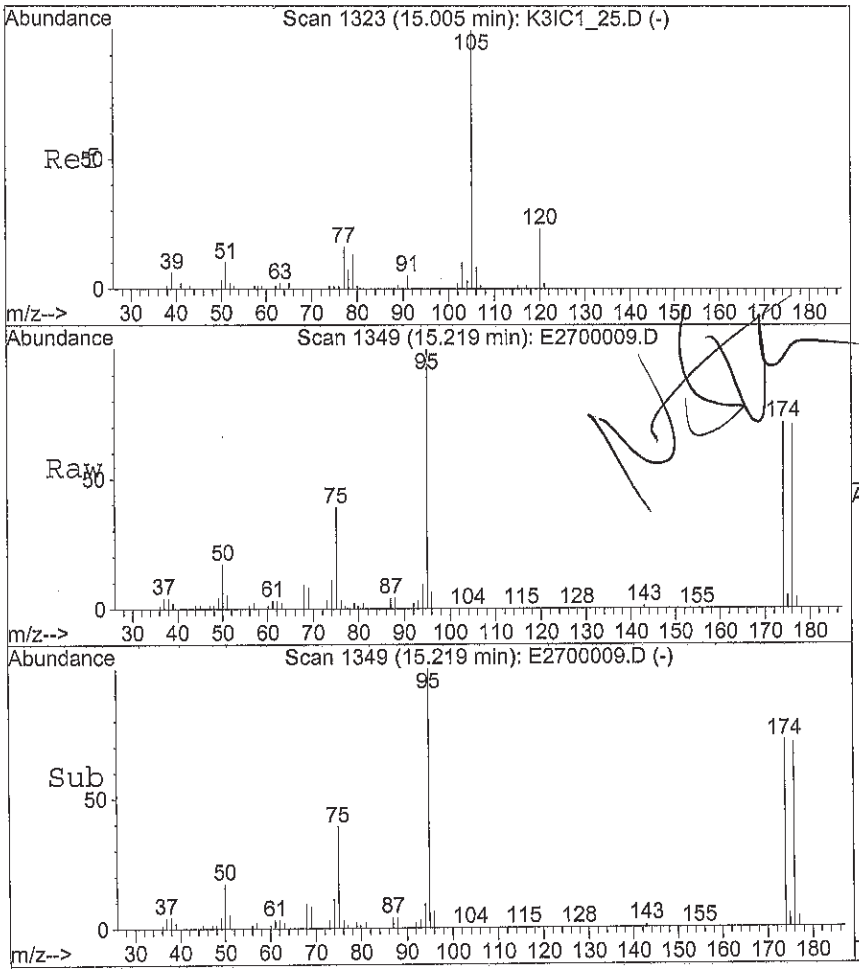


#53
o-Xylene
Concen: 0.05 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:106 Resp: 383

Ion	Ratio	Lower	Upper
106	100		
91	464.5	179.0	268.6#

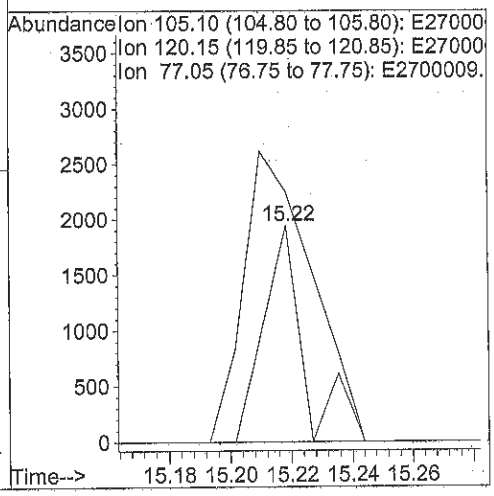


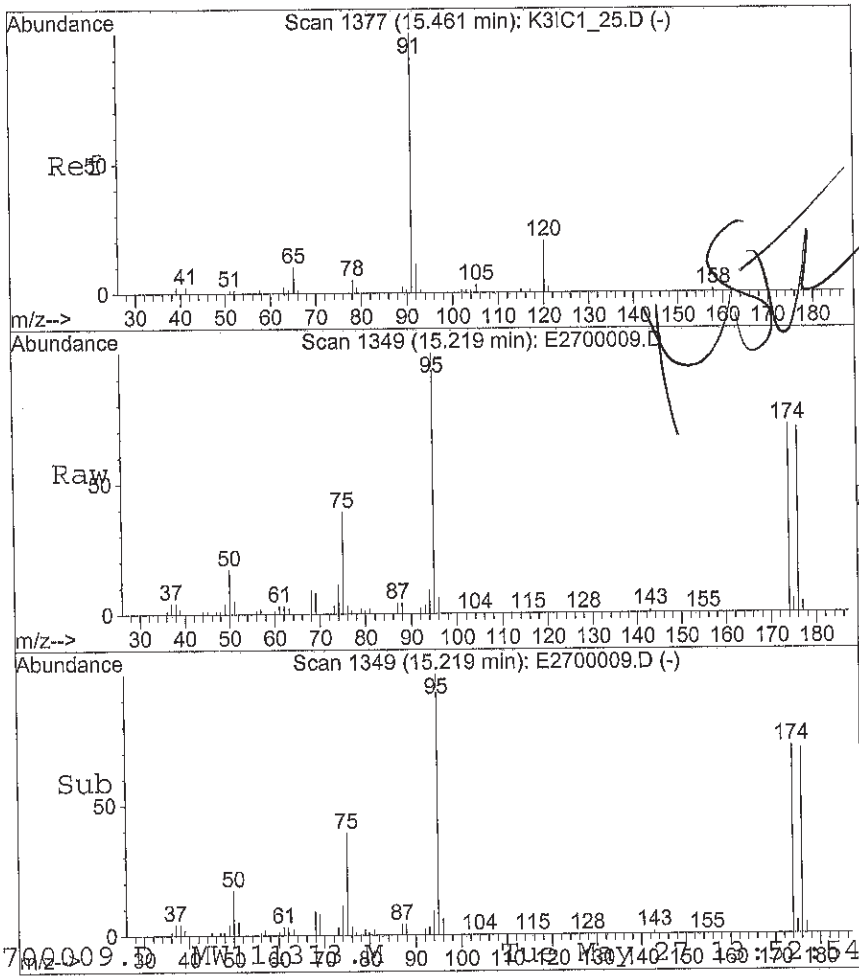


#56
Isopropylbenzene
Concen: 0.09 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:105 Resp: 1782

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	228.3	13.1	19.7#

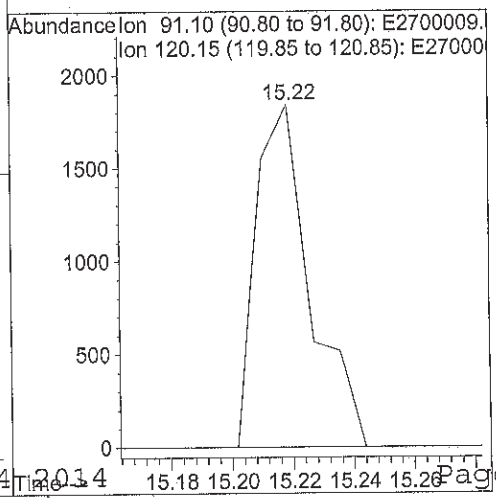


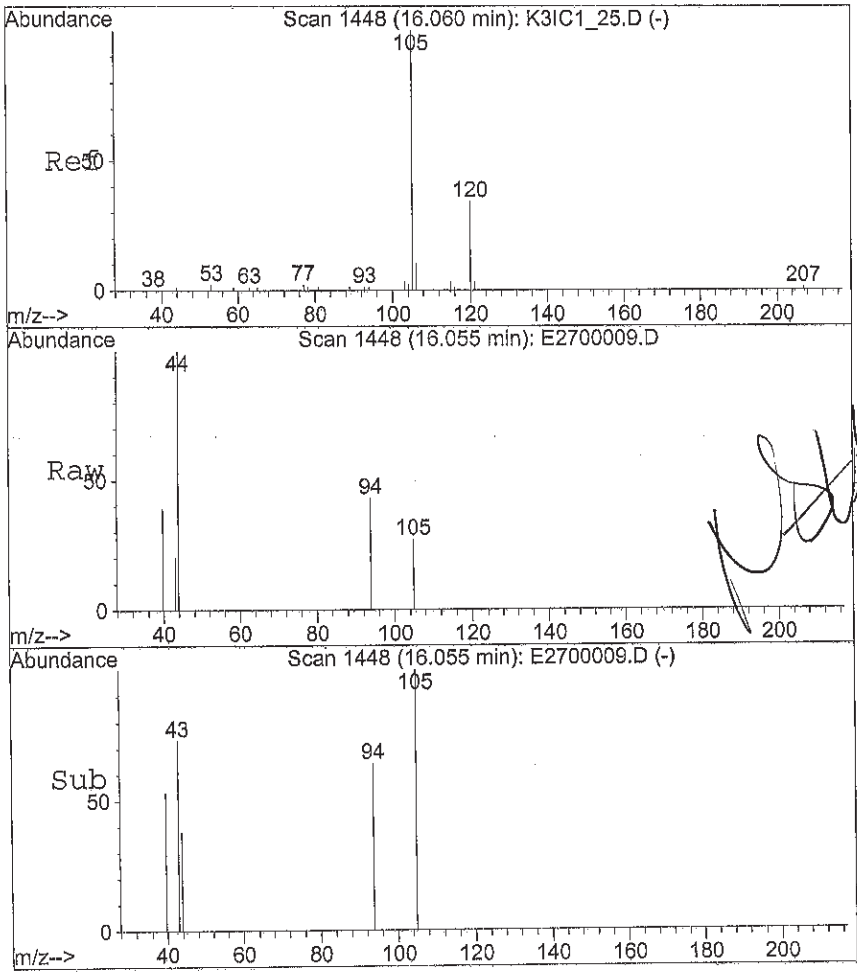


#62
n-Propylbenzene
Concen: 0.08 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. -0.24 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion: 91 Resp: 2267

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

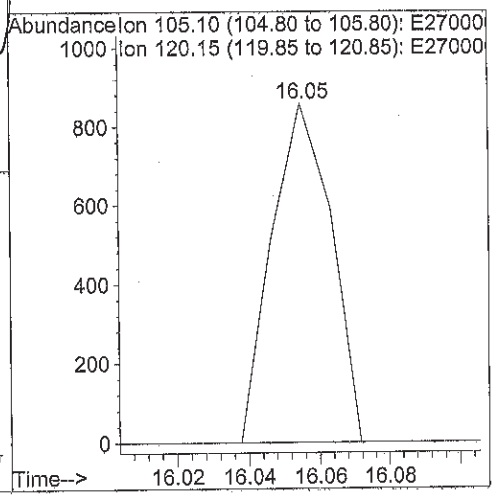


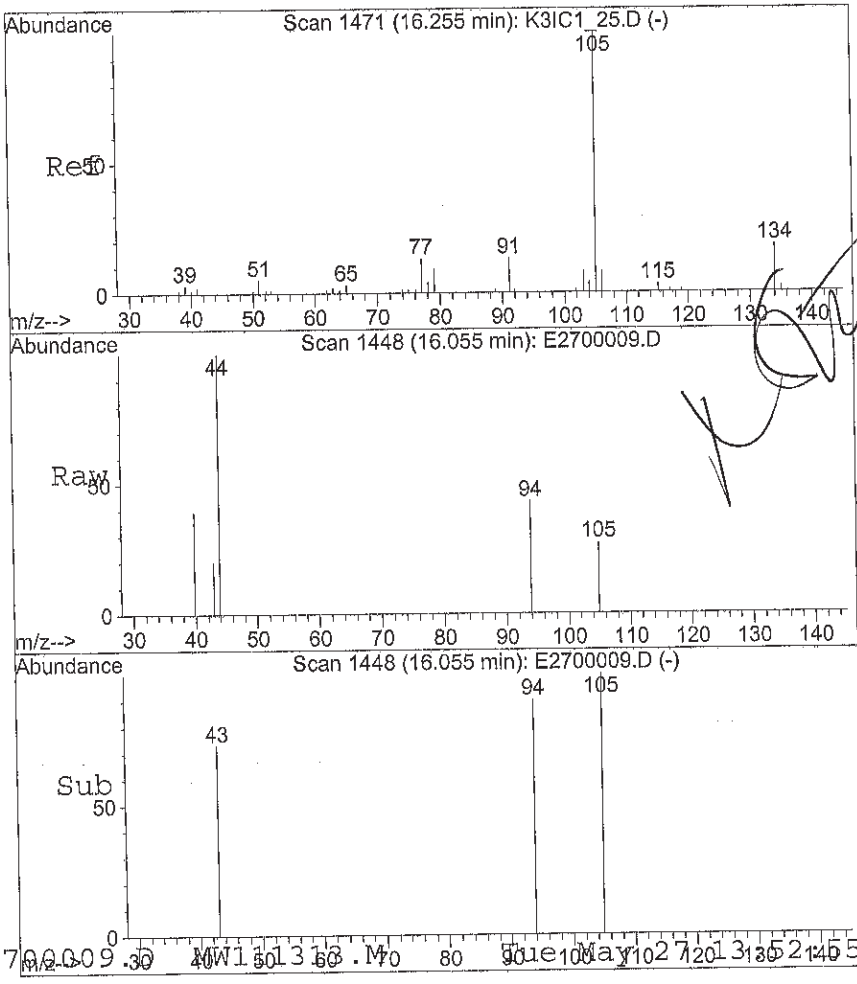


#67
1,2,4-Trimethylbenzene
Concen: 0.06 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:105 Resp: 994

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

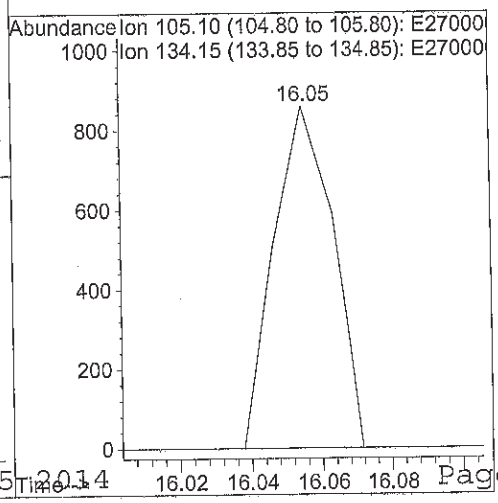


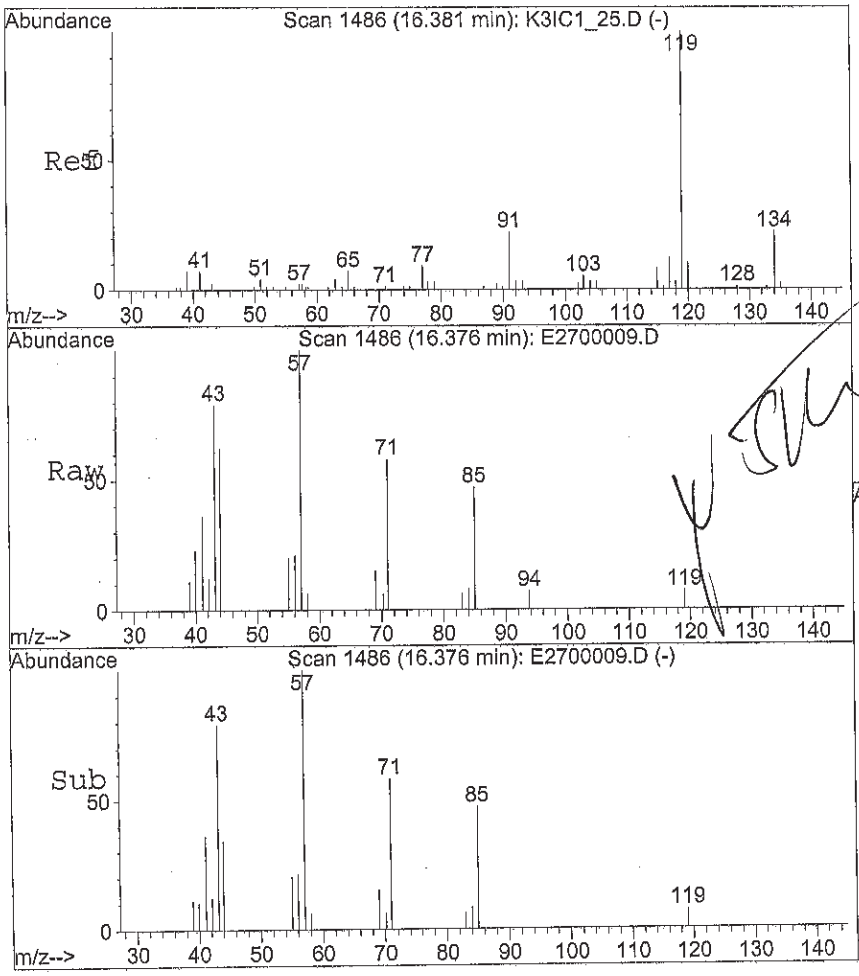


#68
sec-Butylbenzene
Concen: 0.04 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.20 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:105 Resp: 994

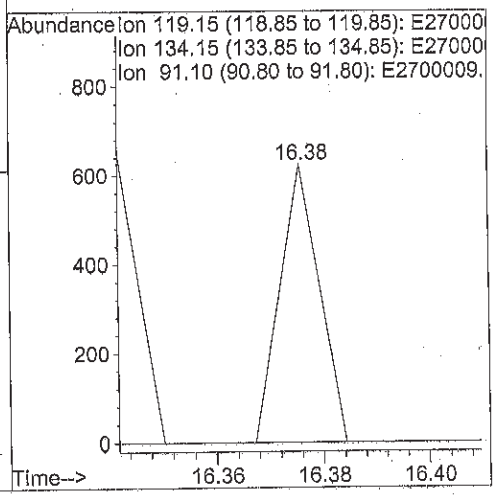
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#





#69
p-Isopropyltoluene
Concen: 0.02 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2700009.D
Acq: 27 May 2014 1:31 pm

Tgt Ion:119	Resp:	316	
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700009.D Vial: 8
Acq On : 27 May 2014 1:31 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:54 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1755921	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1286154	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	676173	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	486155	10.65	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.20%			
3) Chloroform-d (SU6)	9.18	84	734956	11.22	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.76%			
4) Methylene Chloride-d2 (SU5	7.07	86	418137	10.92	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 87.36%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	445620	14.28	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 114.24%			
6) Benzene-d6 (SU7)	9.92	84	1416811	10.28	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 82.24%			
8) Toluene-d8 (SU3)	12.20	98	1524962	12.50	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.00%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	693285	13.76	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.08%			

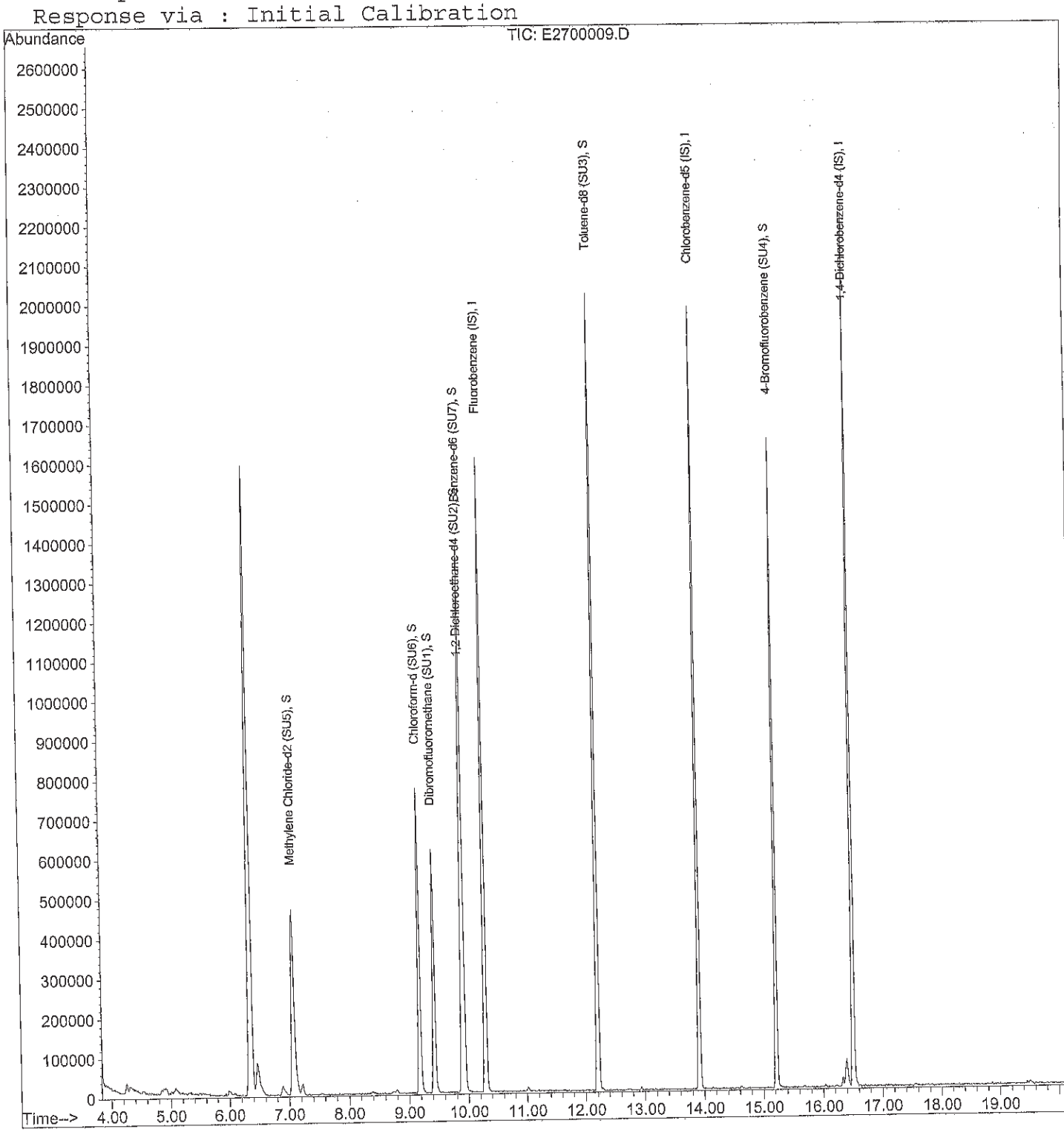
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700009.D Vial: 8
Acq On : 27 May 2014 1:31 pm Operator: DN
Sample : 3E42701-07 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-10.0-11.0 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 13:54 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700010.D Vial: 8
Acq On : 27 May 2014 2:01 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-15.5-16.5 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 14:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Rerun 1X

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1745629	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1286126	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	662328	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	475929	10.93	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.44%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	445986	10.78	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.24%			
39) Toluene-d8 (SU3)	12.20	98	1503881	12.54	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.32%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	692191	13.16	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 105.28%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	4276	0.24	ug/L #	54
6) Bromomethane	5.06	96	8247	2.52	ug/L #	58
7) Chloroethane	5.11	64	2633	2.50	ug/L	89
9) (F113) 1,1,2-Trichloro-tri	6.34	151	271	0.08	ug/L #	19
11) Acetone	6.47	58	12120	14.02	ug/L	92
12) (IPA) Leak Check Compound	6.47	45	161582	770.31	ug/L #	87
14) Methylene Chloride	7.06	84	4848	1.01	ug/L #	1
15) (TBA) tert-Butanol	6.95	59	598	2.01	ug/L #	77
20) 2,2-Dichloropropane	8.78	77	292	0.04	ug/L #	1
24) Chloroform	9.21	83	1729	0.19	ug/L #	18
29) 1,1-Dichloropropene	9.93	75	333	0.05	ug/L #	1
31) Benzene	9.99	78	449	0.03	ug/L #	57
32) 1,2-Dichloroethane	9.92	62	5912	1.02	ug/L #	1
34) 1,2-Dichloropropane	11.03	63	314	0.08	ug/L #	2
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	6930	2.70	ug/L #	100
41) Toluene	12.28	91	2910	0.17	ug/L #	83
46) 2-Hexanone	12.73	43	1540	0.55	ug/L #	37
51) Ethylbenzene	14.03	91	1784	0.09	ug/L #	75
52) m,p-Xylenes	14.13	106	1435	0.20	ug/L	73
54) Styrene	14.62	104	2490	-0.62	ug/L #	73
56) Isopropylbenzene	15.22	105	1752	0.09	ug/L #	1
57) 1,2,3-Trichloropropane	15.33	75	286	0.05	ug/L #	36

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700010.D Vial: 8
Acq On : 27 May 2014 2:01 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-15.5-16.5 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 14:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

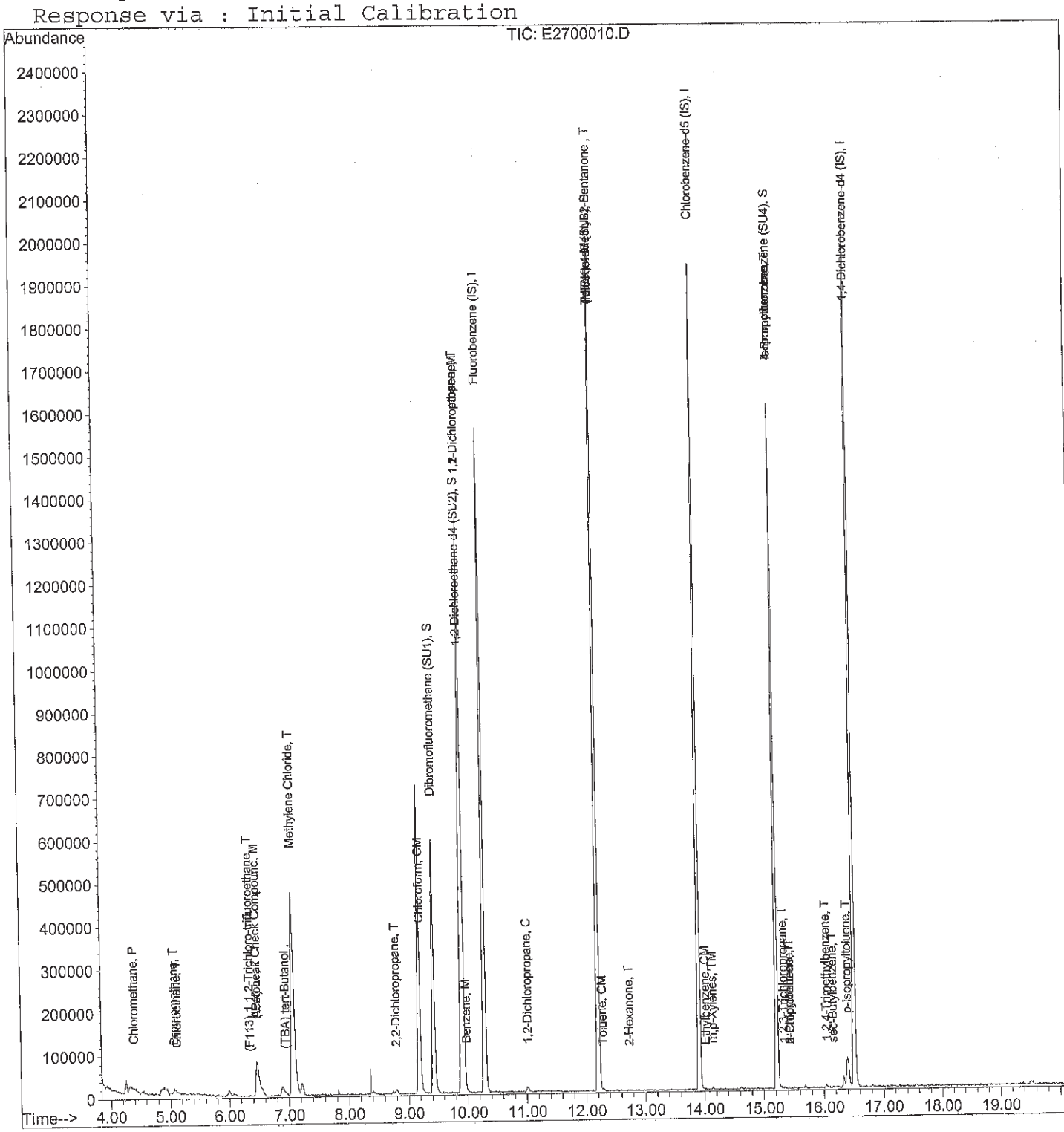
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
62) n-Propylbenzene	15.44	91	599	0.02 ug/L #	56
63) 2-Chlorotoluene	15.44	91	599	0.04 ug/L #	45
67) 1,2,4-Trimethylbenzene	16.05	105	264	0.02 ug/L #	33
68) sec-Butylbenzene	16.15	105	293	0.01 ug/L #	62
69) p-Isopropyltoluene	16.38	119	869	0.05 ug/L #	52

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700010.D Vial: 8
Acq On : 27 May 2014 2:01 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 5cc SVL-513-SA5D-SV-15.5-16.5 20X DIL Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 14:26 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700011.D Vial: 2
Acq On : 27 May 2014 2:34 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-15.5-16.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1694263	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1301352	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	693994	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.42	113	481941	11.40 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.20%		
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	462116	11.51 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.08%		
39) Toluene-d8 (SU3)	12.20	98	1510269	12.44 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 99.52%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	709259	13.33 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.64%		
Target Compounds					Qvalue
3) (F12) Dichlorodifluorometh	4.10	85	626	0.15 ~~ug/L~~ #	44
4) Chloromethane	4.41	50	6597	1.10 ~~ug/L~~ #	54
6) Bromomethane	5.04	96	8385	2.72 ~~ug/L~~	95
7) Chloroethane	5.24	64	3198	2.96 ~~ug/L~~ #	32
9) (F113) 1,1,2-Trichloro-tri	6.35	151	65999	19.82 ug/L 0.396	99
10) 1,1-Dichloroethene	6.43	96	4608	1.15 ug/L # 0.023	85
11) Acetone	6.47	58	11841	14.16 ~~ug/L~~	97
12) (IPA) Leak Check Compound	6.46	45	205852	1011.11 ~~ug/L~~	88
13) Carbon disulfide	6.84	76	14009	0.99 ~~ug/L~~	95
14) Methylene Chloride	7.07	84	6505	1.40 ~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.14	59	634	2.19 ~~ug/L~~ #	77
19) cis-1,2-Dichloroethene	8.72	96	268	0.05 ~~ug/L~~ #	3
22) (DIPE) Diisopropyl Ether	8.18	45	255	0.02 ~~ug/L~~ #	48
24) Chloroform	9.21	83	858	0.10 ~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.37	59	257	0.02 ~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.91	75	620	0.09 ~~ug/L~~ #	1
31) Benzene	9.98	78	2686	0.17 ~~ug/L~~ #	73
32) 1,2-Dichloroethane	9.92	62	6374	1.13 ~~ug/L~~ #	1
35) Dibromomethane	11.00	93	259	0.09 ~~ug/L~~ #	5
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8060	3.10 ~~ug/L~~ #	100
41) Toluene	12.29	91	21574	1.22 ug/L 0.024	91
46) 2-Hexanone	12.94	43	908	0.32 ~~ug/L~~ #	37

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700011.D Vial: 2
Acq On : 27 May 2014 2:34 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-15.5-16.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

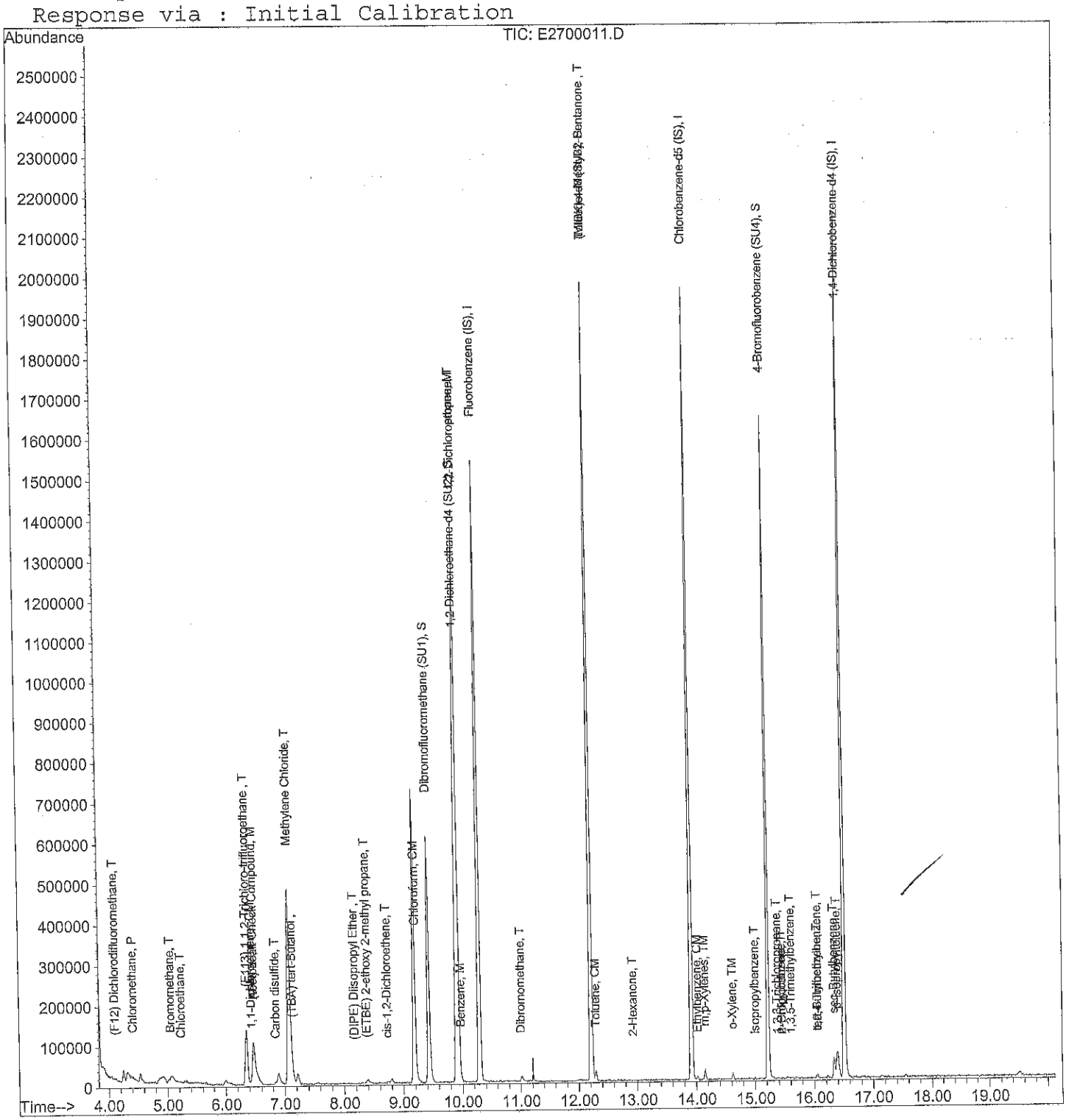
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
51) Ethylbenzene	14.03	91	7835	0.39 ug/L #	61
52) m,p-Xylenes	14.15	106	7224	1.01 ug/L	98
53) o-Xylene	14.62	106	3589	0.51 ug/L	99
54) Styrene	14.62	104	2710	-0.60 ug/L #	43
56) Isopropylbenzene	15.00	105	254	0.01 ug/L #	55
57) 1,2,3-Trichloropropane	15.37	75	260	0.05 ug/L #	36
62) n-Propylbenzene	15.46	91	1192	0.04 ug/L #	56
63) 2-Chlorotoluene	15.46	91	1192	0.07 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.62	105	699	0.04 ug/L #	31
66) tert-Butylbenzene	16.06	119	438	0.03 ug/L #	24
67) 1,2,4-Trimethylbenzene	16.06	105	3346	0.19 ug/L #	73
68) sec-Butylbenzene	16.33	105	254	0.01 ug/L #	62
69) p-Isopropyltoluene	16.38	119	950	0.05 ug/L #	52

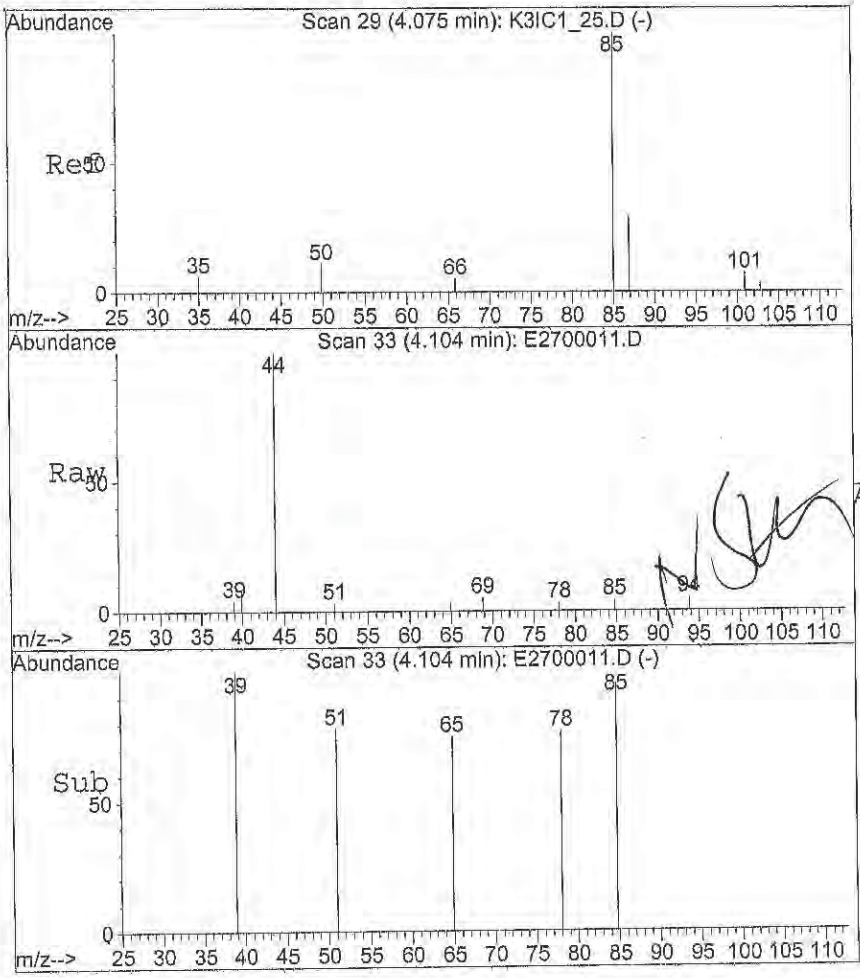
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700011.D Vial: 2
Acq On : 27 May 2014 2:34 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-15.5-16.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:09 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

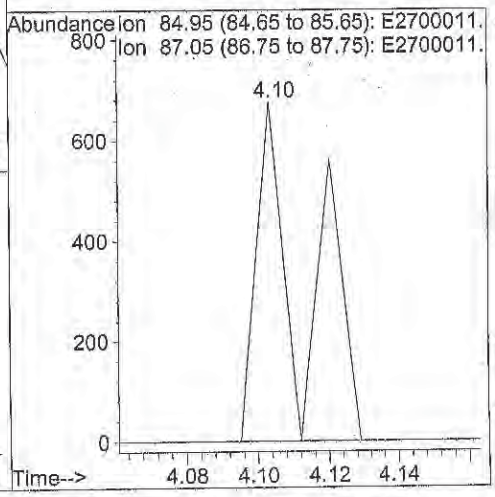


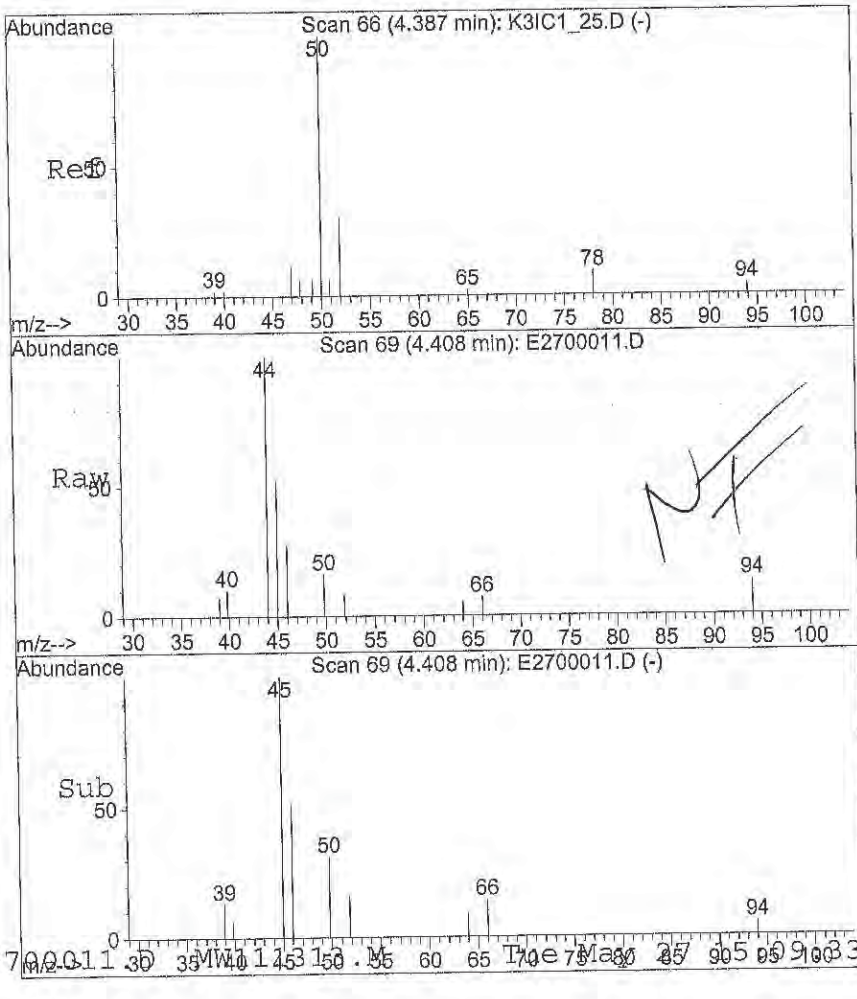


#3
(F12) Dichlorodifluoromethane
Concen: 0.15 ug/L
RT: 4.10 min Scan# 33
Delta R.T. 0.03 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 85 Resp: 626

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

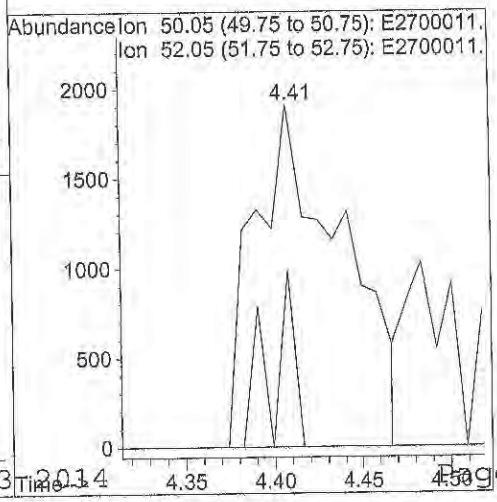


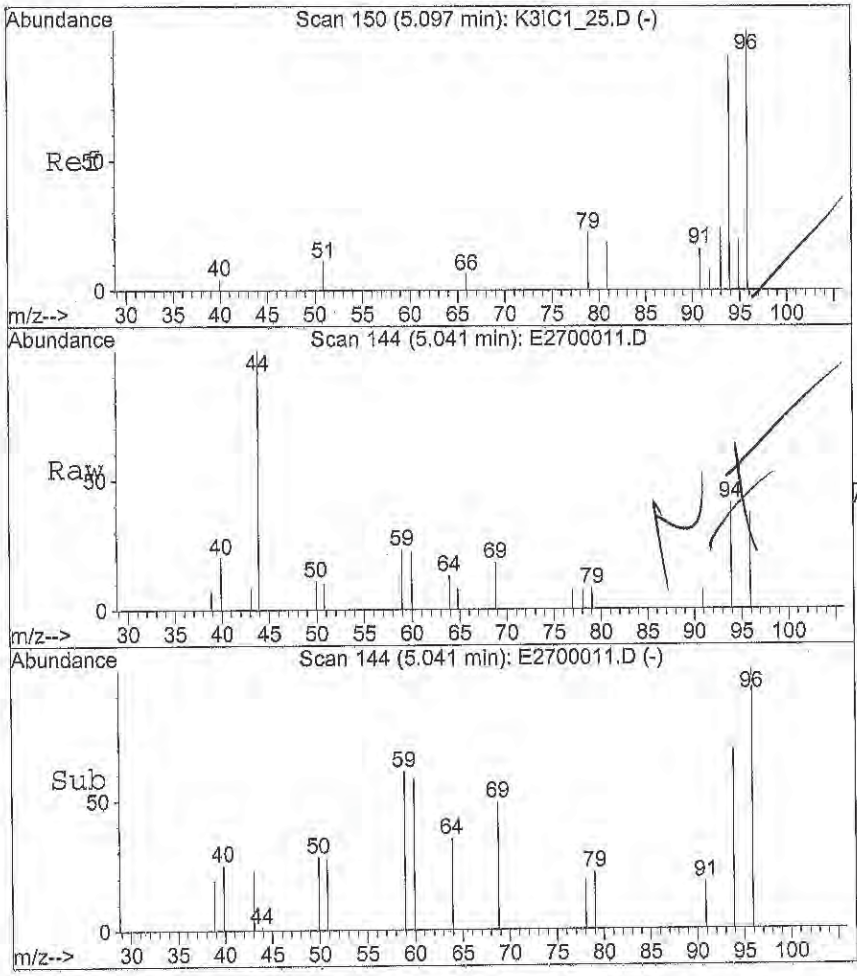


#4
Chloromethane
Concen: 1.10 ug/L
RT: 4.41 min Scan# 69
Delta R.T. 0.02 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 50 Resp: 6597

Ion	Ratio	Lower	Upper
50	100		
52	7.5	26.9	40.3#

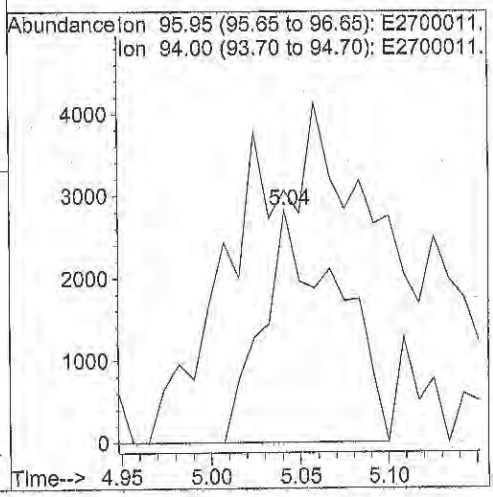


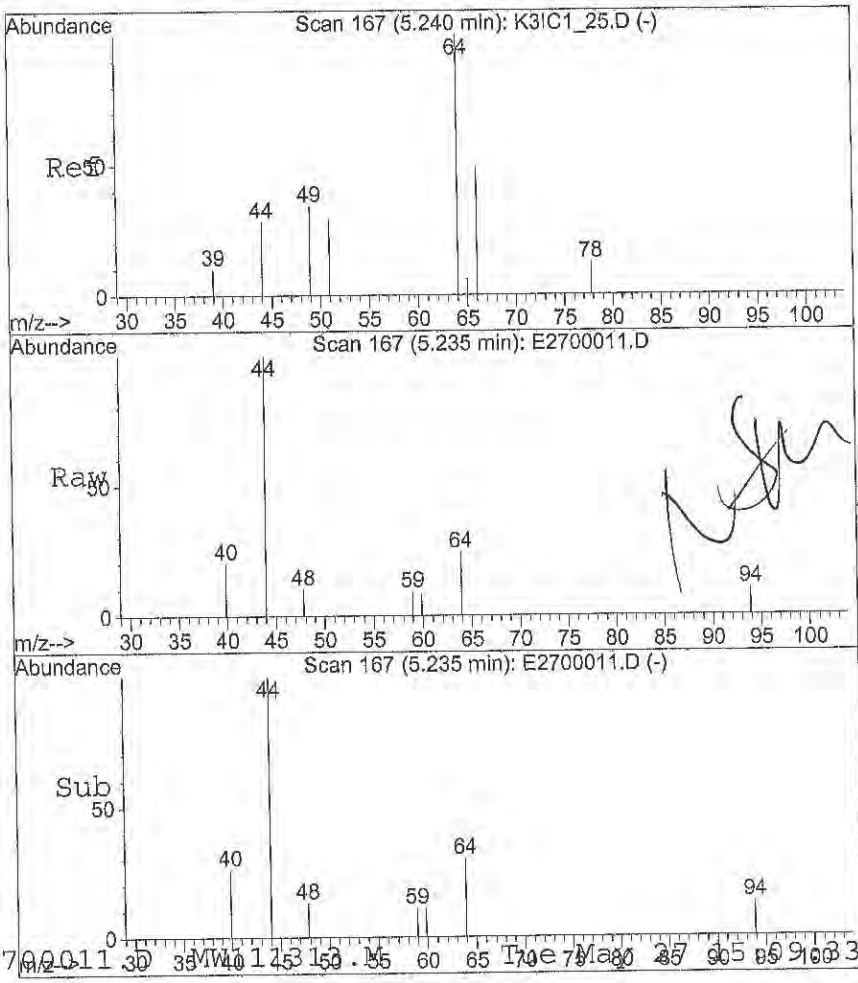


#6
Bromomethane
Concen: 2.72 ug/L
RT: 5.04 min Scan# 144
Delta R.T. -0.06 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 96 Resp: 8385

Ion	Ratio	Lower	Upper
96	100		
94	120.9	101.0	151.4

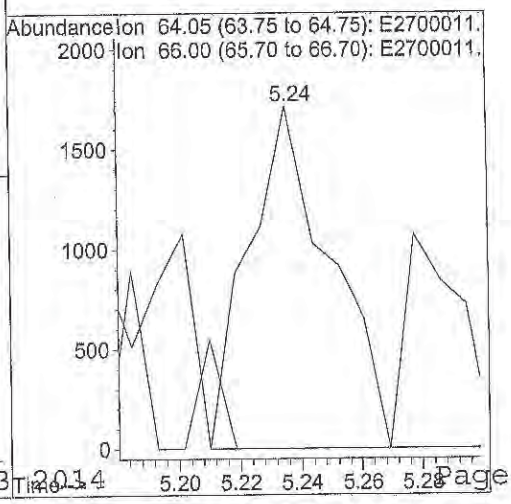


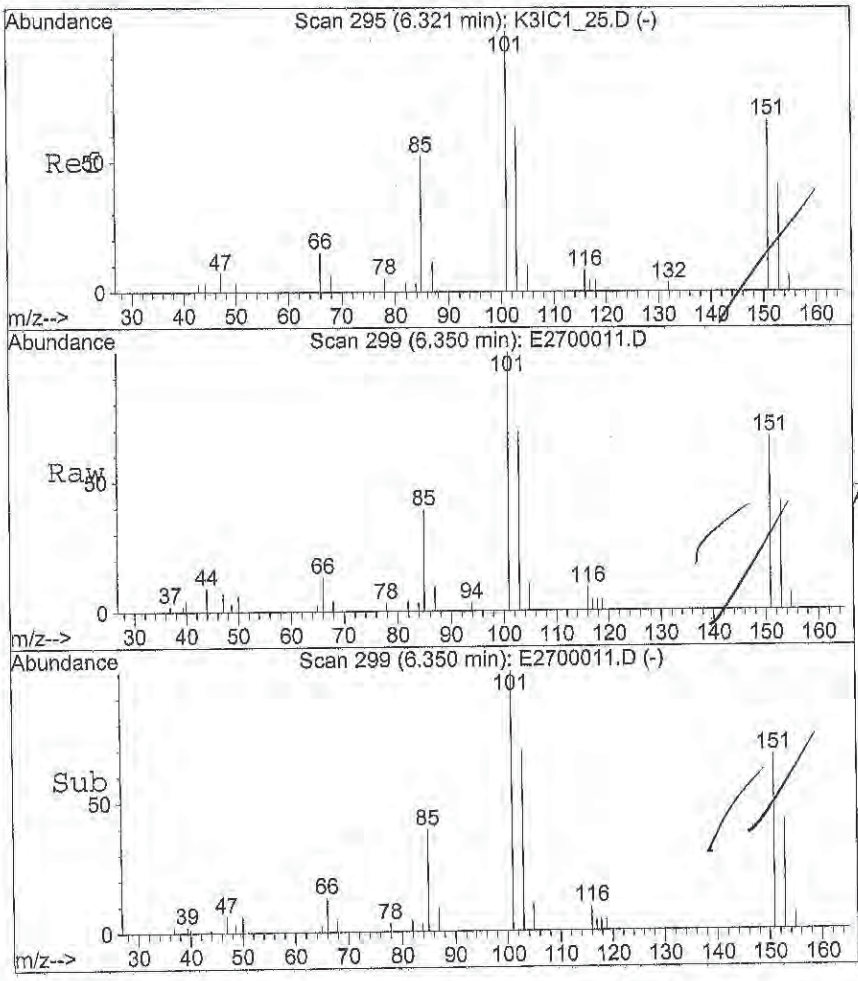


#7
Chloroethane
Concen: 2.96 ug/L
RT: 5.24 min Scan# 167
Delta R.T. -0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 64 Resp: 3198

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

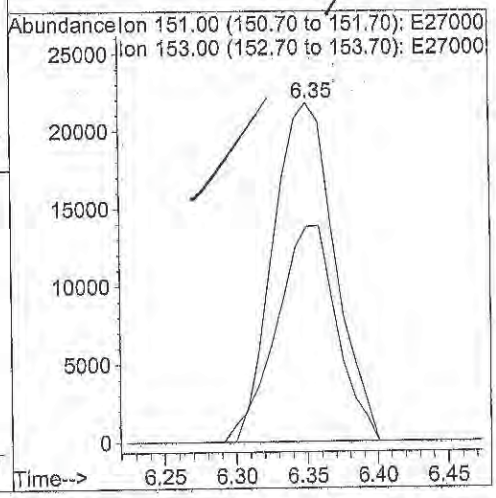


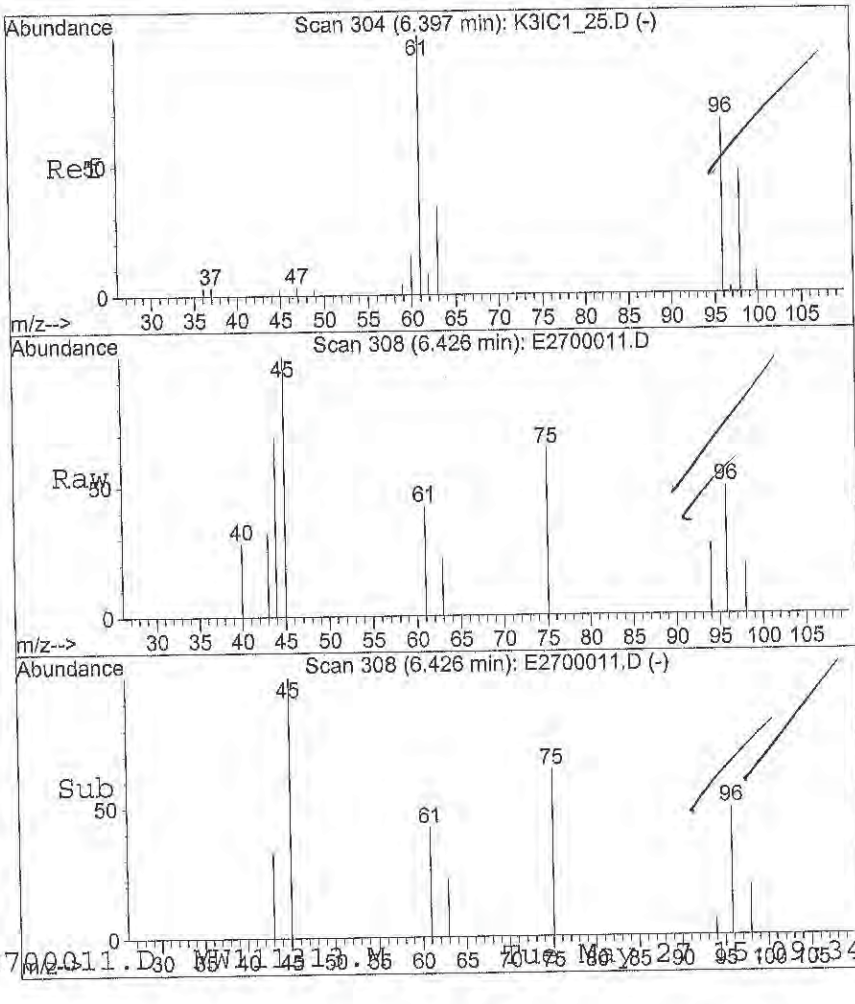


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 19.82 ug/L
RT: 6.35 min Scan# 299
Delta R.T. 0.03 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:151 Resp: 65999

Ion	Ratio	Lower	Upper
151	100		
153	61.3	49.6	74.4

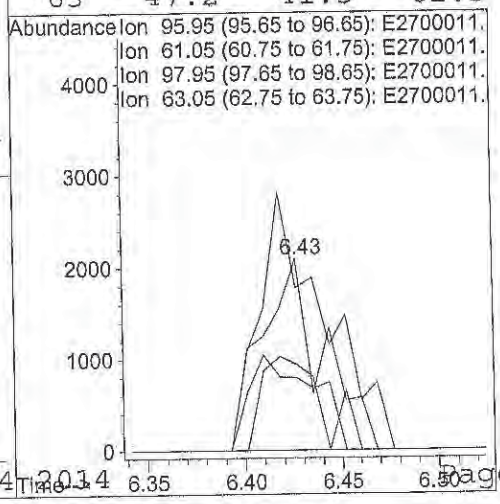


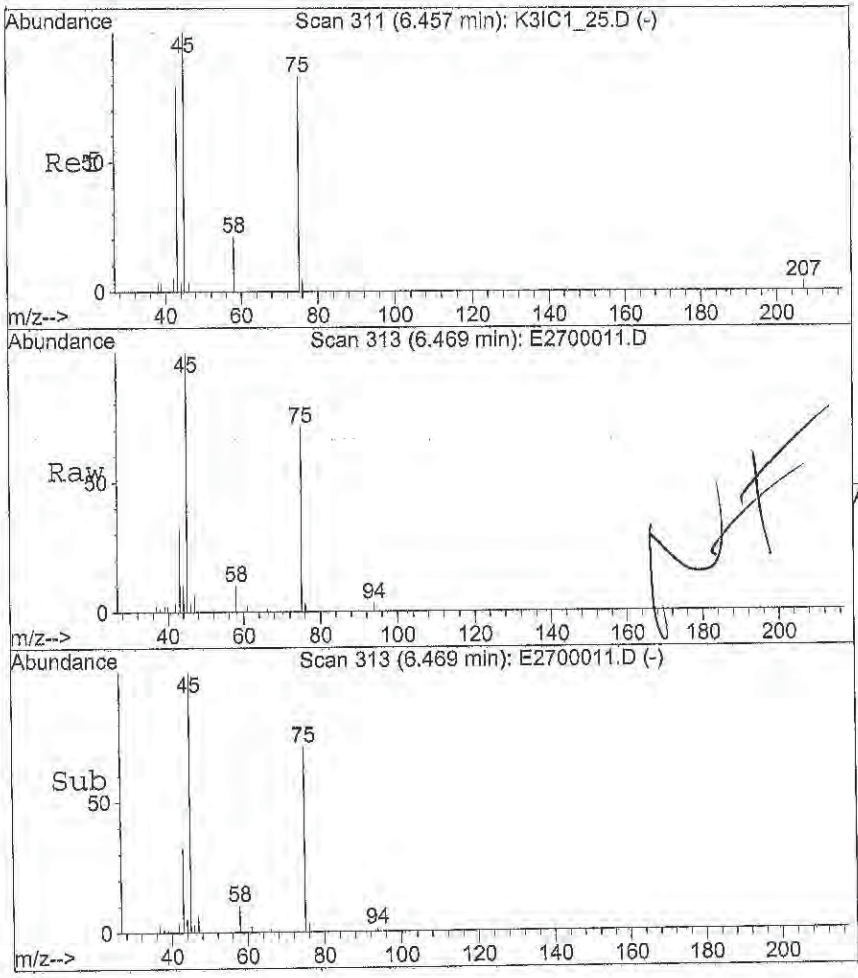


#10
1,1-Dichloroethene
Concen: 1.15 ug/L
RT: 6.43 min Scan# 308
Delta R.T. 0.03 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 96 Resp: 4608

Ion	Ratio	Lower	Upper
96	100		
61	143.3	130.0	195.0
98	51.5	56.2	84.4#
63	47.2	41.5	62.3

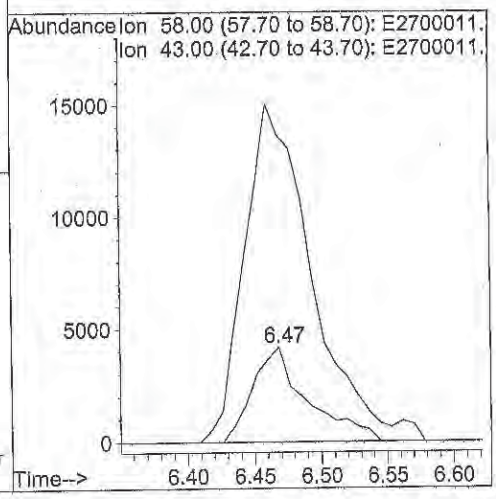


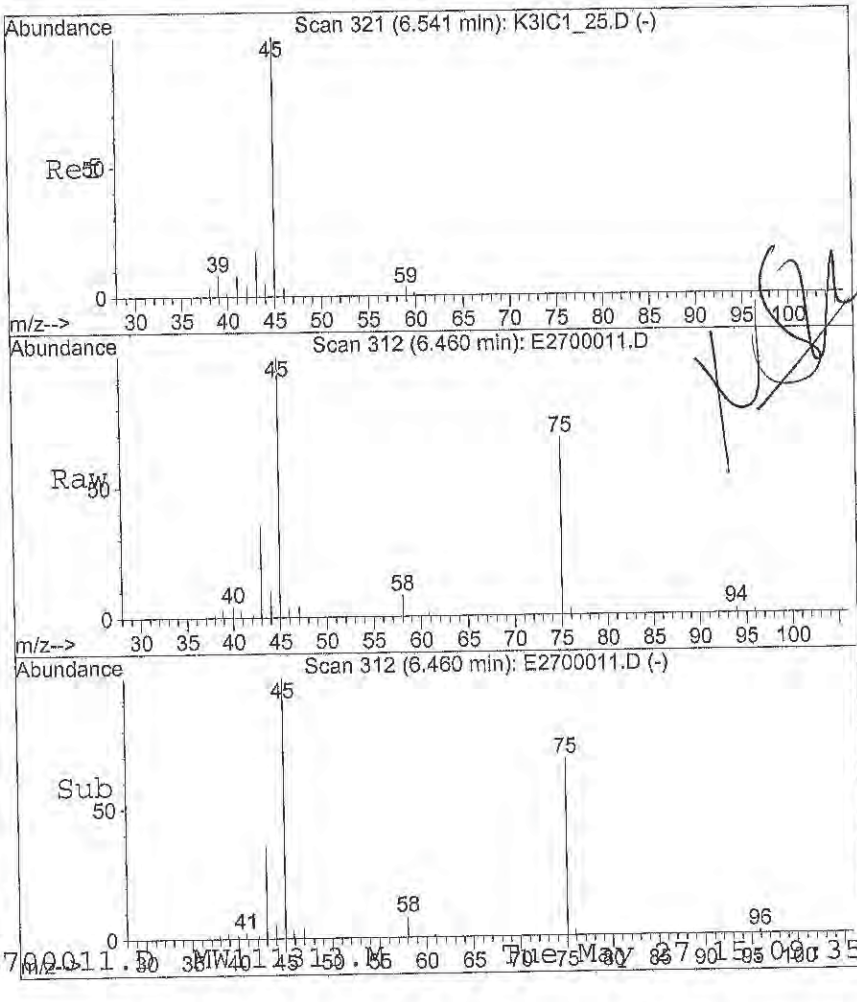


#11
Acetone
Concen: 14.16 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 58 Resp: 11841

Ion	Ratio	Lower	Upper
58	100		
43	443.6	360.9	541.3

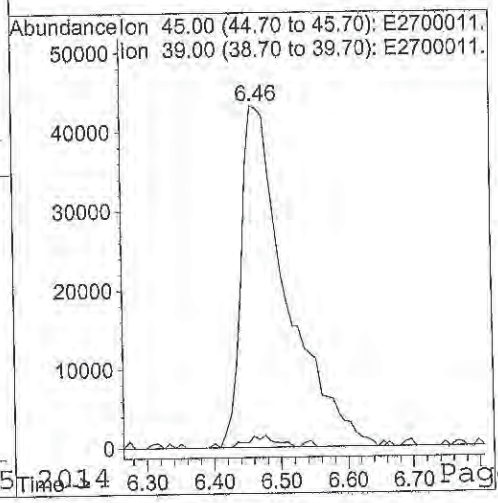


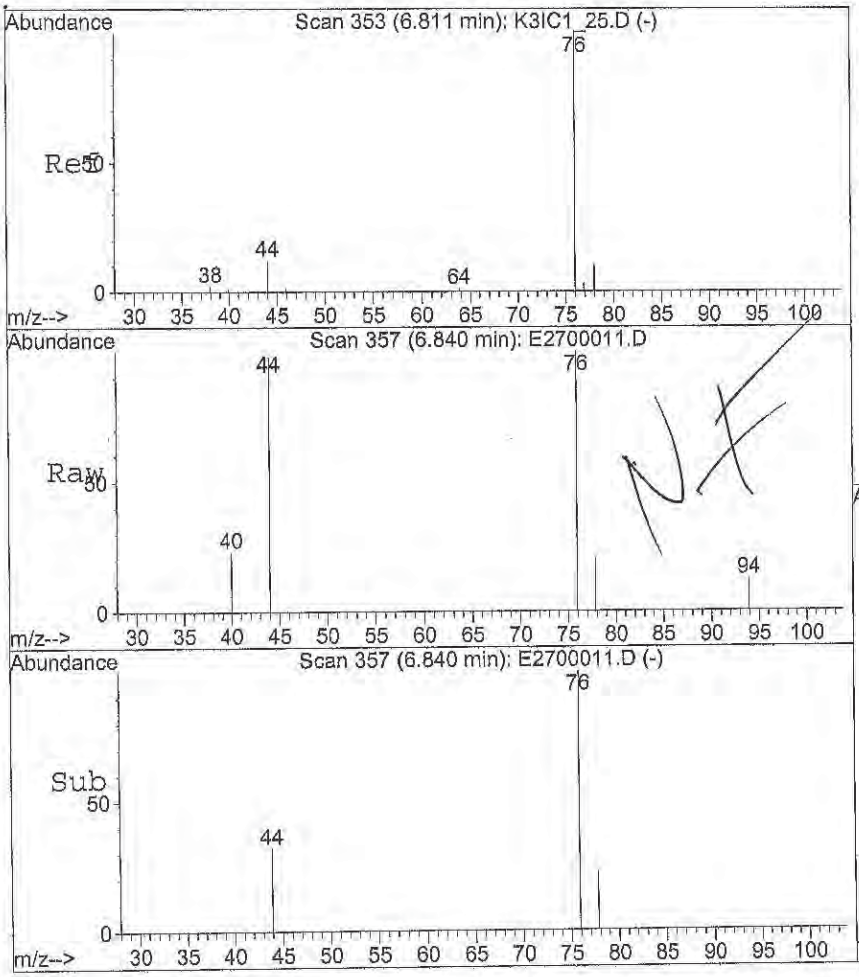


#12
(IPA) Leak Check Compound
Concen: 1011.11 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 45 Resp: 205852

Ion	Ratio	Lower	Upper
45	100		
39	2.1	4.9	7.3#

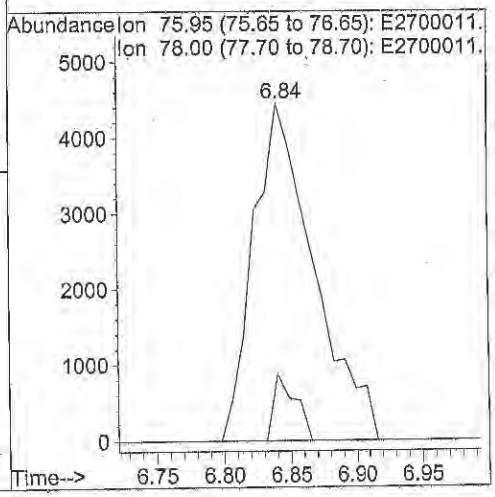


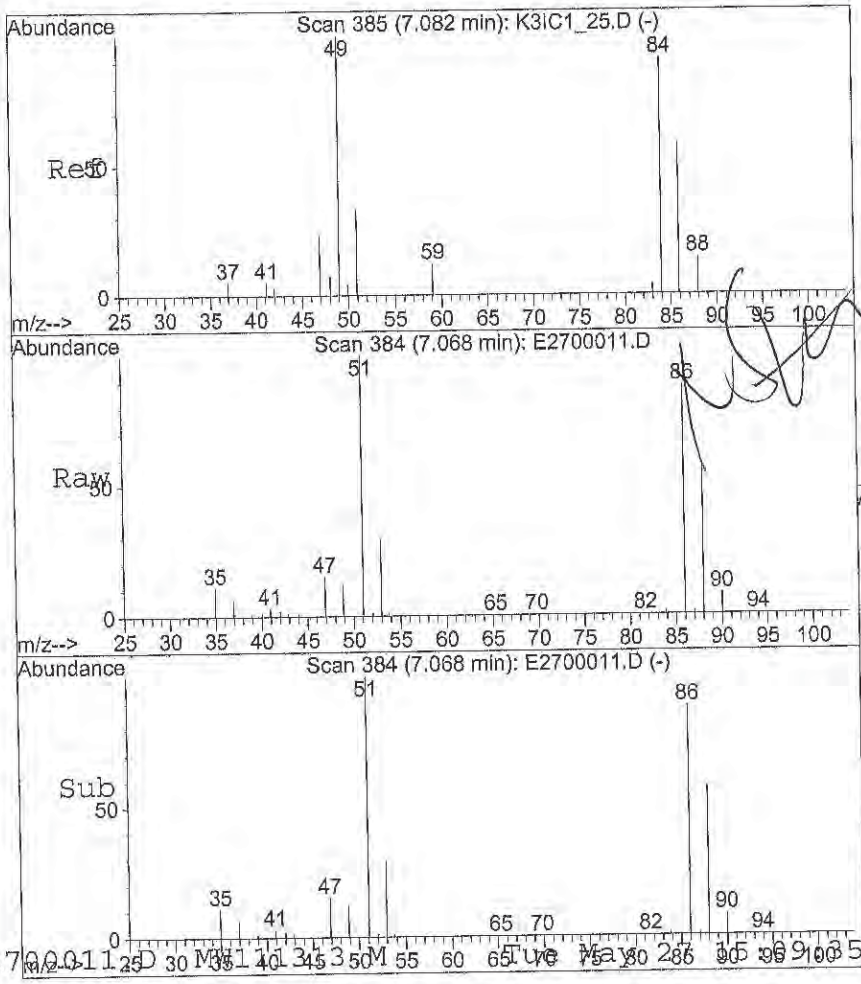


#13
Carbon disulfide
Concen: 0.99 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 76 Resp: 14009

Ion	Ratio	Lower	Upper
76	100		
78	7.1	7.0	10.4

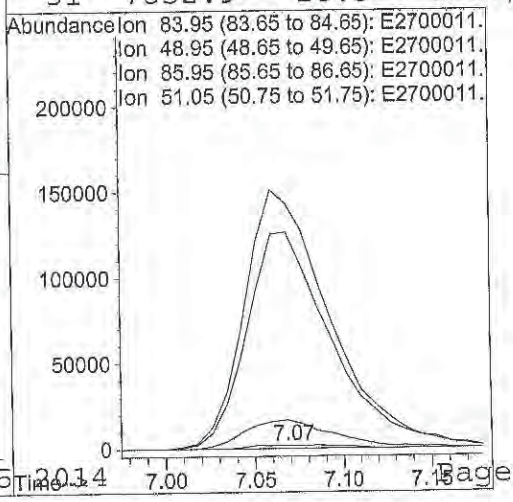


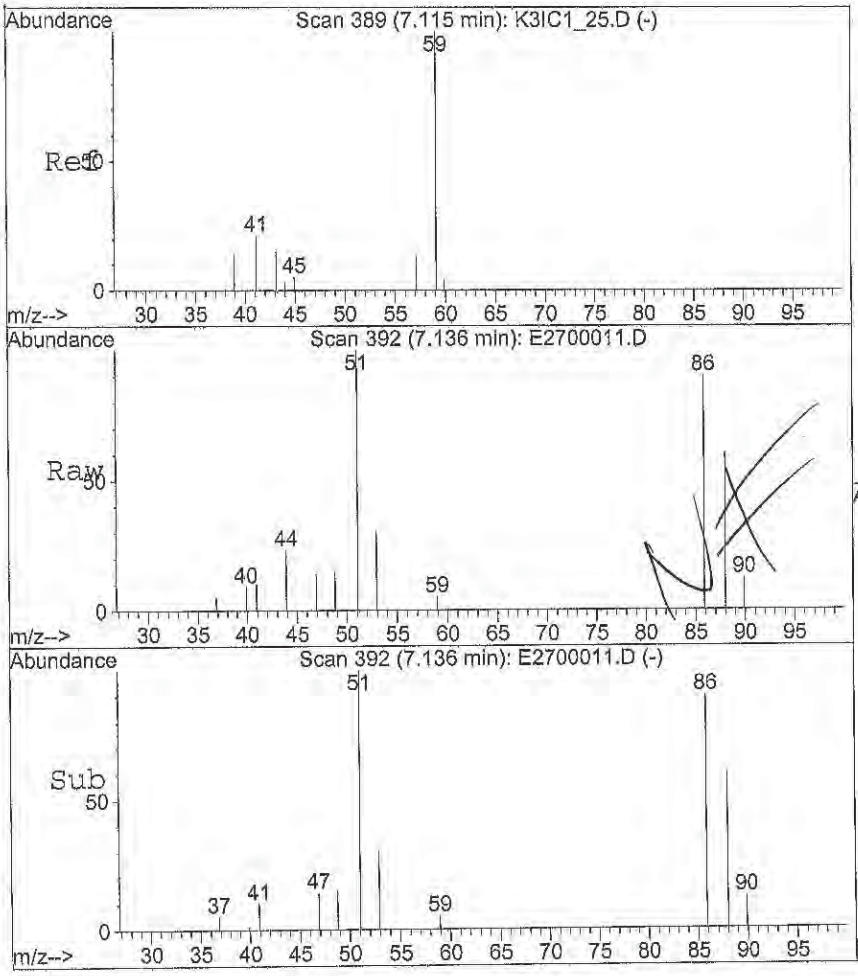


#14
Methylene Chloride
Concen: 1.40 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 84 Resp: 6505

Ion	Ratio	Lower	Upper
84	100		
49	887.1	89.8	134.6#
86	6516.1	51.1	76.7#
51	7852.9	28.5	42.7#

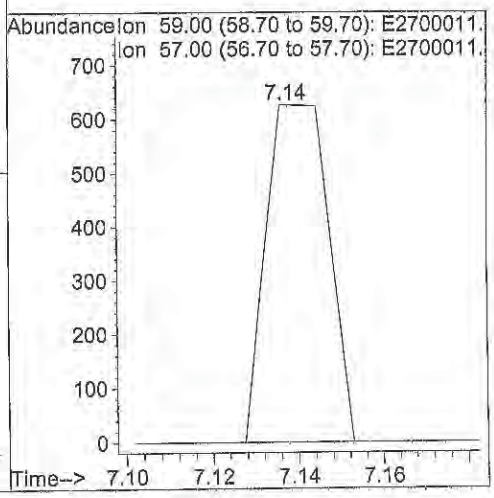


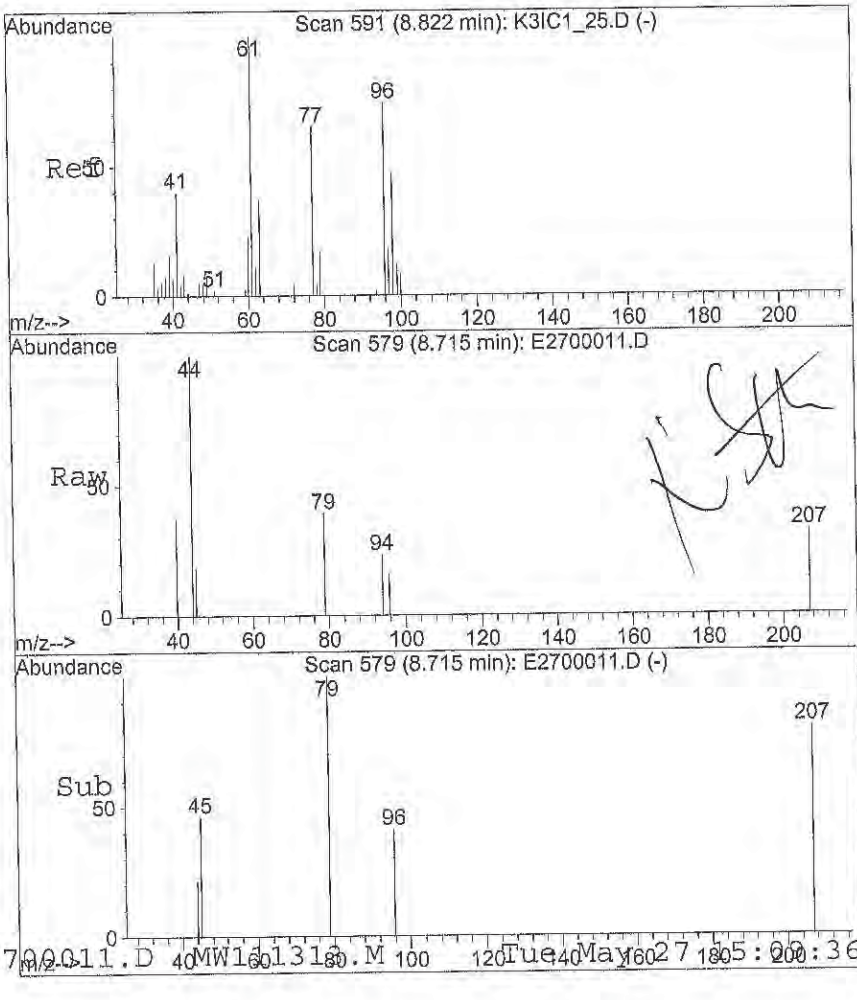


#15
(TBA) tert-Butanol
Concen: 2.19 ug/L
RT: 7.14 min Scan# 392
Delta R.T. 0.02 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 59 Resp: 634

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

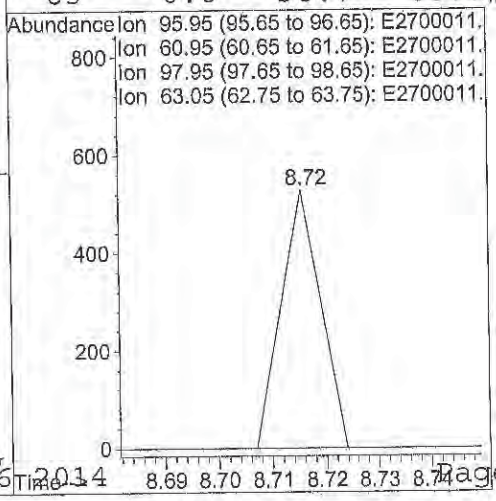


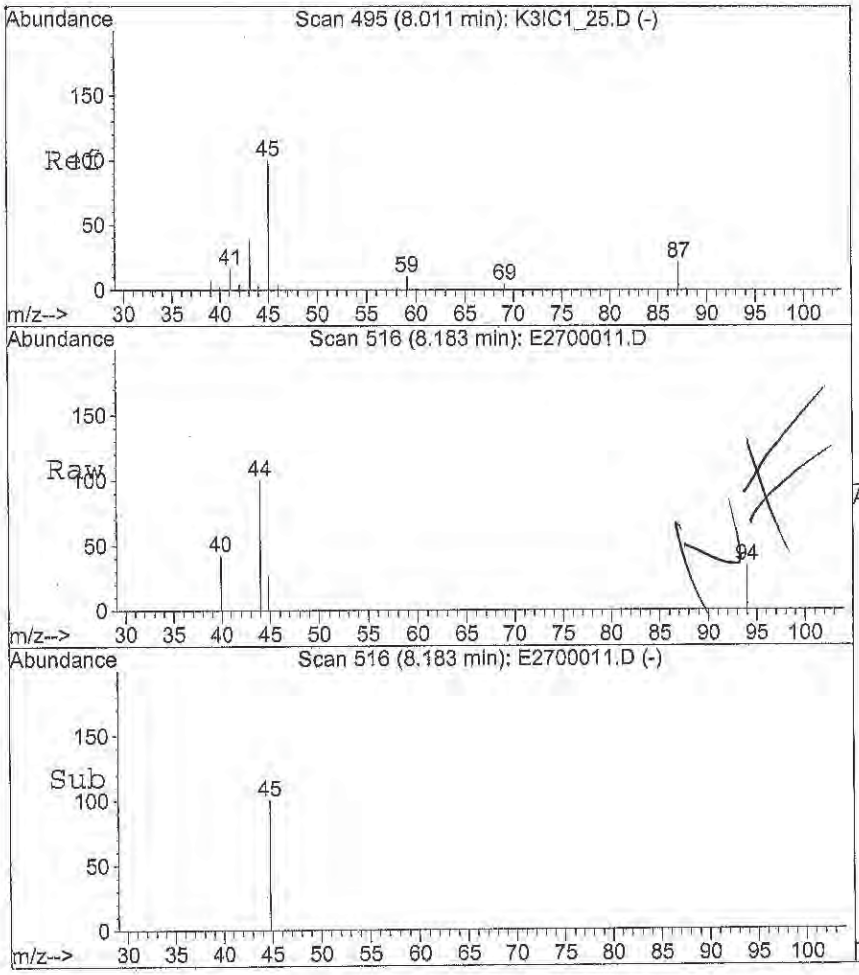


#19
cis-1,2-Dichloroethene
Concen: 0.05 ug/L
RT: 8.72 min Scan# 579
Delta R.T. -0.11 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 96 Resp: 268

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

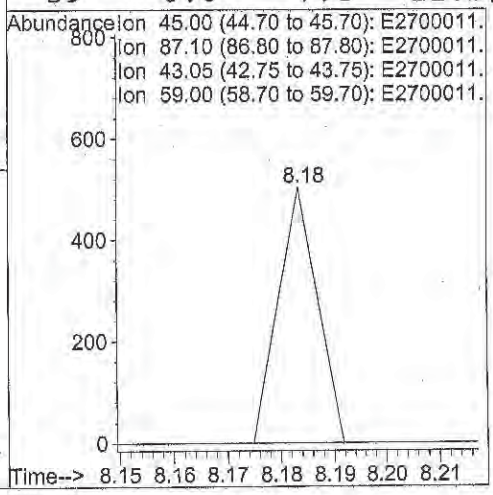


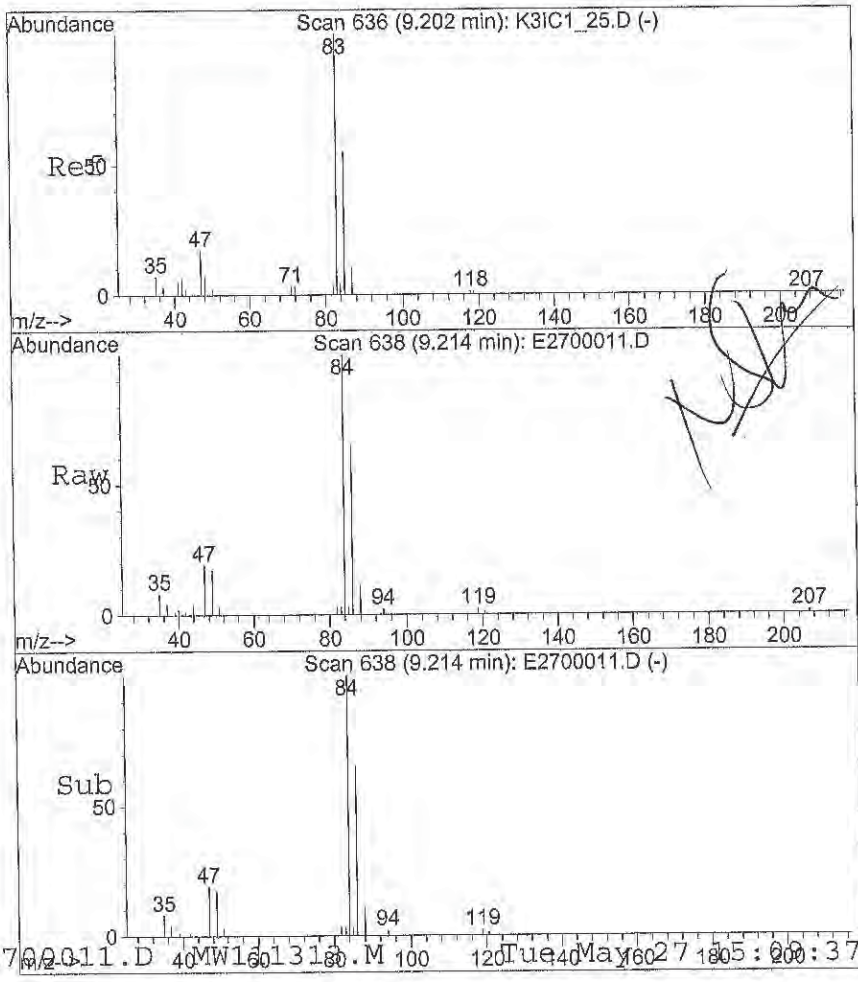


#22
(DIPE) Diisopropyl Ether
Concen: 0.02 ug/L
RT: 8.18 min Scan# 516
Delta R.T. 0.17 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 45 Resp: 255

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

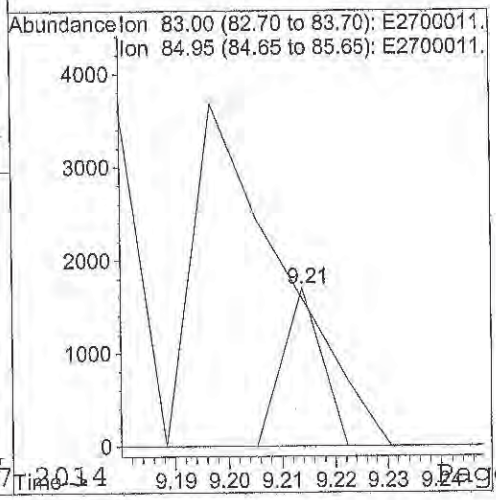


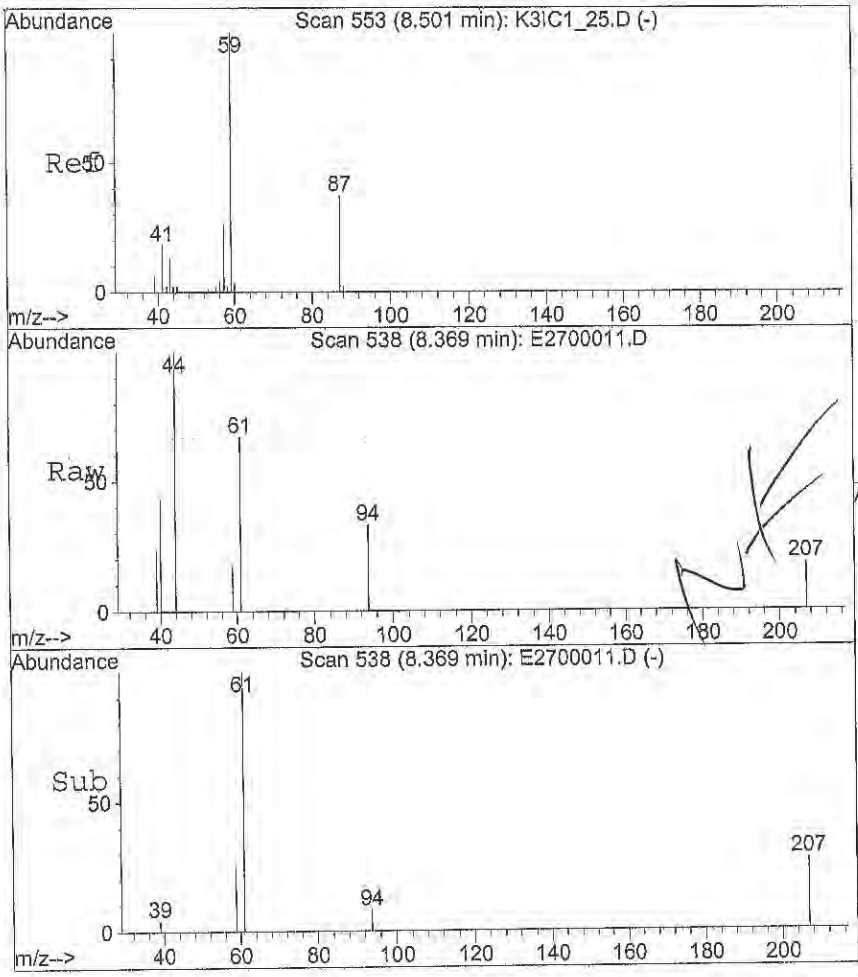


#24
Chloroform
Concen: 0.10 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 83 Resp: 858

Ion	Ratio	Lower	Upper
83	100		
85	496.6	51.8	77.6#

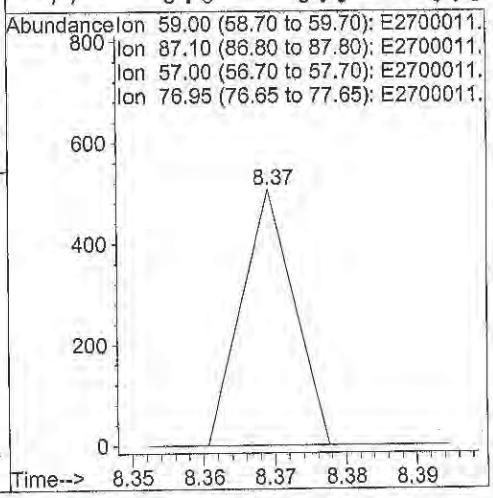


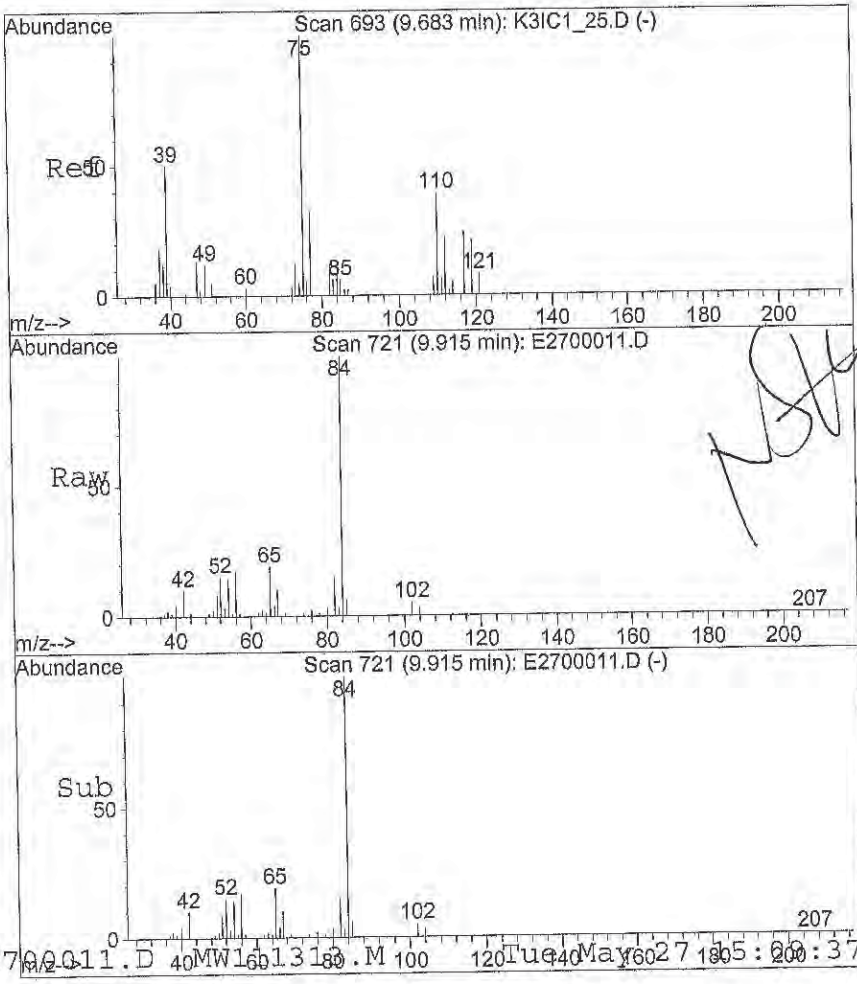


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.02 ug/L
RT: 8.37 min Scan# 538
Delta R.T. -0.13 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 59 Resp: 257

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

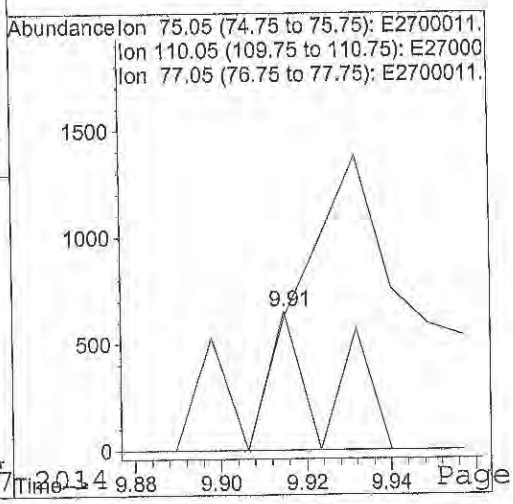


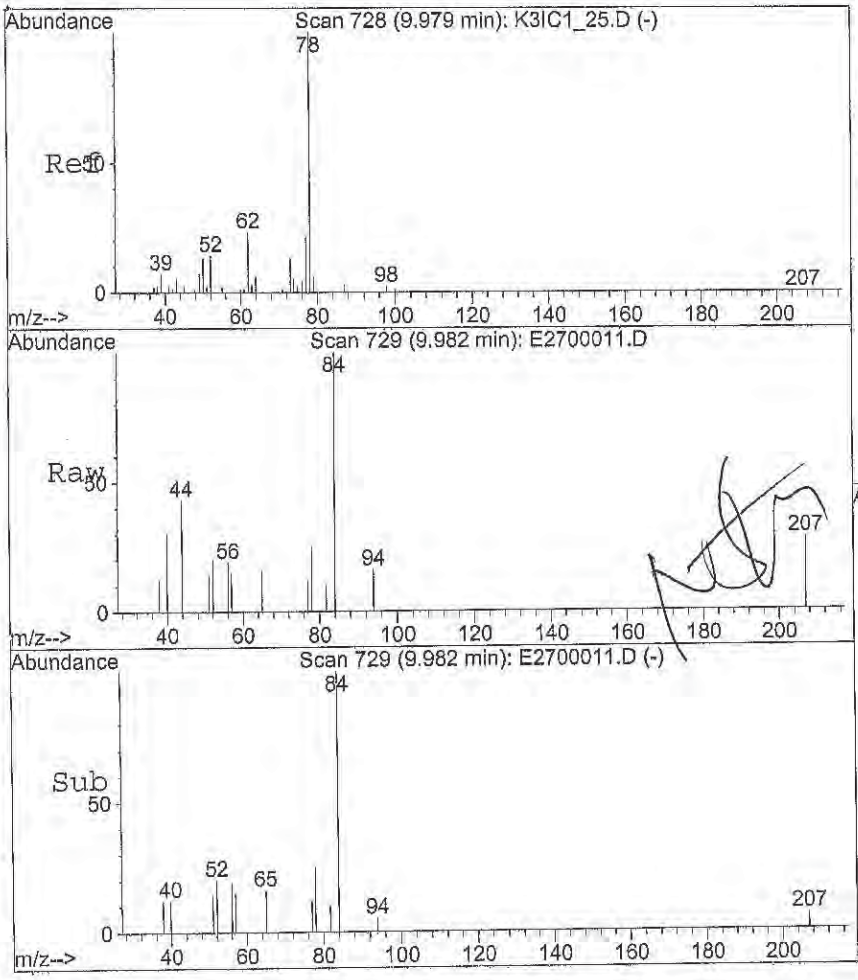


#29
1,1-Dichloropropene
Concen: 0.09 ug/L
RT: 9.91 min Scan# 721
Delta R.T. 0.23 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 75 Resp: 620

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	398.7	25.0	37.4#

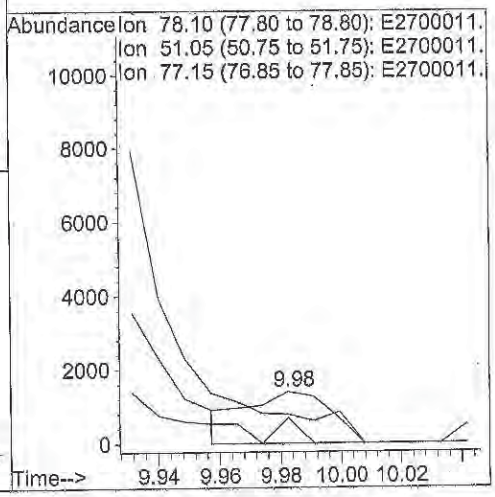


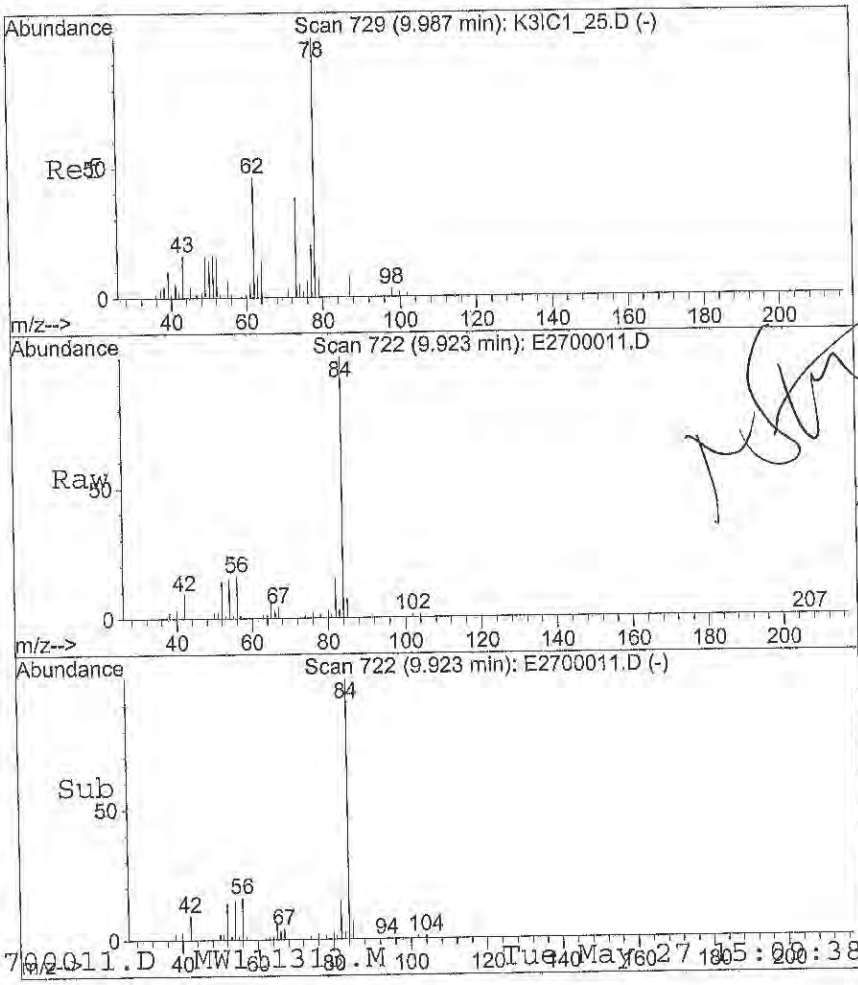


#31
Benzene
Concen: 0.17 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 78 Resp: 2686

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	13.0	16.6	24.8#

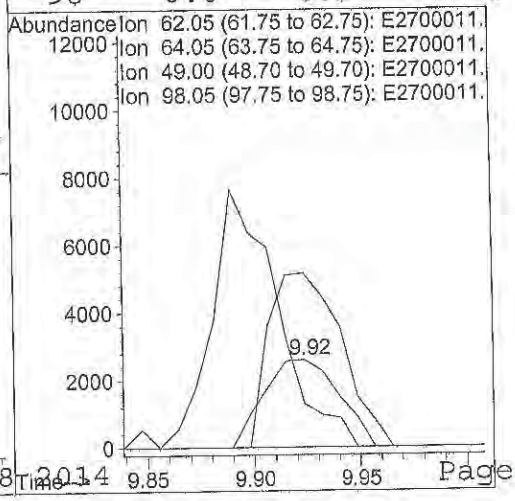


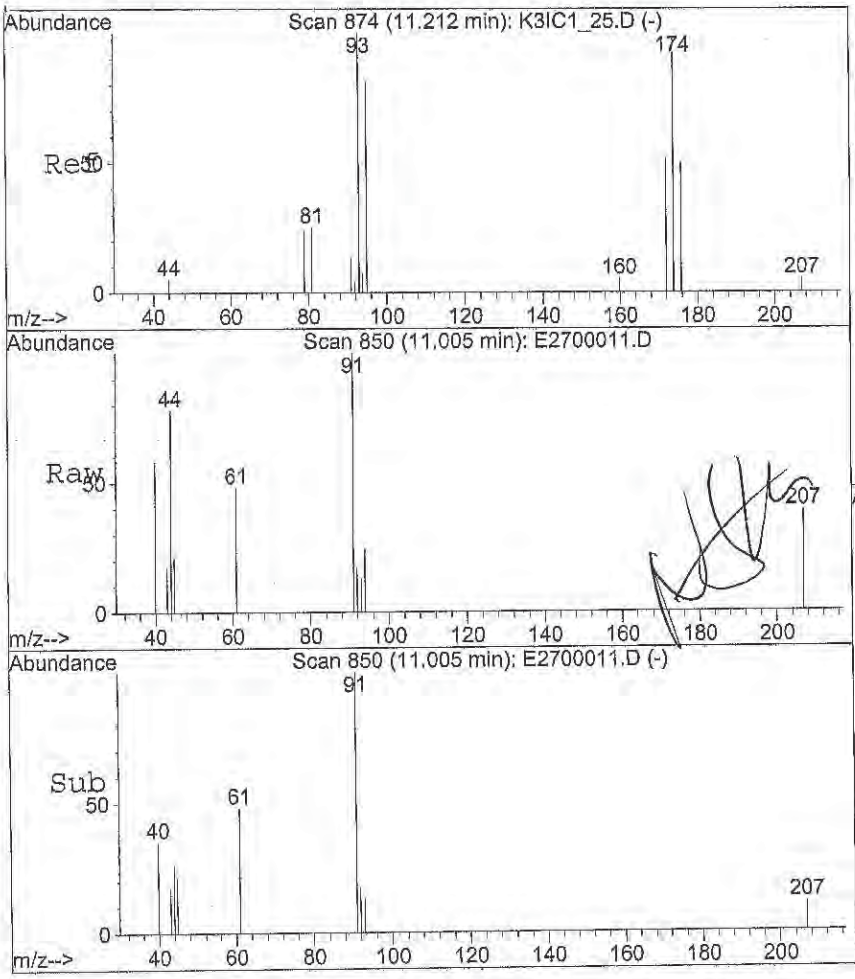


#32
1,2-Dichloroethane
Concen: 1.13 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 62 Resp: 6374

Ion	Ratio	Lower	Upper
62	100		
64	192.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

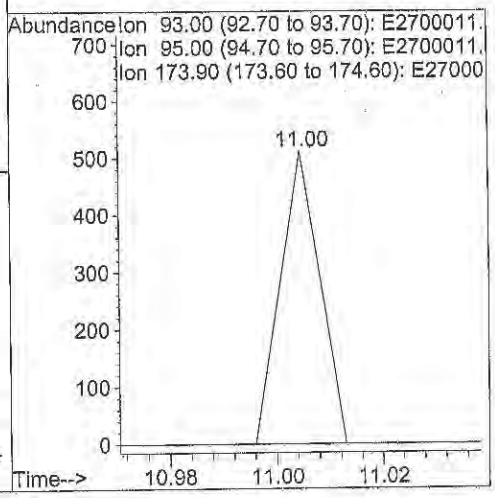


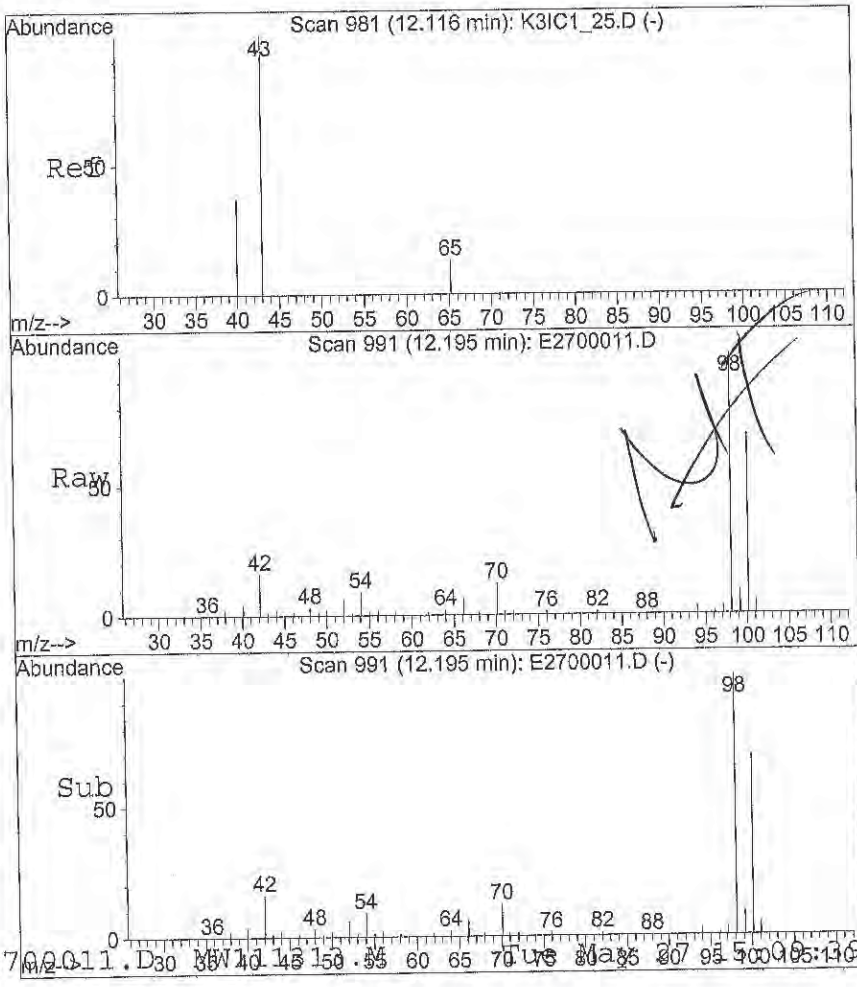


#35
Dibromomethane
Concen: 0.09 ug/L
RT: 11.00 min Scan# 850
Delta R.T. -0.21 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 93 Resp: 259

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	75.5	113.3#

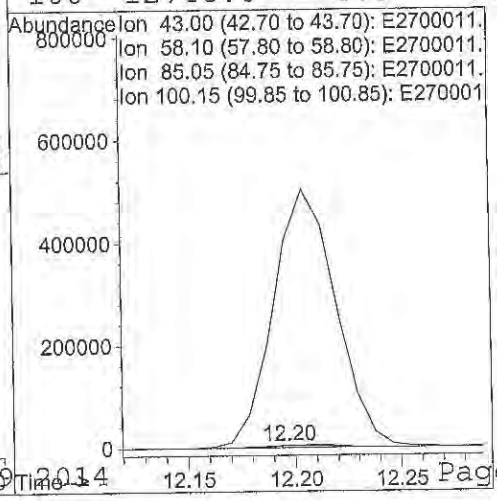


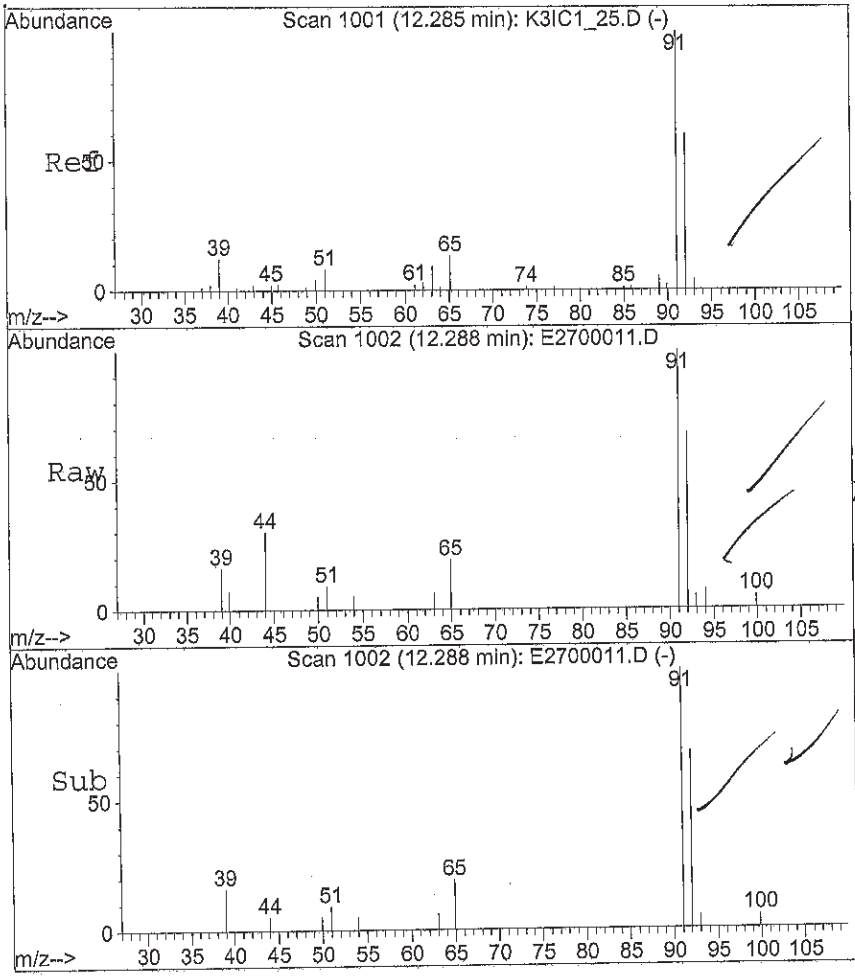


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.10 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 43 Resp: 8060

Ion	Ratio	Lower	Upper
43	100		
58	135.7	0.0	0.0#
85	0.0	0.0	0.0
100	12746.0	0.0	0.0#

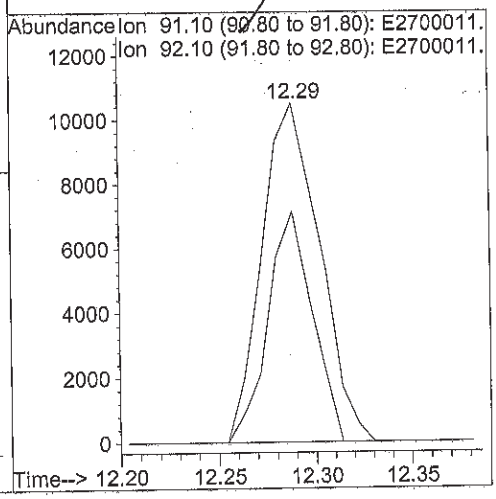


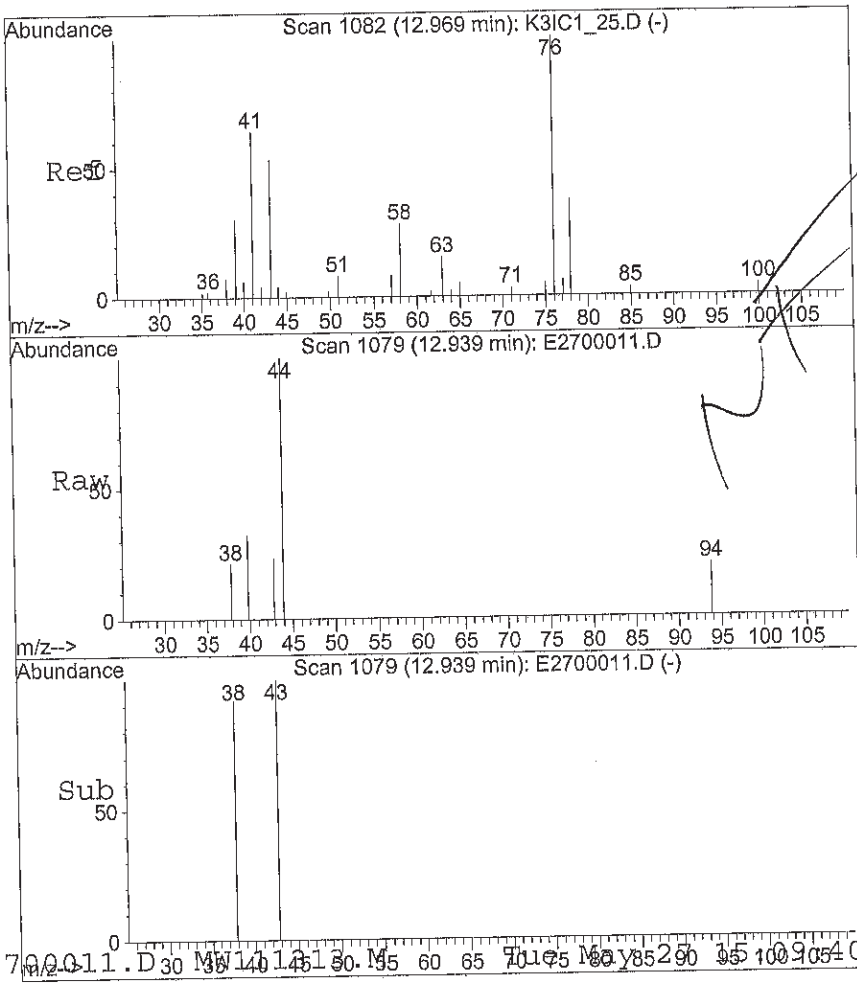


#41
Toluene
Concen: 1.22 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 91 Resp: 21574

Ion	Ratio	Lower	Upper
91	100		
92	52.5	47.4	71.0

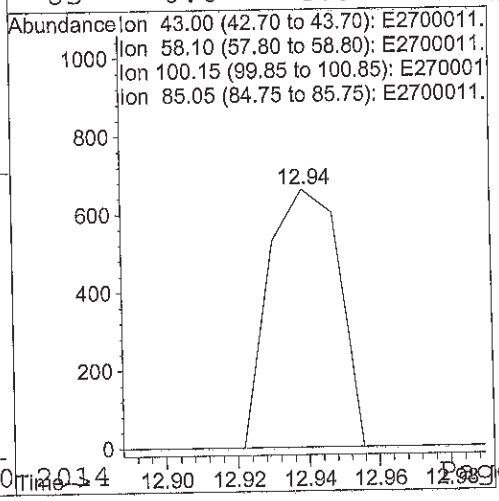


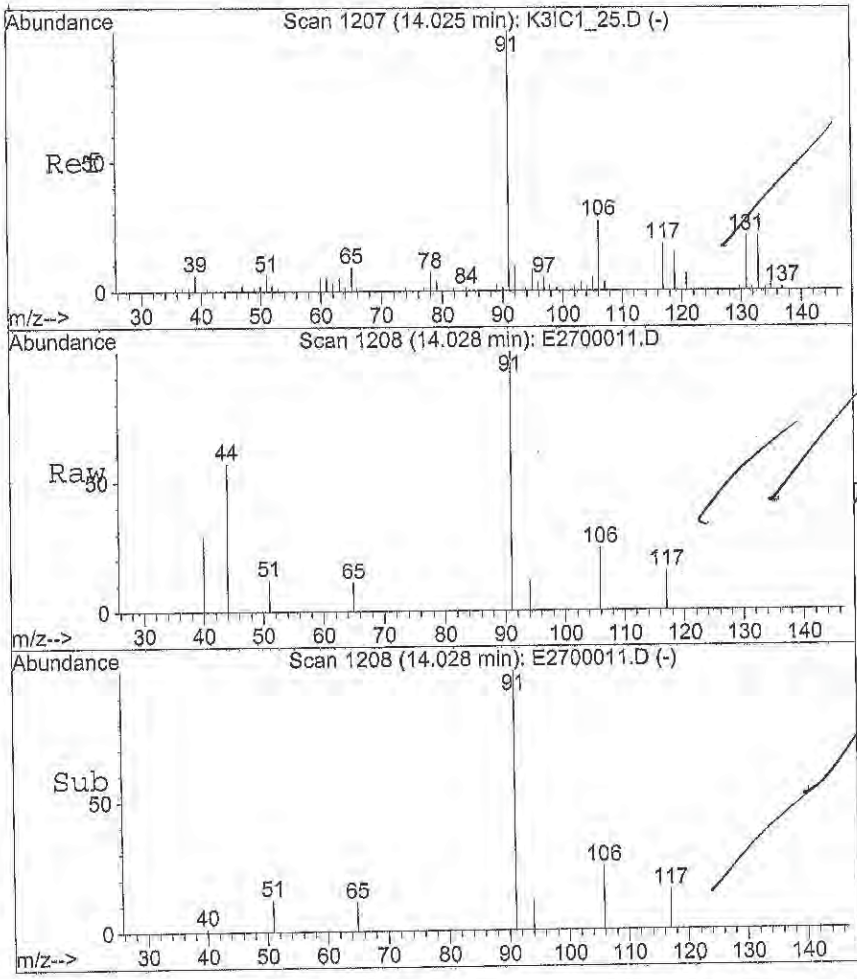


#46
2-Hexanone
Concen: 0.32 ug/L
RT: 12.94 min Scan# 1079
Delta R.T. -0.03 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 43 Resp: 908

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

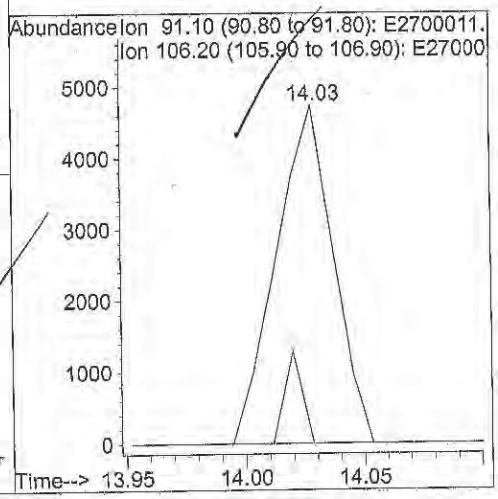


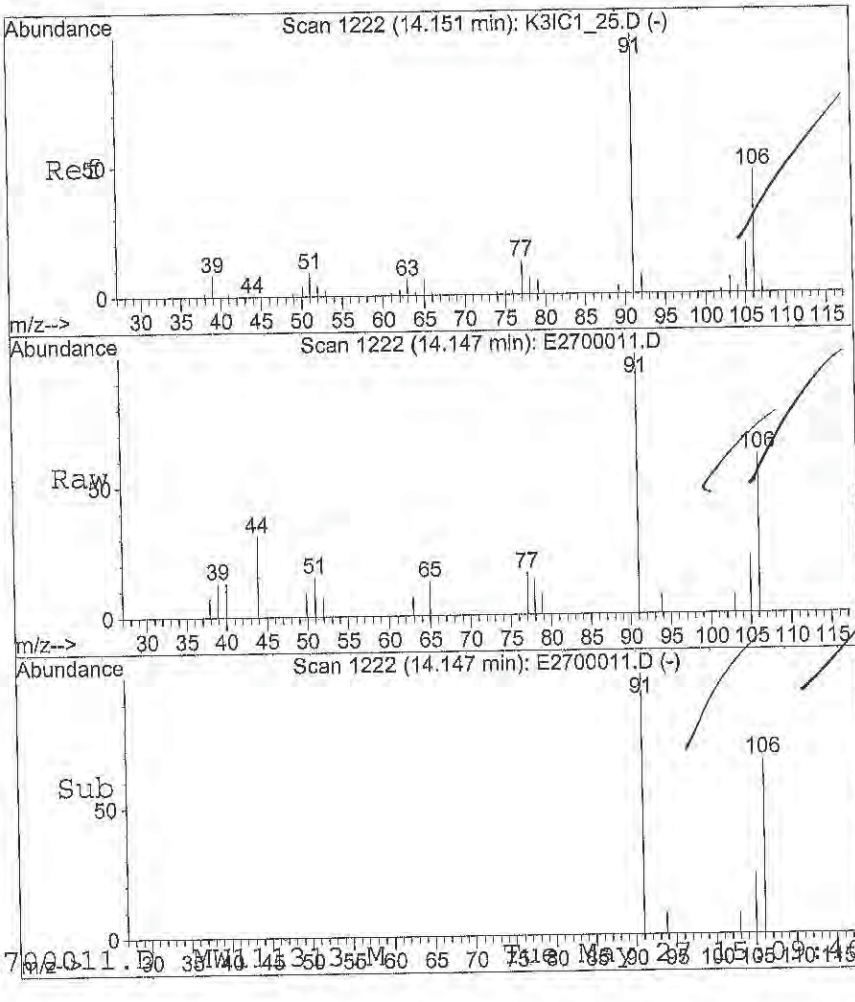


#51
Ethylbenzene
Concen: 0.39 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 91 Resp: 7835

Ion	Ratio	Lower	Upper
91	100		
106	8.3	23.5	35.3#

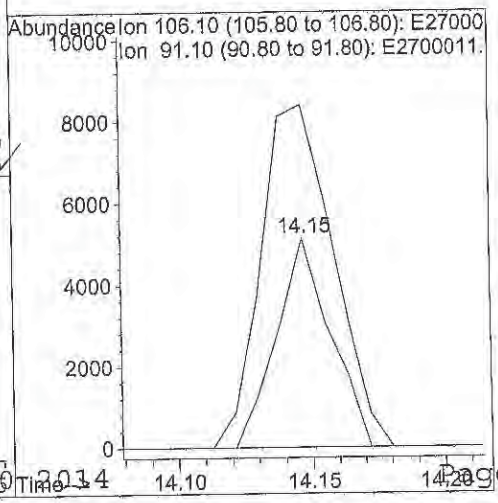


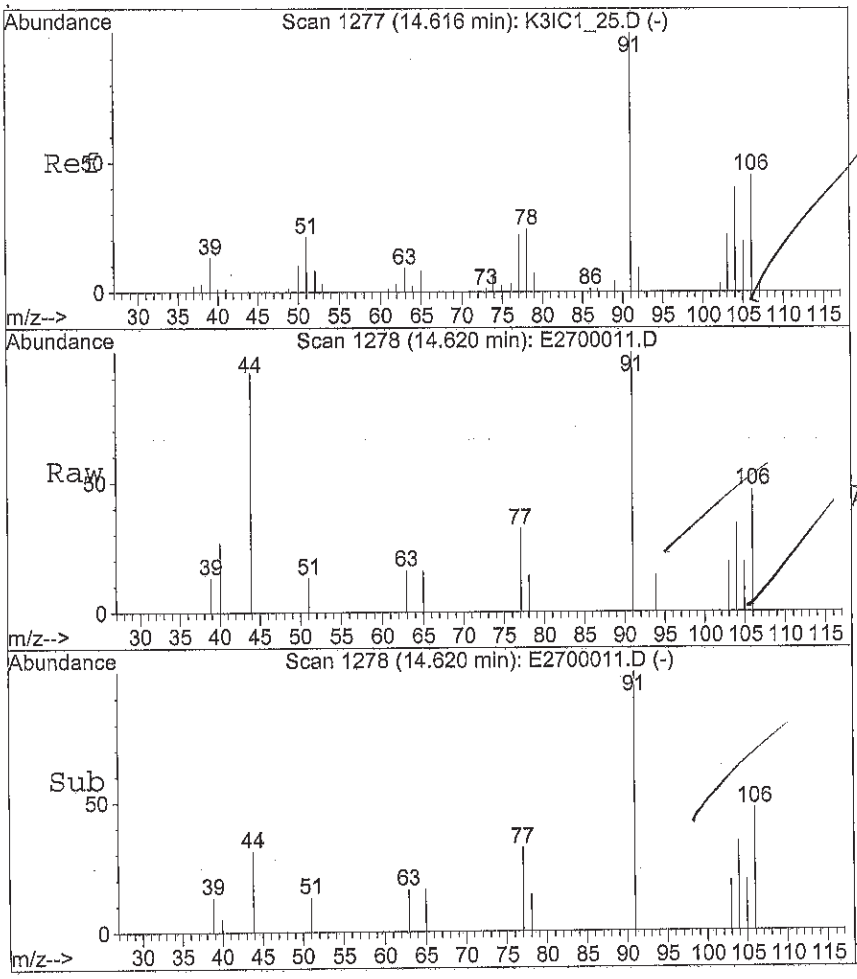


#52
m,p-Xylenes
Concen: 1.01 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:106 Resp: 7224

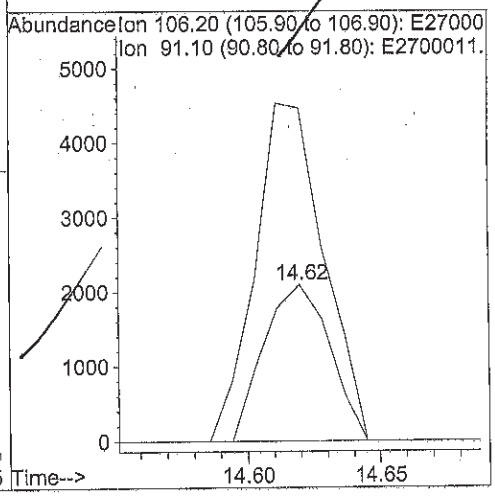
Ion	Ratio	Lower	Upper
106	100		
91	218.6	177.1	265.7

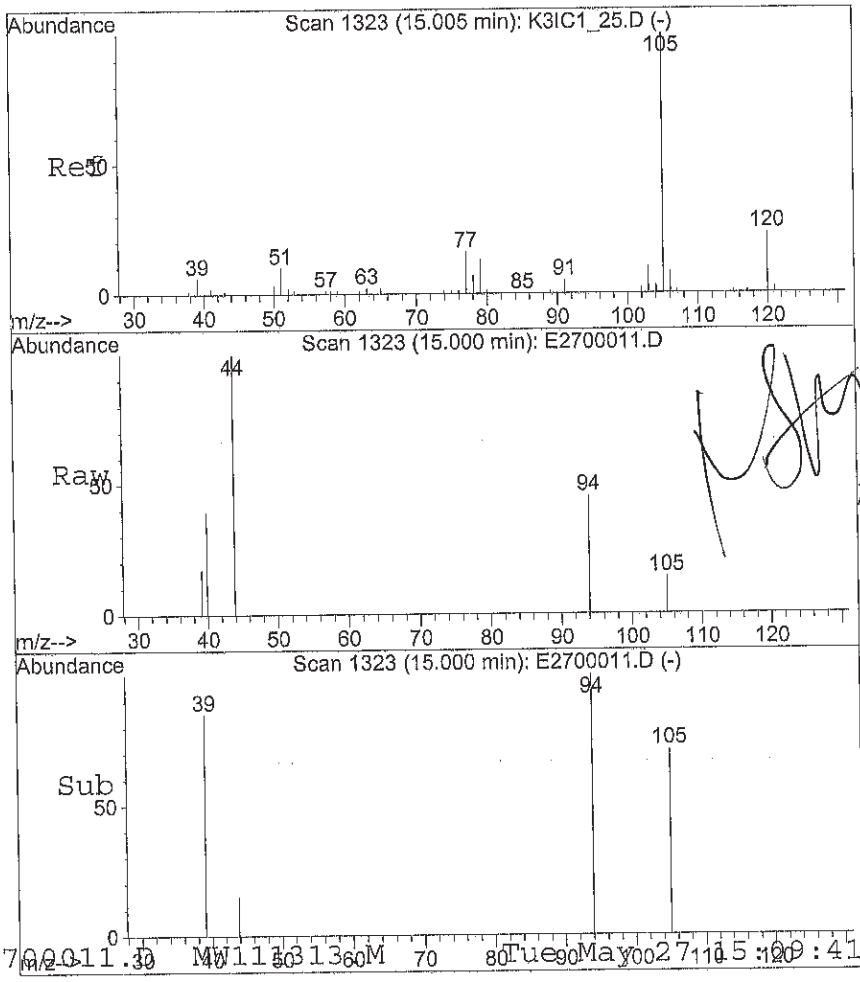




#53
o-Xylene
Concen: 0.51 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

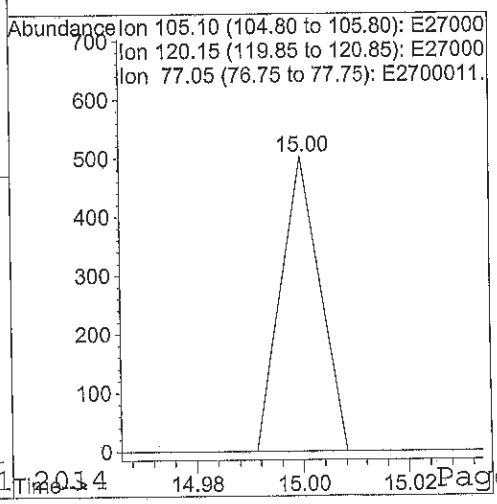
Tgt Ion:106	Resp:	3589	
Ion	Ratio	Lower	Upper
106	100		
91	225.8	179.0	268.6

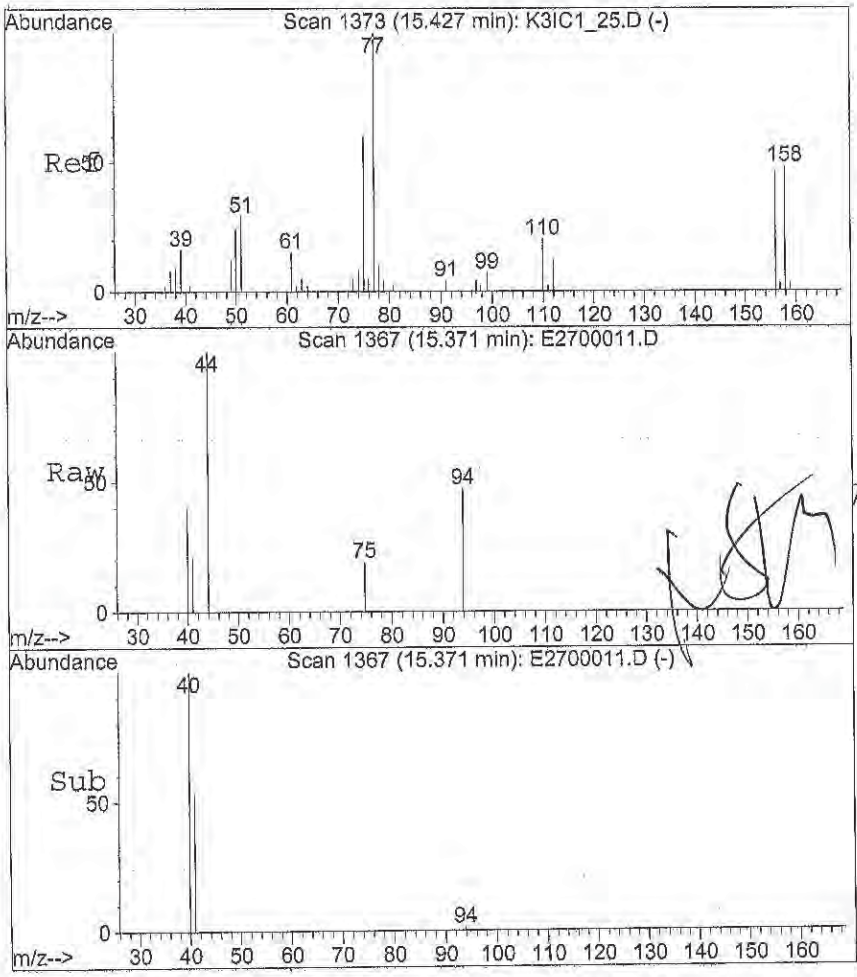




#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:105	Resp:	254	
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

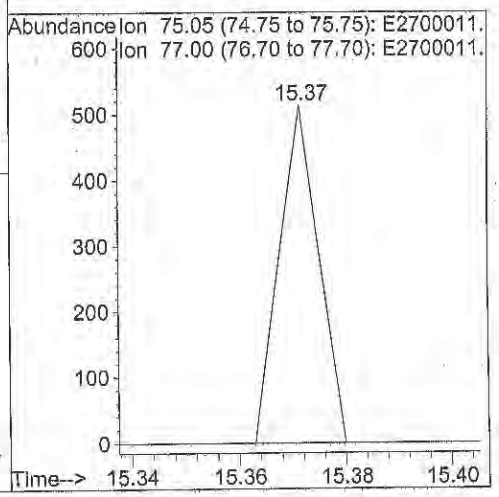


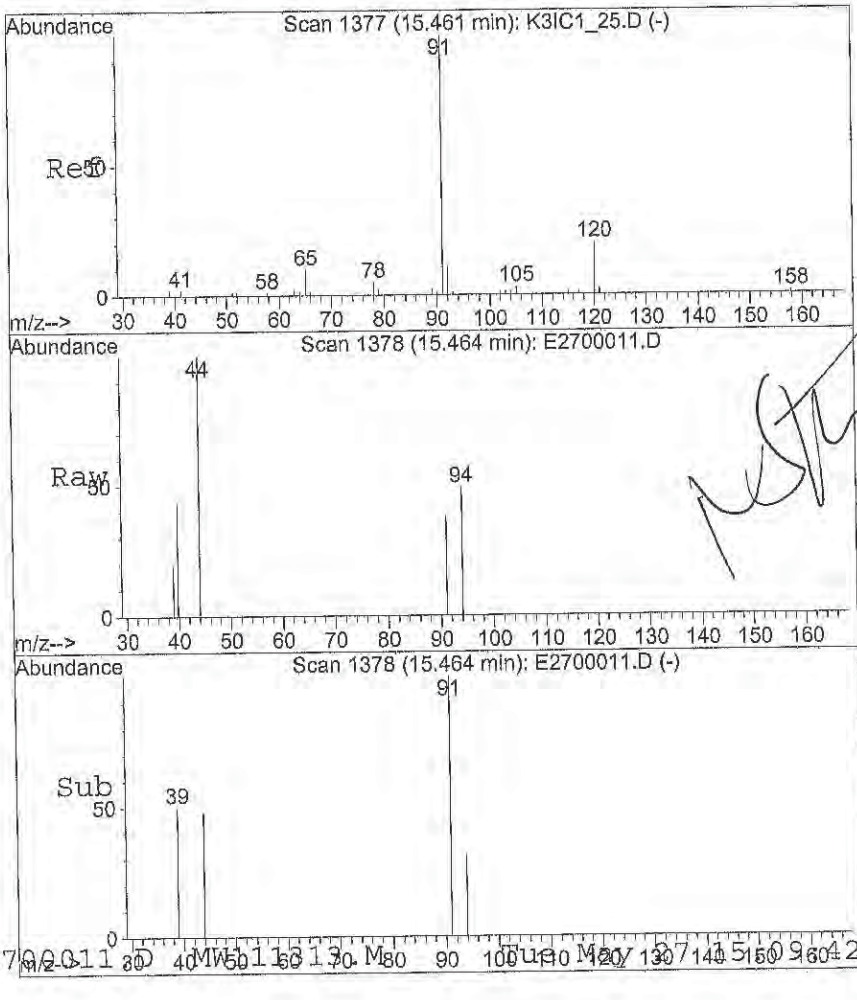


#57
1,2,3-Trichloropropane
Concen: 0.05 ug/L
RT: 15.37 min Scan# 1367
Delta R.T. -0.06 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 75 Resp: 260

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

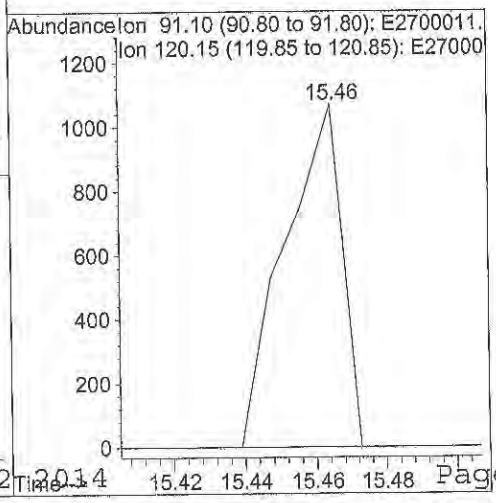


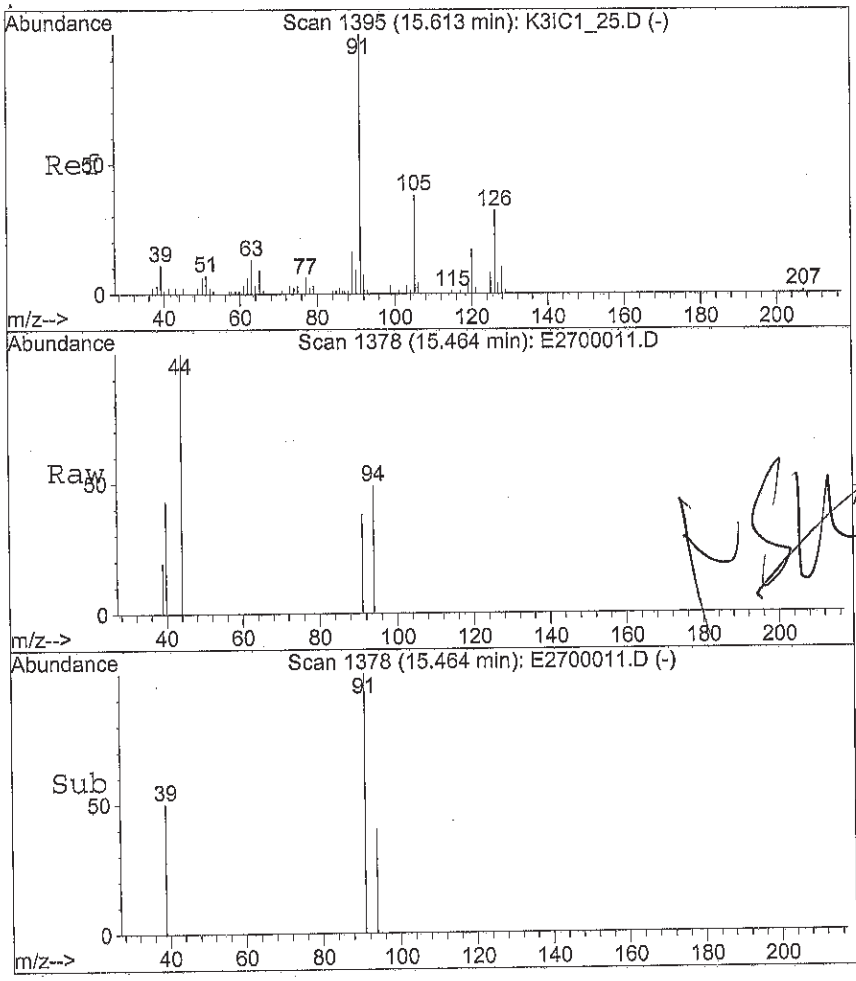


#62
n-Propylbenzene
Concen: 0.04 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 91 Resp: 1192

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

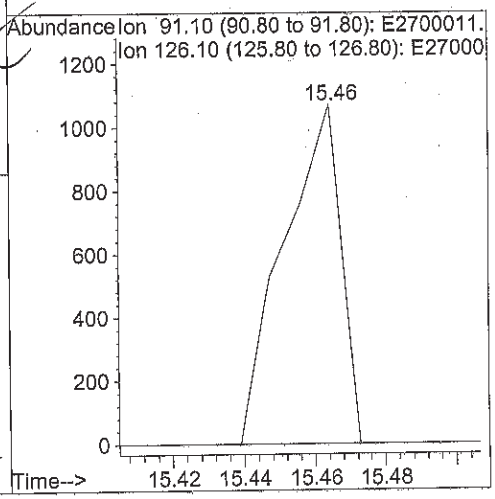


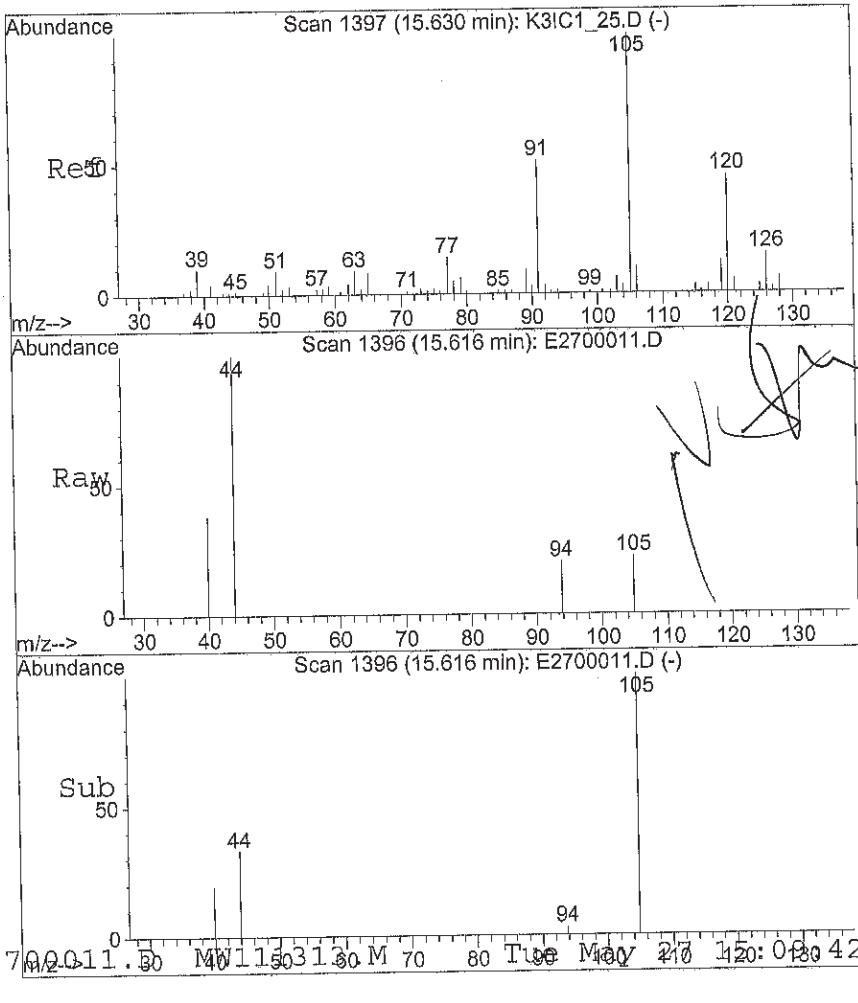


#63
2-Chlorotoluene
Concen: 0.07 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. -0.15 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion: 91 Resp: 1192

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

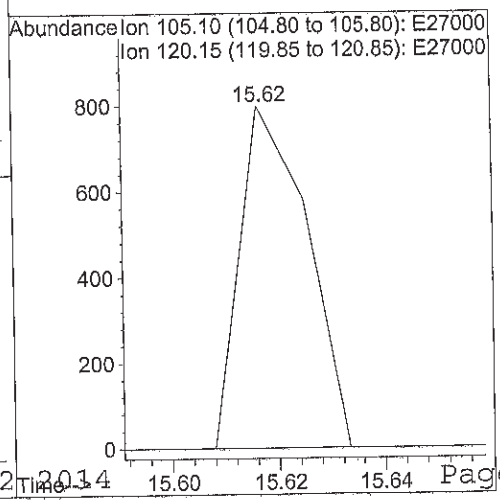


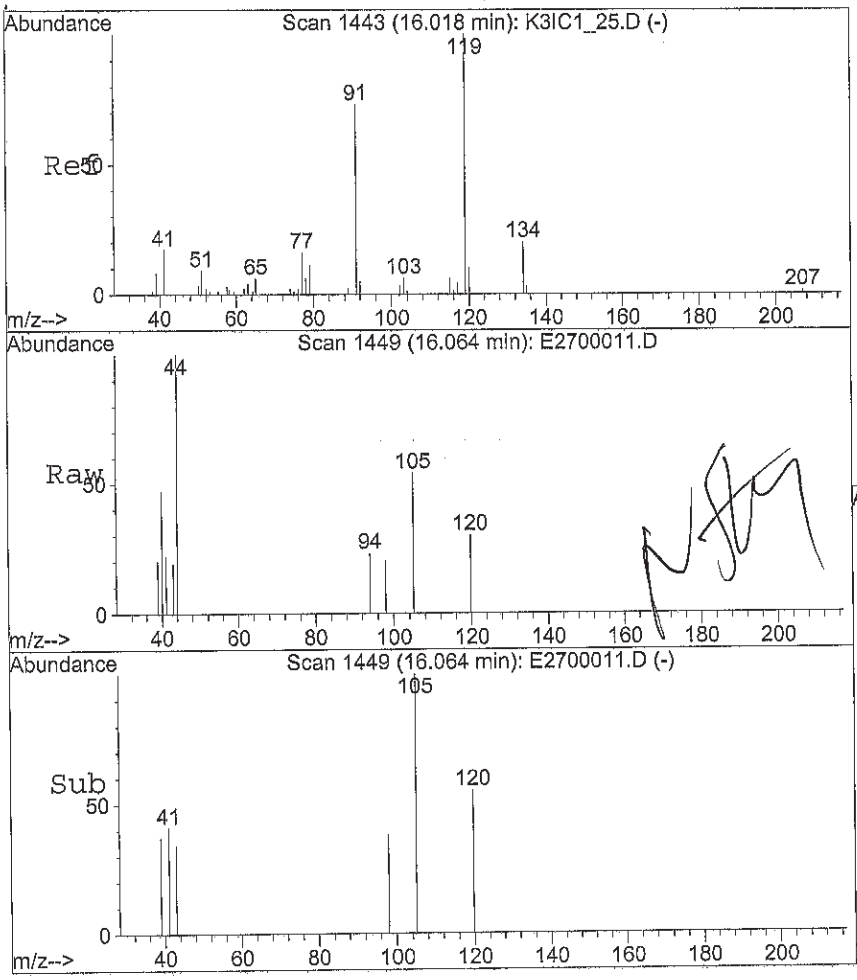


#64
1,3,5-Trimethylbenzene
Concen: 0.04 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:105 Resp: 699

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

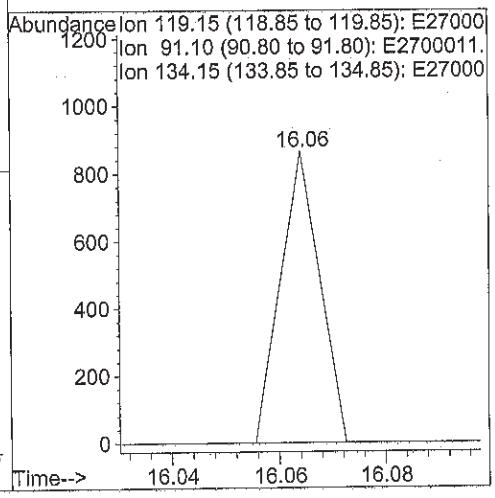


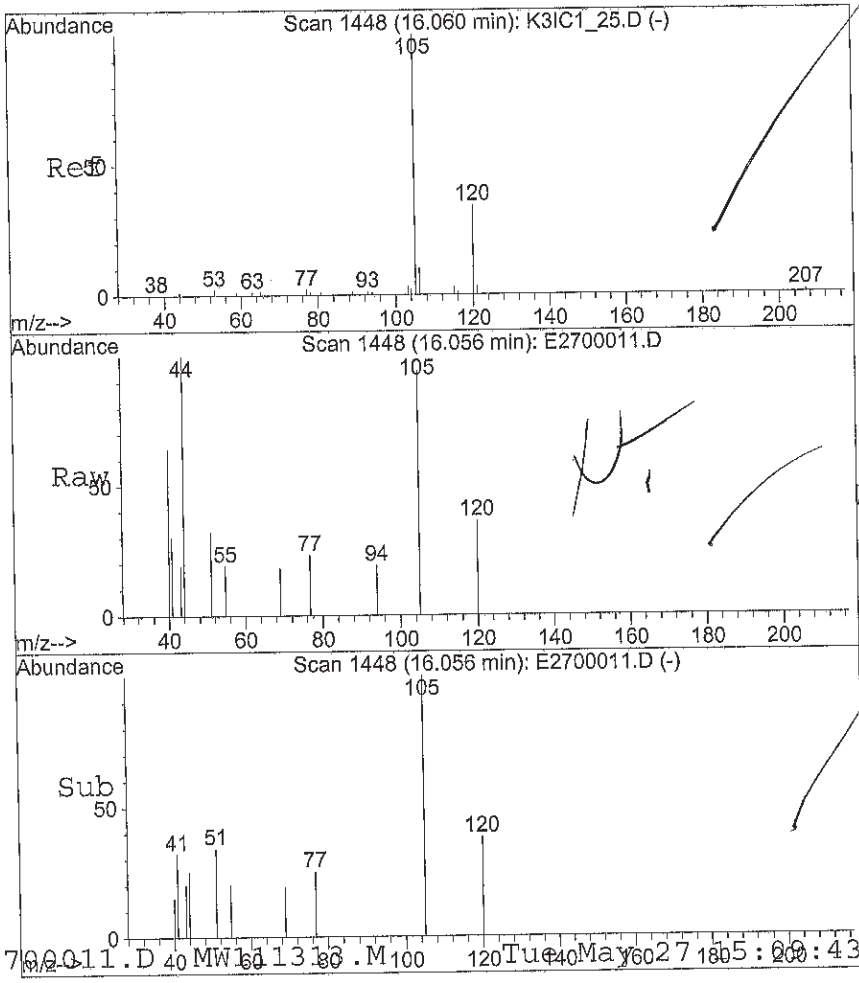


#66
tert-Butylbenzene
Concen: 0.03 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.05 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:119 Resp: 438

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

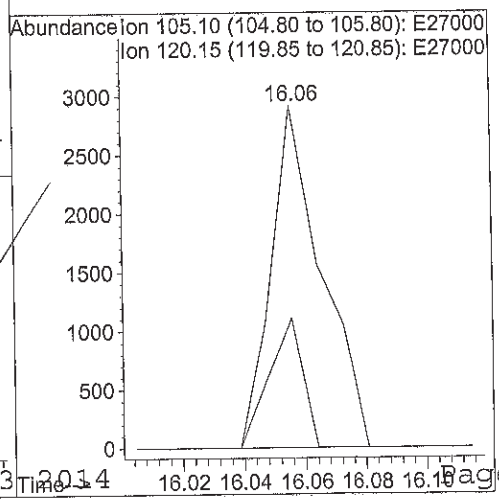


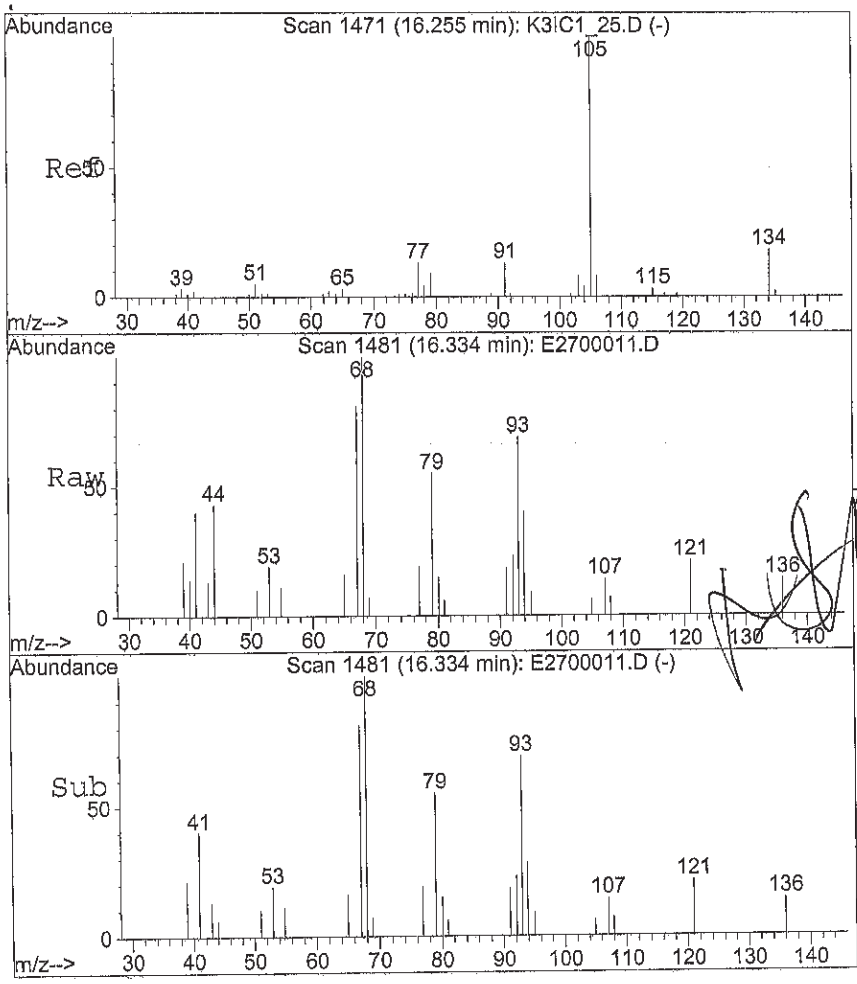


#67
1,2,4-Trimethylbenzene
Concen: 0.19 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:105 Resp: 3346

Ion	Ratio	Lower	Upper
105	100		
120	25.3	33.8	50.8#

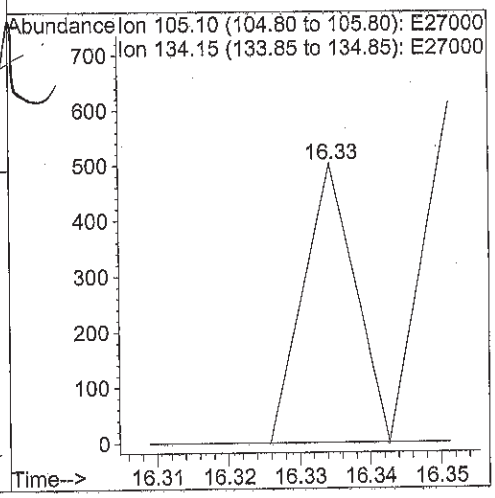


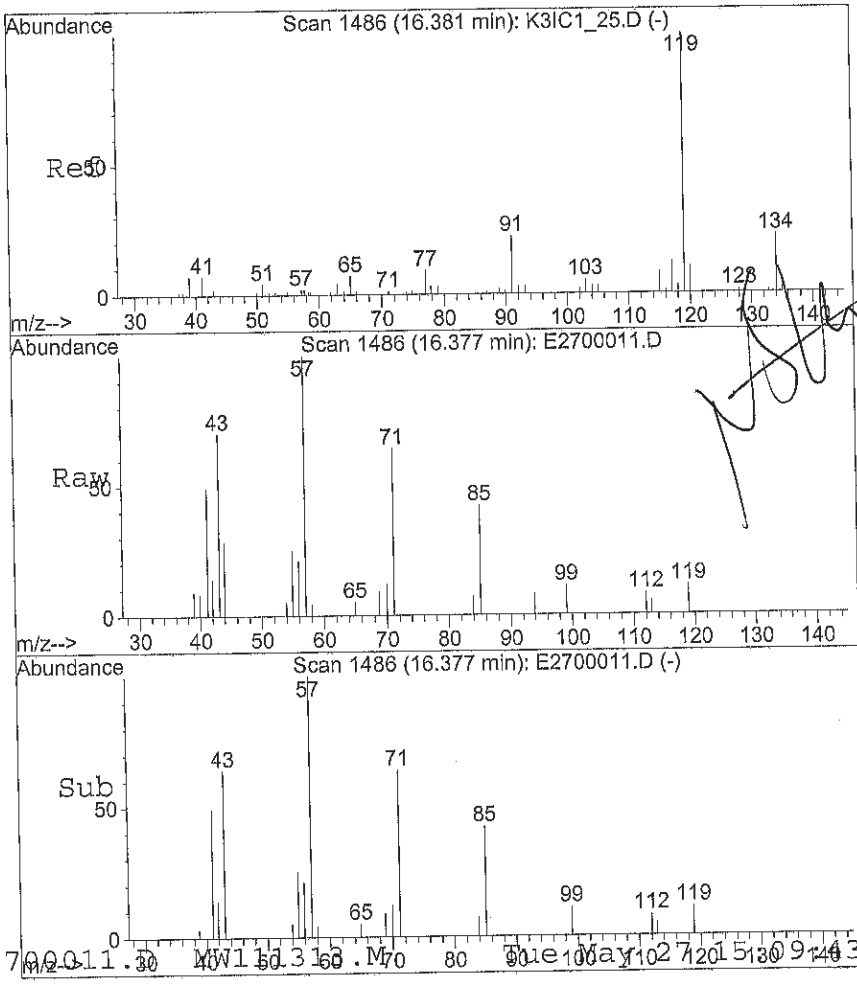


#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:105 Resp: 254

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

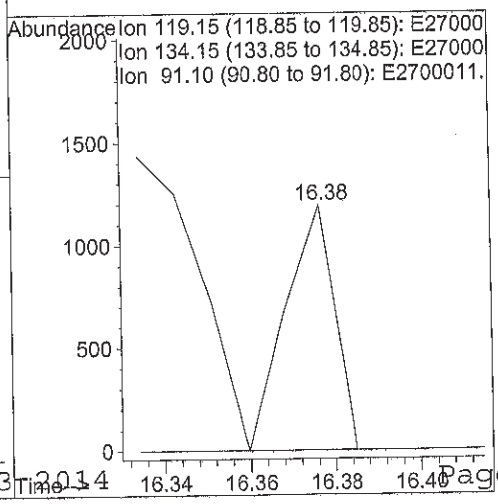




#69
p-Isopropyltoluene
Concen: 0.05 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2700011.D
Acq: 27 May 2014 2:34 pm

Tgt Ion:119 Resp: 950

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700011.D Vial: 2
Acq On : 27 May 2014 2:34 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-15.5-16.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:11 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1694263	12.50	ug/L	-0.03
7) Chlorobenzene-d5 (IS)	13.92	117	1299834	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	693994	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.42	113	481941	10.94	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.52%			
3) Chloroform-d (SU6)	9.18	84	737747	11.67	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 93.36%			
4) Methylene Chloride-d2 (SU5	7.07	86	423594	11.46	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.68%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	462116	15.35	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 122.80%			
6) Benzene-d6 (SU7)	9.92	84	1415226	10.64	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 85.12%			
8) Toluene-d8 (SU3)	12.20	98	1510269	12.25	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.00%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	709259	13.93	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 111.44%			

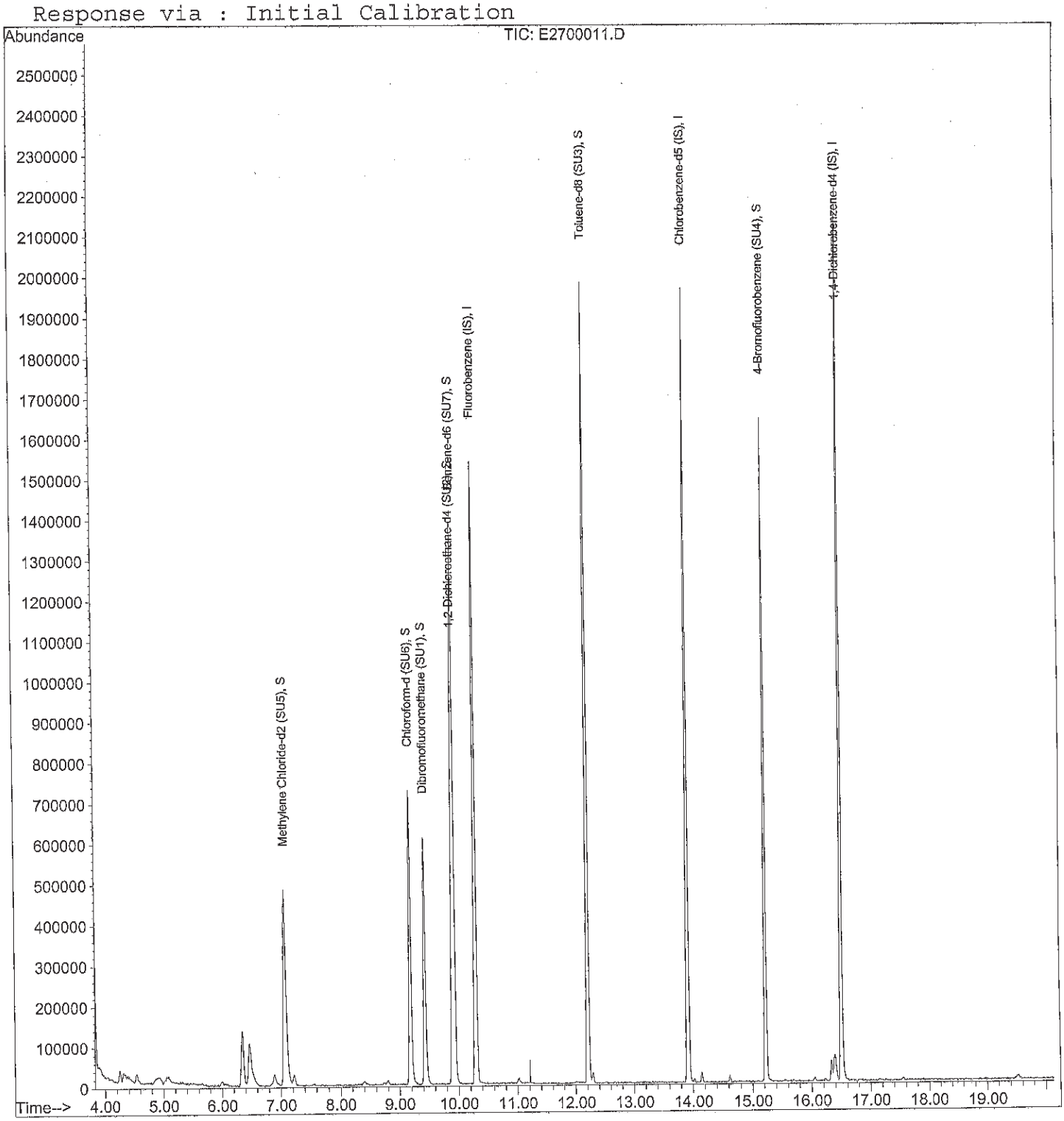
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700011.D Vial: 2
Acq On : 27 May 2014 2:34 pm Operator: DN
Sample : 3E42701-08 Inst : GC/MS Ins
Misc : 100cc SVL-513-SA5D-SV-15.5-16.5 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:11 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700012.D
Acq On : 27 May 2014 3:05 pm
Sample : 3E42701-09
Misc : 100cc SVL-512-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 27 15:29 19114

Vial: 3
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1679743	12.50 ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1298736	12.50 ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	682899	12.50 ug/L	0.00
System Monitoring Compounds					
2) Dibromofluoromethane (SU1)	9.43	113	467074	11.15 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.20%		
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	464879	11.67 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.36%		
39) Toluene-d8 (SU3)	12.21	98	1463111	12.08 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.64%		
58) 4-Bromofluorobenzene (SU4)	15.22	95	714057	13.44 ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 107.52%		
Target Compounds					Qvalue
4) Chloromethane	4.41	50	4823	0.49 ug/L #	55
6) Bromomethane	5.12	96	262	-1.64 ug/L #	1
7) Chloroethane	5.05	64	2826	2.71 ug/L	95
9) (F113) 1,1,2-Trichloro-tri	6.35	151	17555	5.32 ug/L	98
11) Acetone	6.48	58	10674	12.21 ug/L	92
12) (IPA) Leak Check Compound	6.46	45	231550	1147.17 ug/L #	86
13) Carbon disulfide	6.84	76	4995	0.36 ug/L #	92
14) Methylene Chloride	7.06	84	5984	1.30 ug/L #	1
15) (TBA) tert-Butanol	7.14	59	328	1.14 ug/L #	77
19) cis-1,2-Dichloroethene	8.99	96	271	0.05 ug/L #	3
22) (DIPE) Diisopropyl Ether	8.15	45	260	0.02 ug/L #	48
24) Chloroform	9.20	83	1793	0.20 ug/L #	1
31) Benzene	9.92	78	11819	0.75 ug/L #	81
32) 1,2-Dichloroethane	9.92	62	5561	0.99 ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	262	0.10 ug/L #	100
41) Toluene	12.28	91	30636	1.73 ug/L	91
46) 2-Hexanone	12.95	43	262	0.09 ug/L #	37
51) Ethylbenzene	14.02	91	10200	0.51 ug/L #	80
52) m,p-Xylenes	14.14	106	14632	2.04 ug/L	97
53) o-Xylene	14.62	106	4834	0.68 ug/L	79
54) Styrene	14.62	104	1936	-0.68 ug/L #	40
56) Isopropylbenzene	15.00	105	287	0.01 ug/L #	55

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700012.D Vial: 3
Acq On : 27 May 2014 3:05 pm Operator: DN
Sample : 3E42701-09 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:29 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

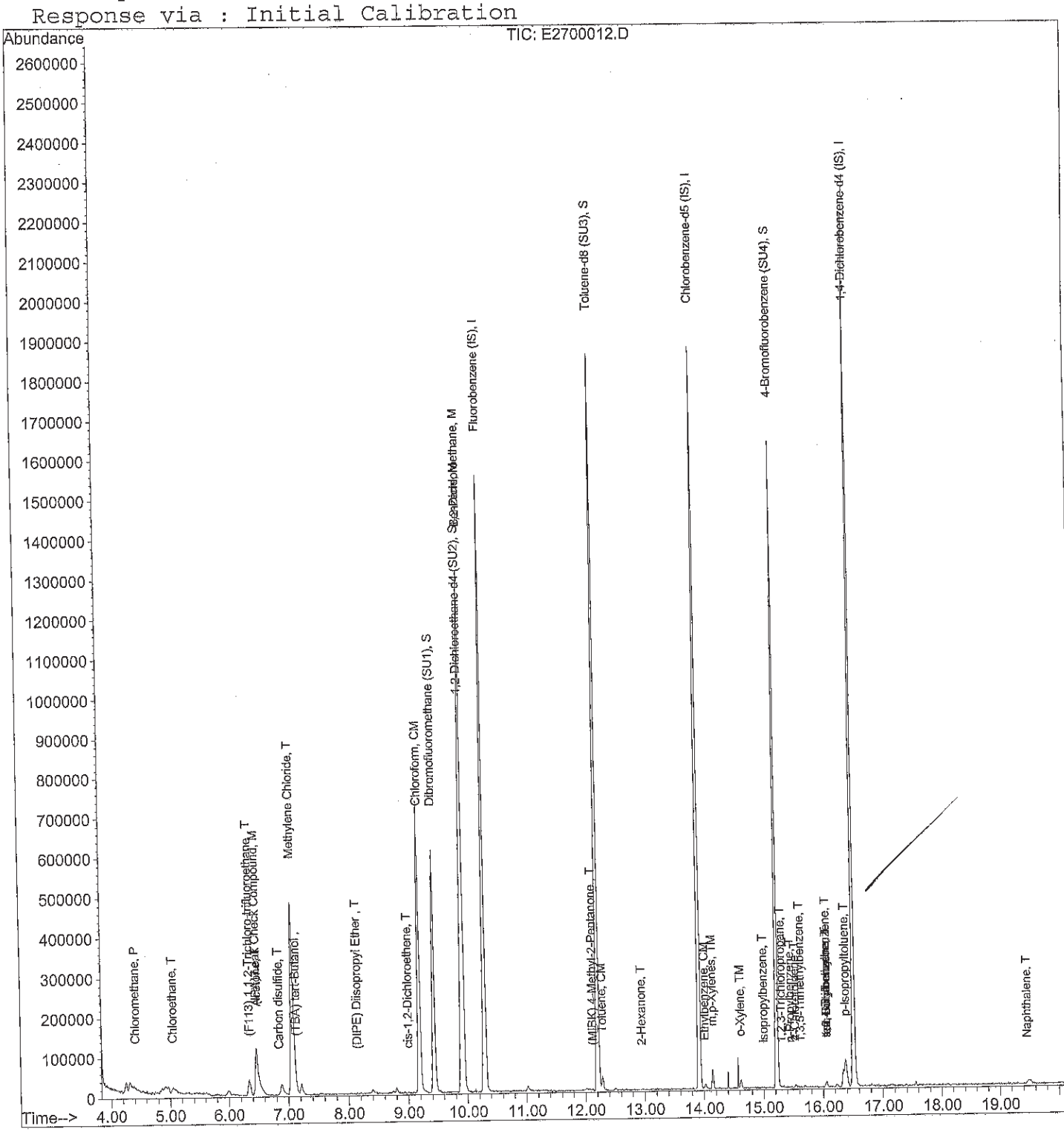
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
57) 1,2,3-Trichloropropane	15.31	75	307	0.06 ug/L #	36
62) n-Propylbenzene	15.45	91	2598	0.09 ug/L #	56
63) 2-Chlorotoluene	15.53	91	269	0.02 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.62	105	857	0.05 ug/L #	89
65) 4-Chlorotoluene	15.53	91	269	0.02 ug/L #	44
66) tert-Butylbenzene	16.05	119	653	0.05 ug/L #	48
67) 1,2,4-Trimethylbenzene	16.06	105	6239	0.35 ug/L	97
68) sec-Butylbenzene	16.06	105	6239	0.27 ug/L #	62
69) p-Isopropyltoluene	16.38	119	1253	0.07 ug/L #	56
77) Naphthalene	19.45	128	986	0.07 ug/L	100

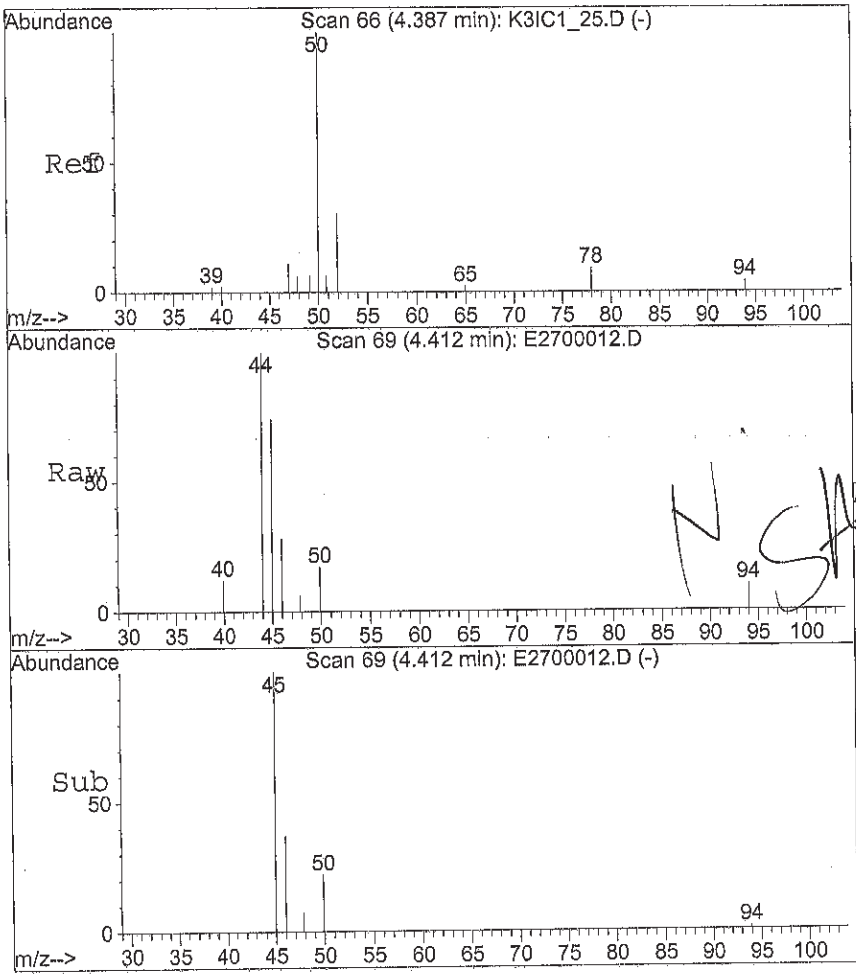
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700012.D Vial: 3
Acq On : 27 May 2014 3:05 pm Operator: DN
Sample : 3E42701-09 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:29 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

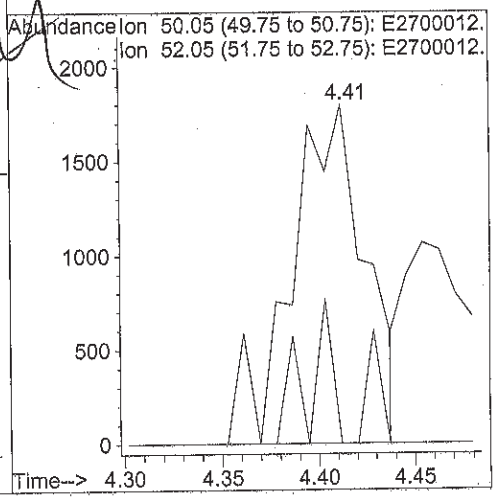


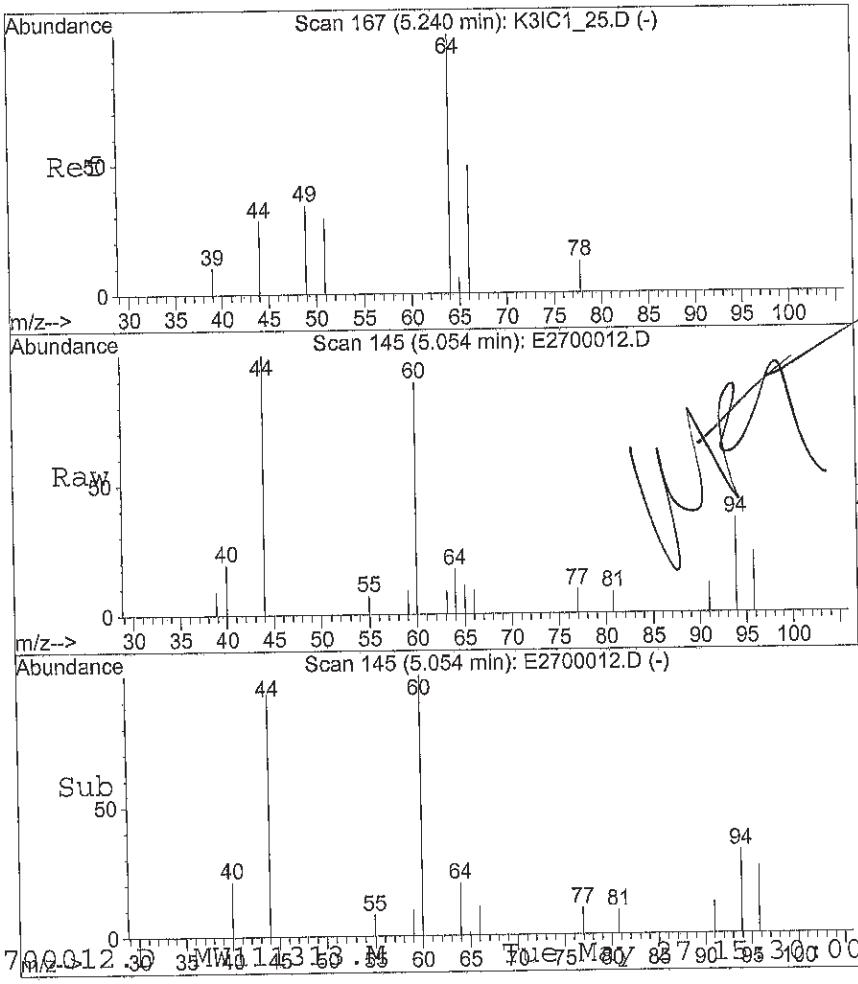


#4
Chloromethane
Concen: 0.49 ug/L
RT: 4.41 min Scan# 69
Delta R.T. 0.02 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 50 Resp: 4823

Ion	Ratio	Lower	Upper
50	100		
52	8.1	26.9	40.3#

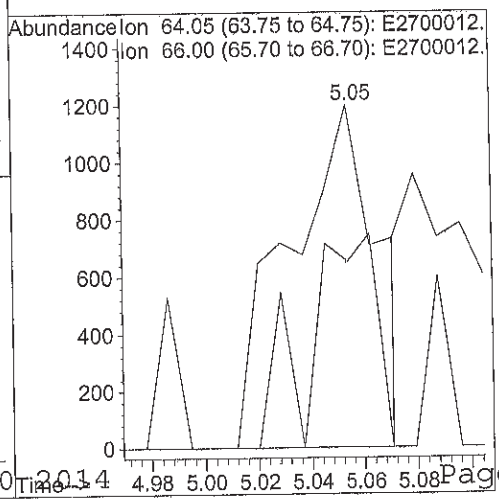


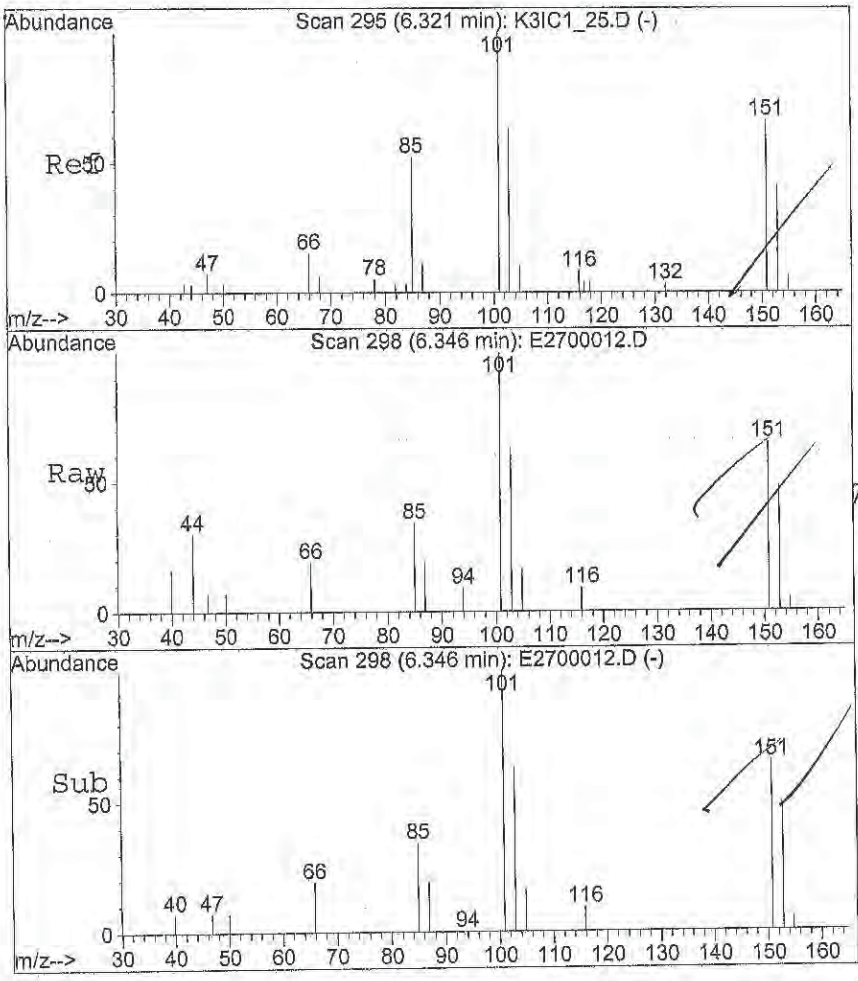


#7
Chloroethane
Concen: 2.71 ug/L
RT: 5.05 min Scan# 145
Delta R.T. -0.19 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 64 Resp: 2826

Ion	Ratio	Lower	Upper
64	100		
66	47.6	35.4	53.0

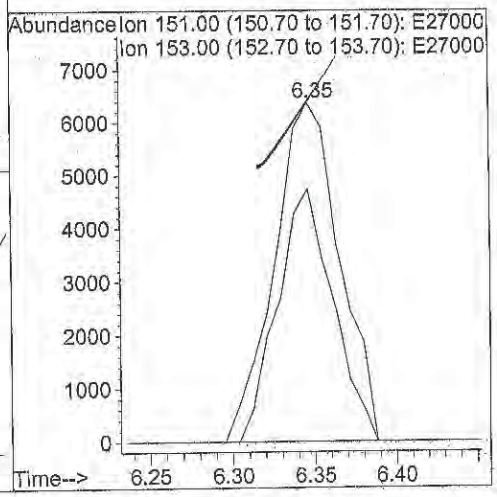


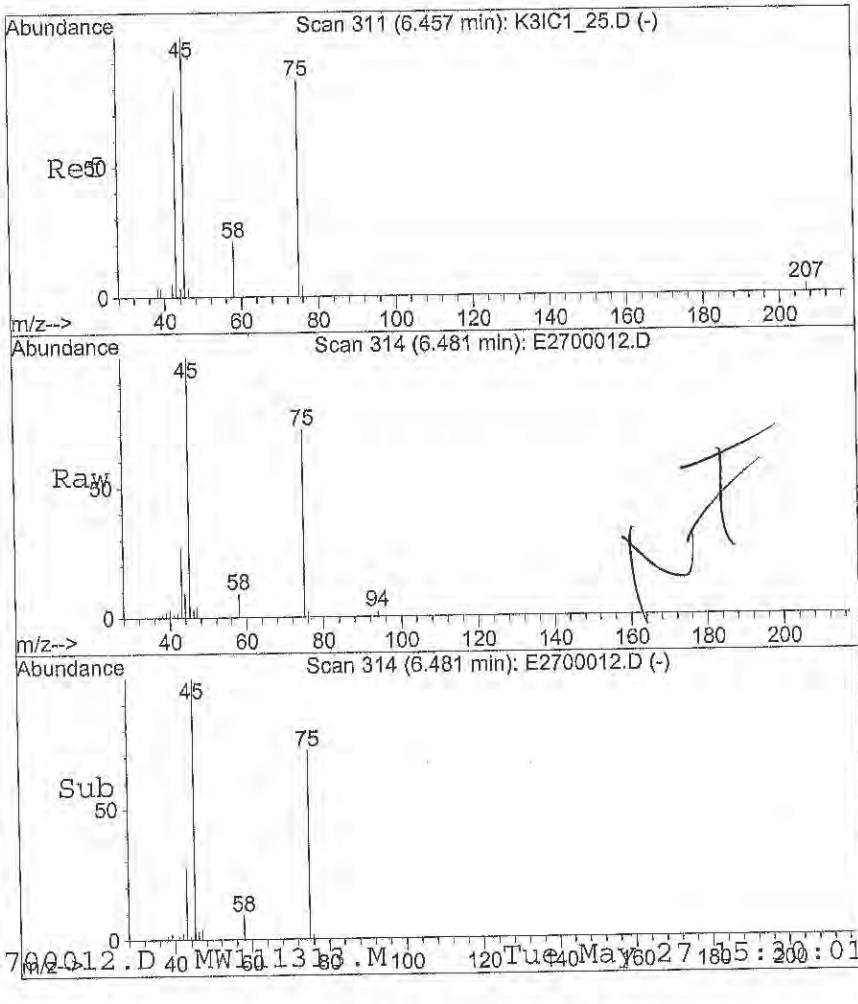


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 5.32 ug/L
RT: 6.35 min Scan# 298
Delta R.T. 0.03 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:151 Resp: 17555

Ion	Ratio	Lower	Upper
151	100		
153	63.3	49.6	74.4

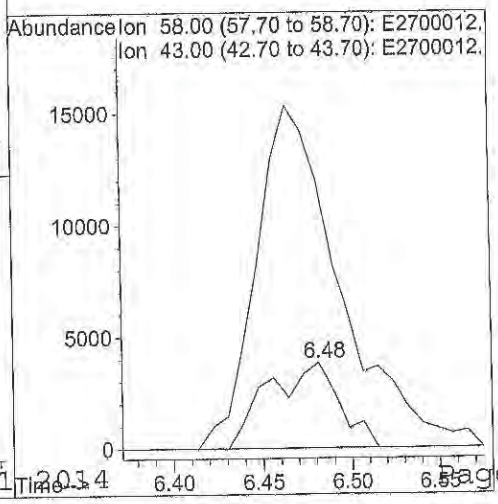


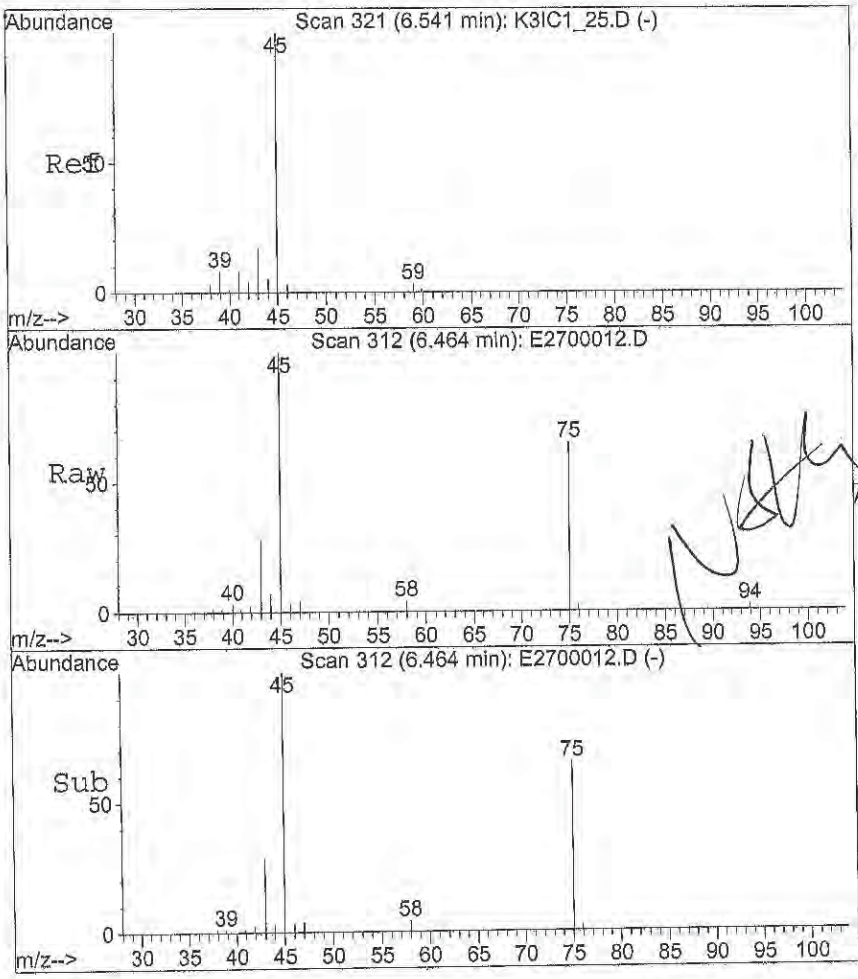


#11
Acetone
Concen: 12.21 ug/L
RT: 6.48 min Scan# 314
Delta R.T. 0.02 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 58 Resp: 10674

Ion	Ratio	Lower	Upper
58	100		
43	470.8	360.9	541.3

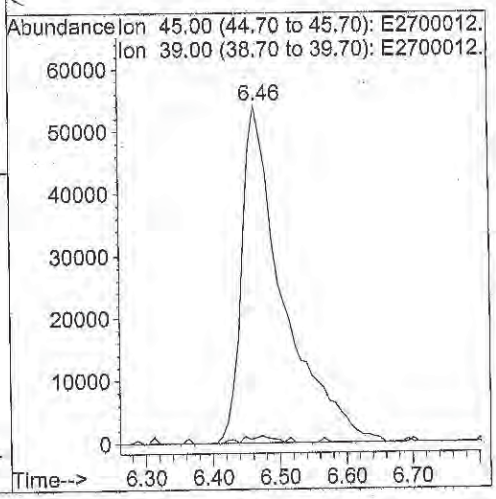


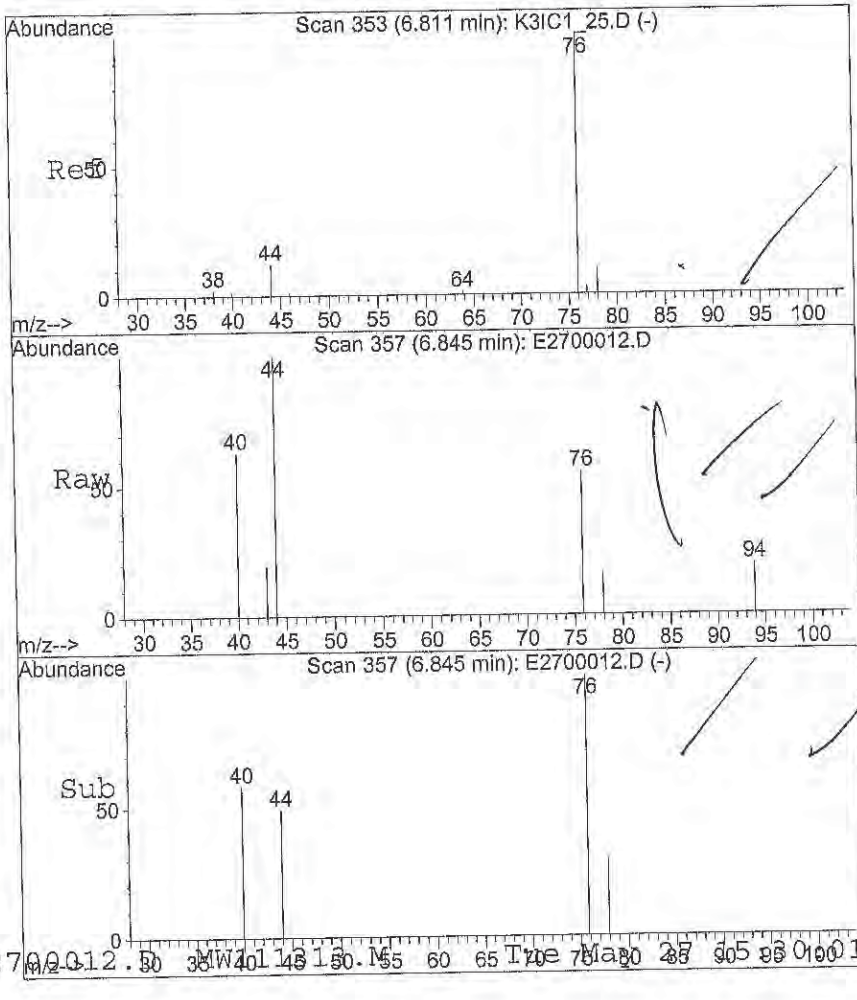


#12
(IPA) Leak Check Compound
Concen: 1147.17 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 45 Resp: 231550

Ion	Ratio	Lower	Upper
45	100		
39	1.5	4.9	7.3#

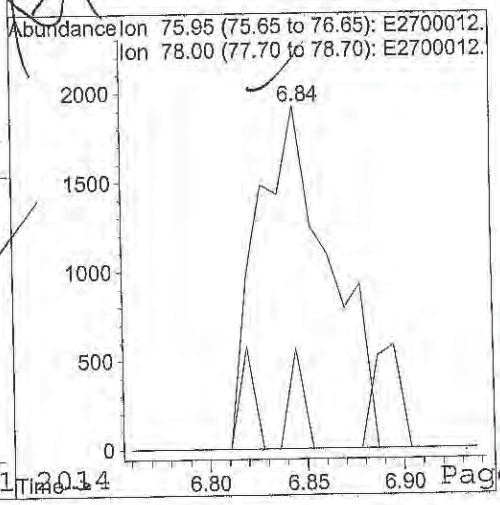


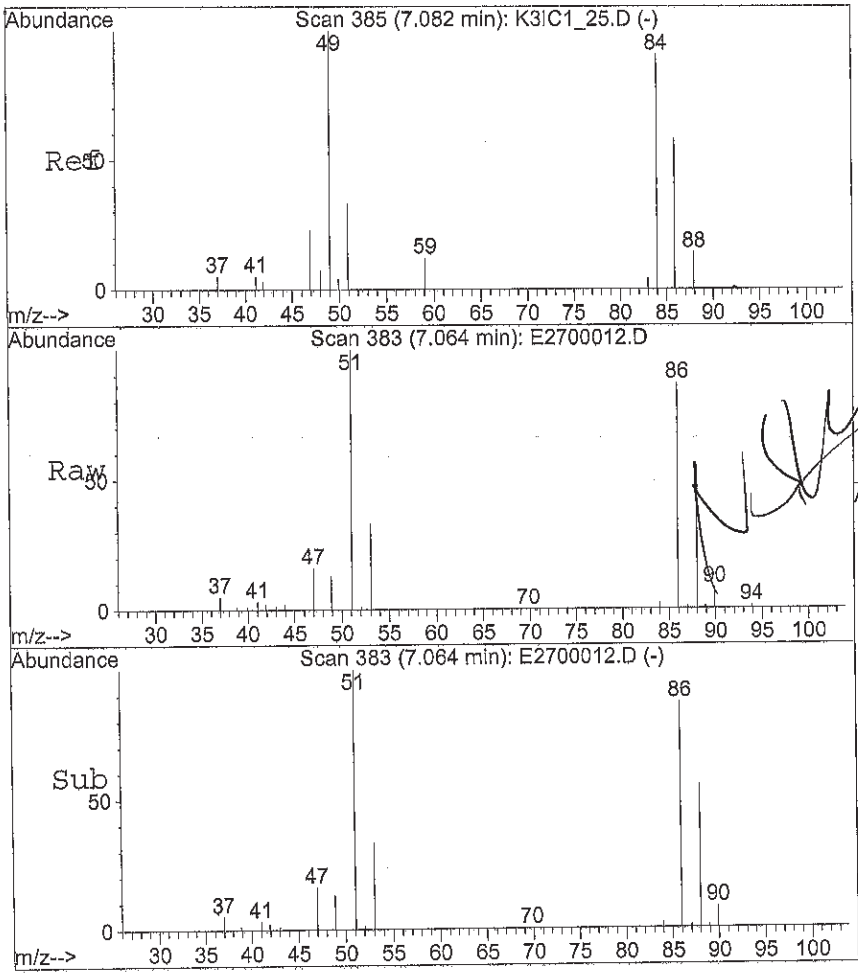


#13
Carbon disulfide
Concen: 0.36 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 76 Resp: 4995

Ion	Ratio	Lower	Upper
76	100		
78	5.7	7.0	10.4#

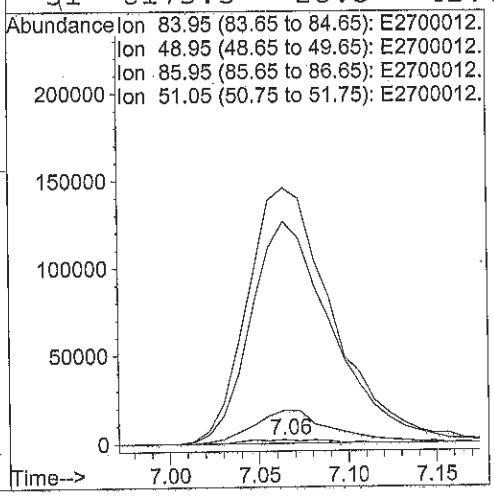


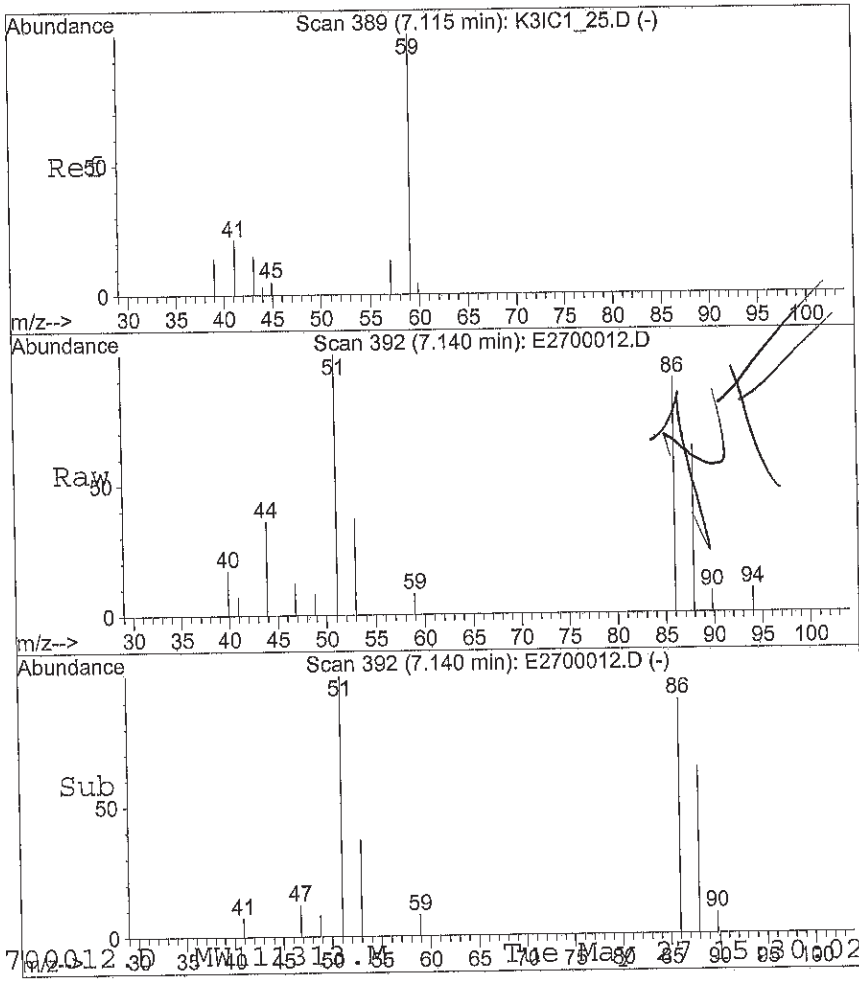


#14
Methylene Chloride
Concen: 1.30 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 84 Resp: 5984

Ion	Ratio	Lower	Upper
84	100		
49	941.9	89.8	134.6#
86	6785.8	51.1	76.7#
51	8173.5	28.5	42.7#

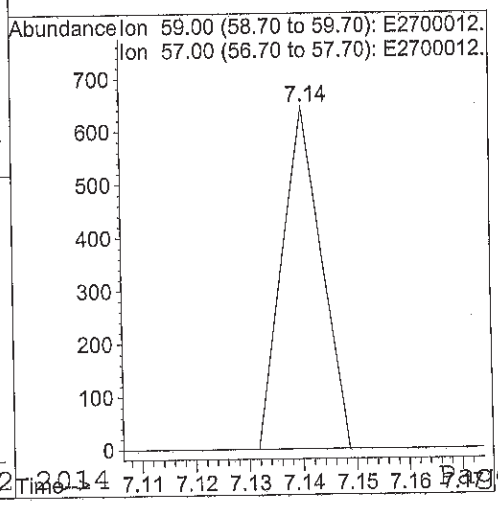


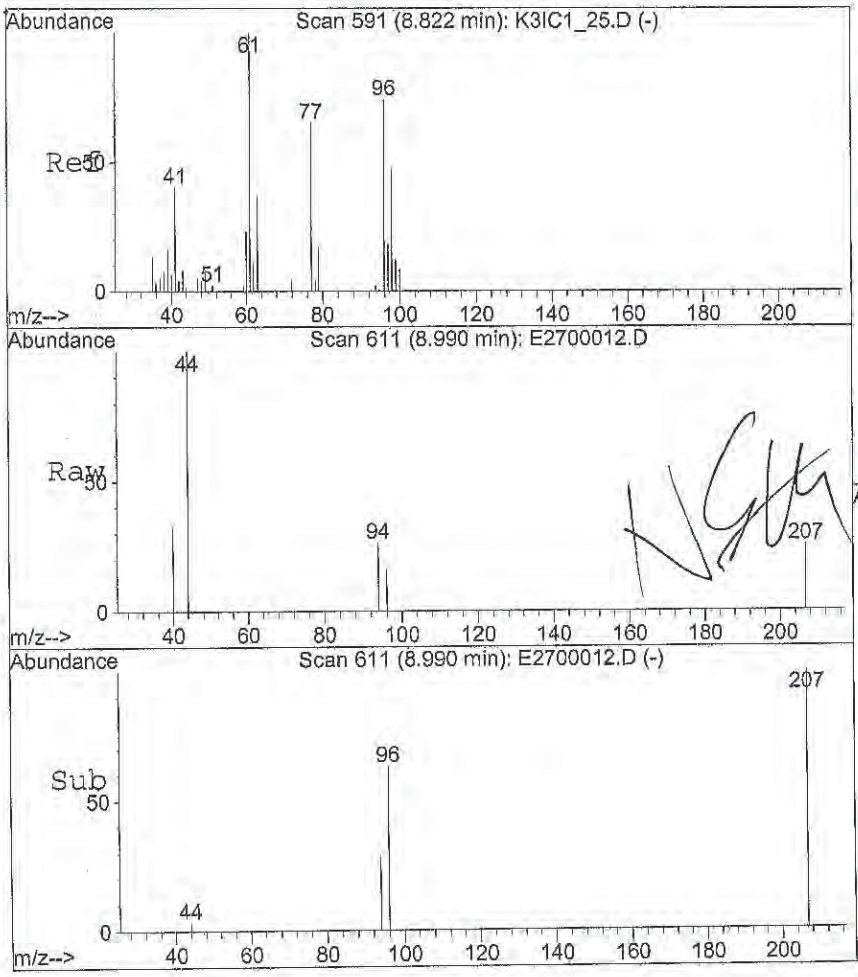


#15
(TBA) tert-Butanol
Concen: 1.14 ug/L
RT: 7.14 min Scan# 392
Delta R.T. 0.02 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 59 Resp: 328

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

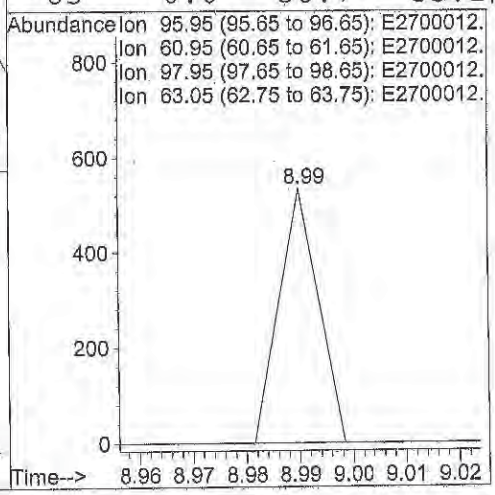


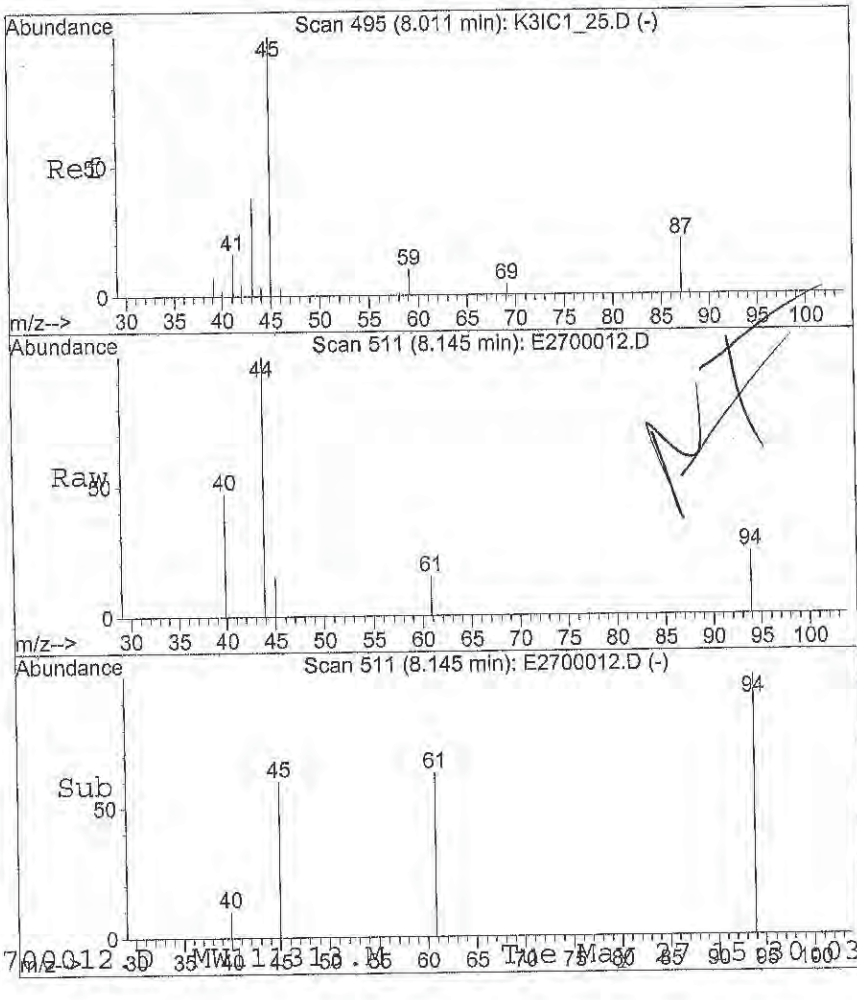


#19
cis-1,2-Dichloroethene
Concen: 0.05 ug/L
RT: 8.99 min Scan# 611
Delta R.T. 0.17 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 96 Resp: 271

Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.3	165.5#
98	0.0	49.8	74.6#
63	0.0	36.7	55.1#

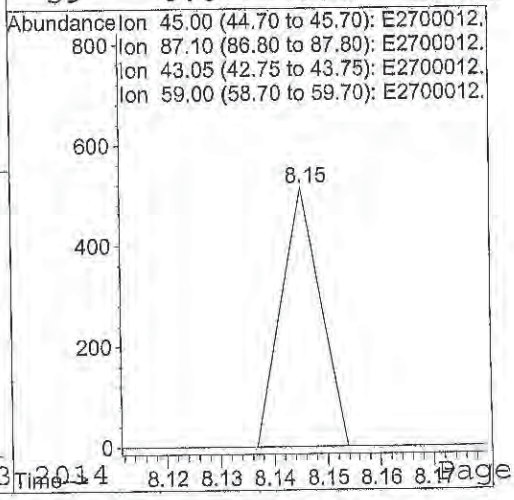


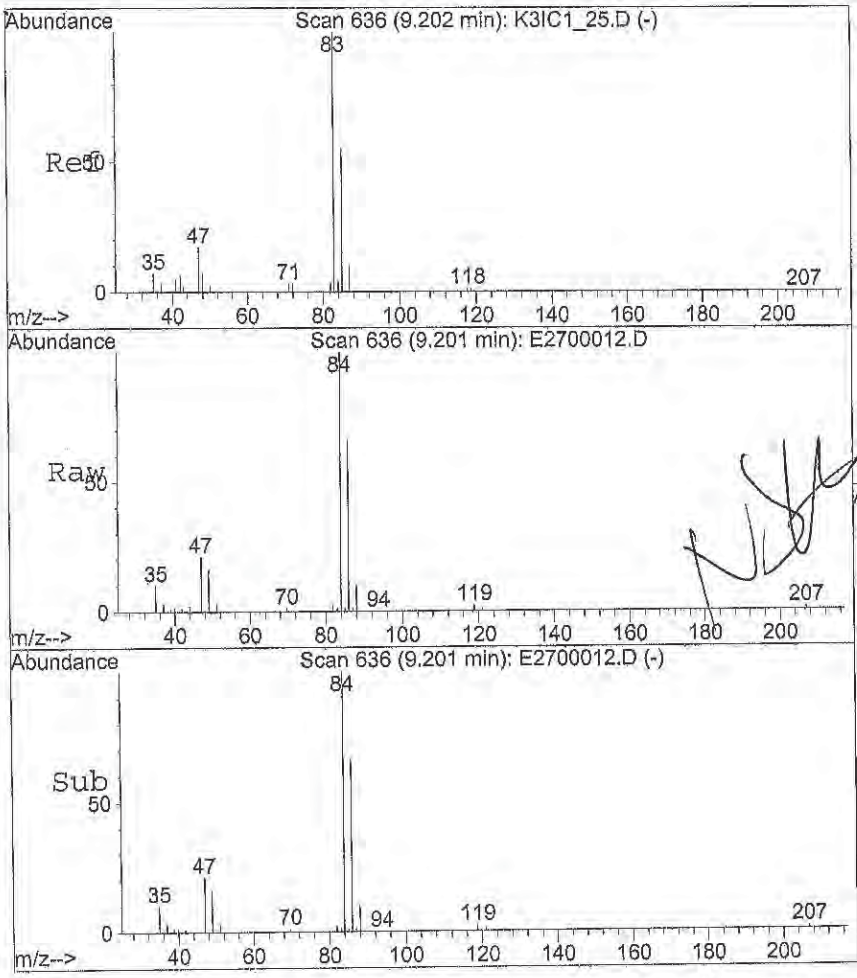


#22
(DIPE) Diisopropyl Ether
Concen: 0.02 ug/L
RT: 8.15 min Scan# 511
Delta R.T. 0.13 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 45 Resp: 260

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

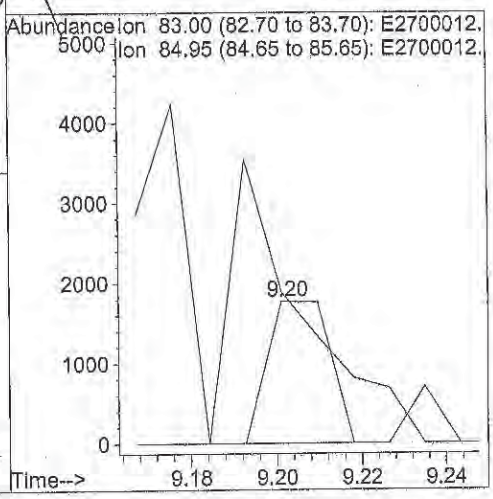


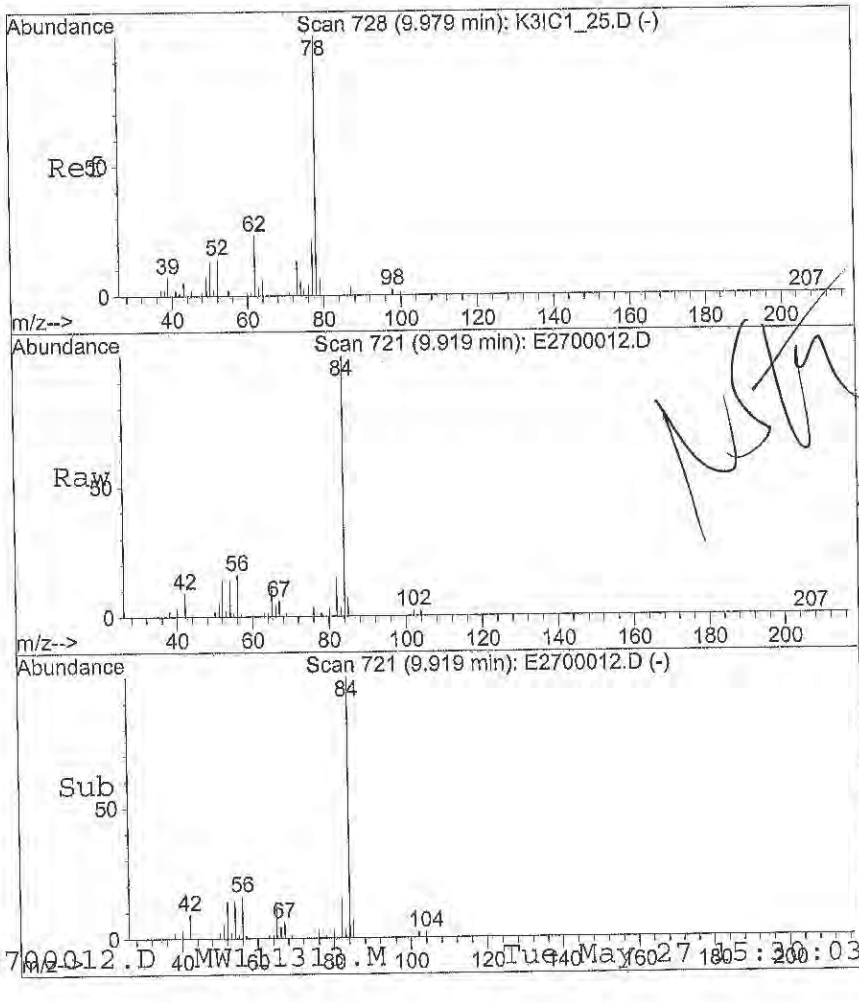


#24
Chloroform
Concen: 0.20 ug/L
RT: 9.20 min Scan# 636
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 83 Resp: 1793

Ion	Ratio	Lower	Upper
83	100		
85	233.4	51.8	77.6#

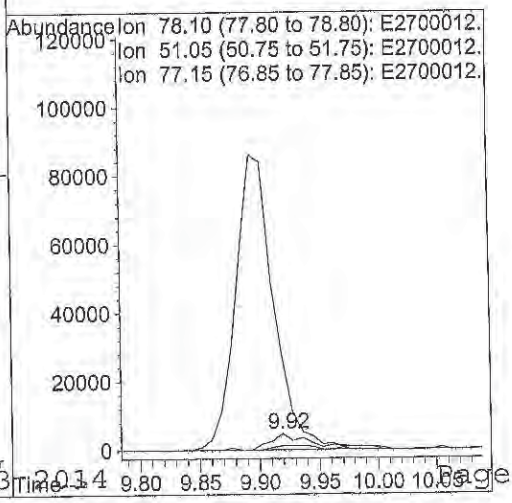


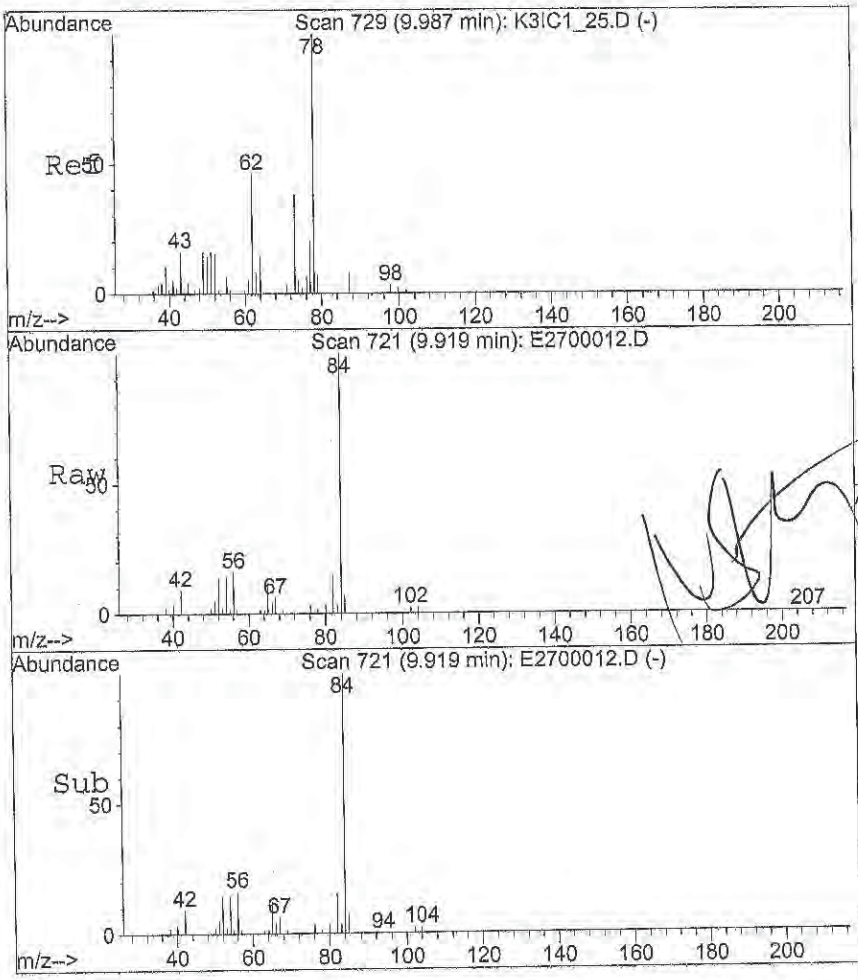


#31
Benzene
Concen: 0.75 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.06 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 78 Resp: 11819

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	20.9	16.6	24.8

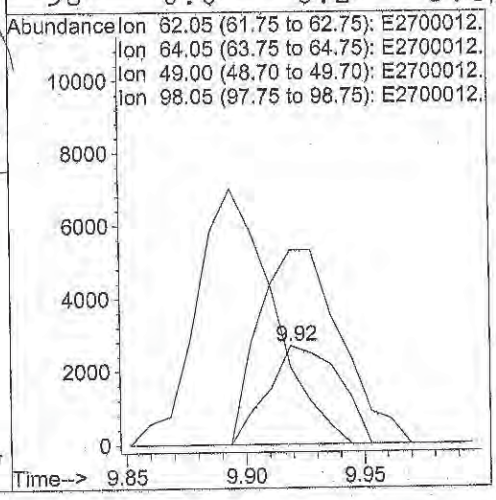


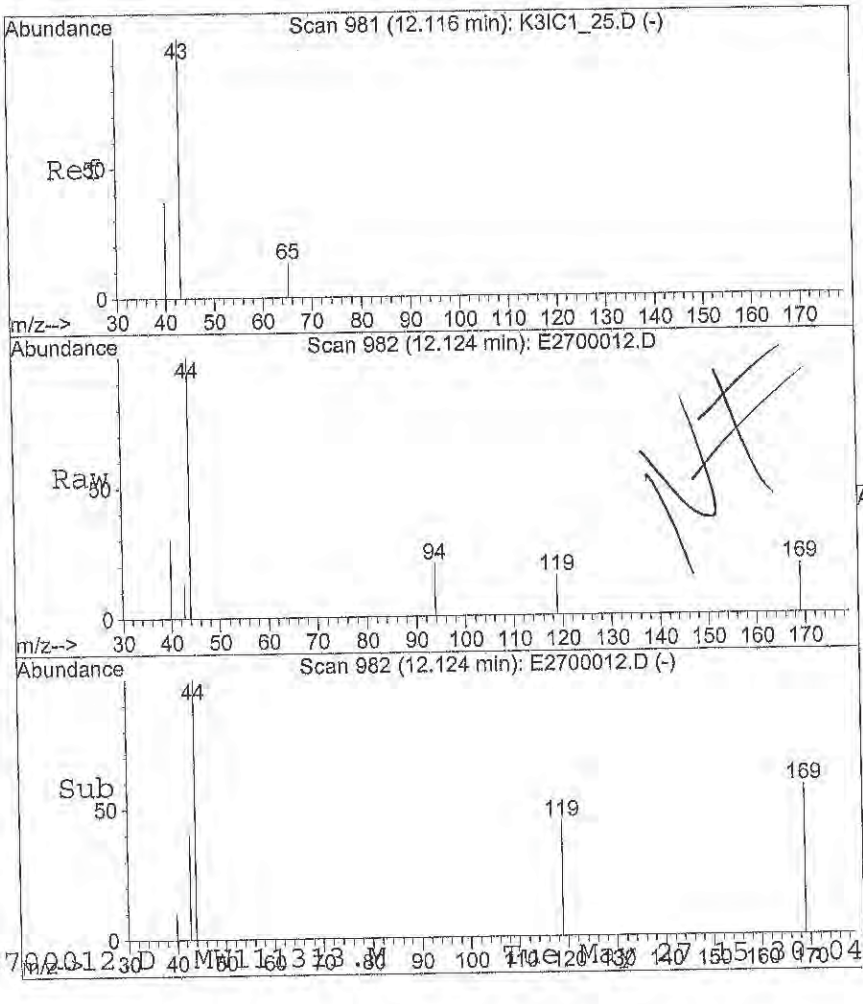


#32
1,2-Dichloroethane
Concen: 0.99 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 62 Resp: 5561

Ion	Ratio	Lower	Upper
62	100		
64	230.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

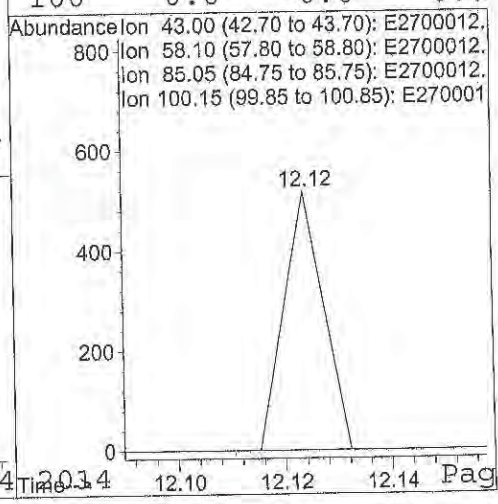


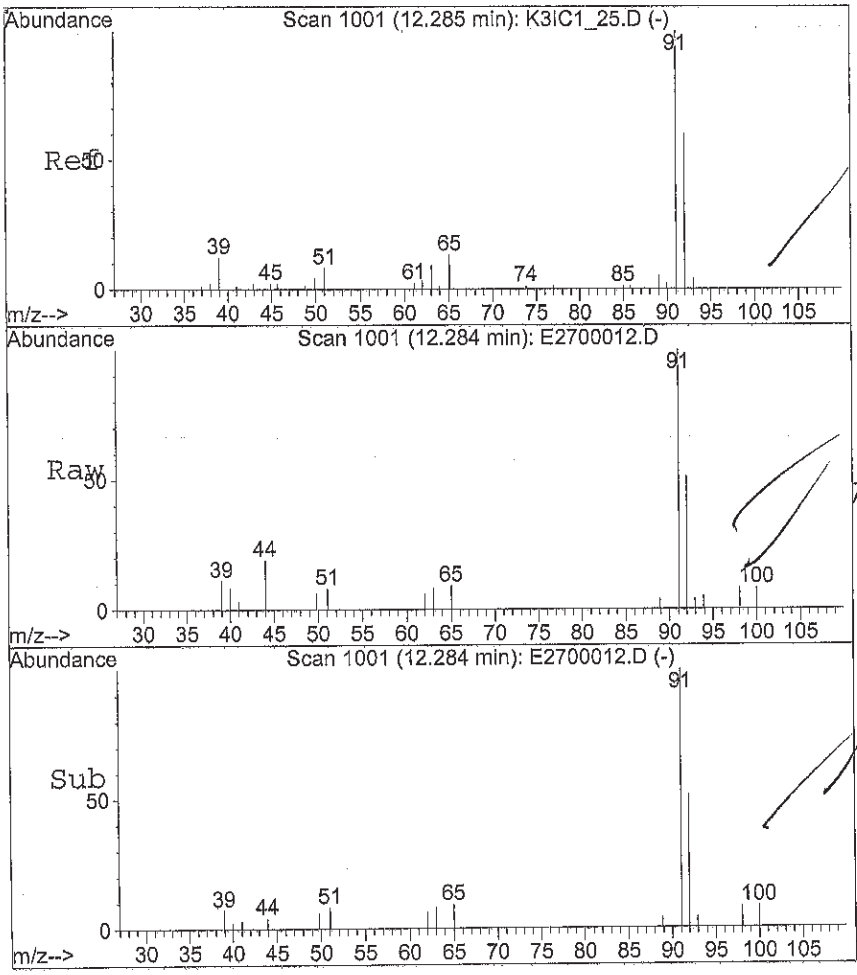


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.10 ug/L
RT: 12.12 min Scan# 982
Delta R.T. 0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 43 Resp: 262

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

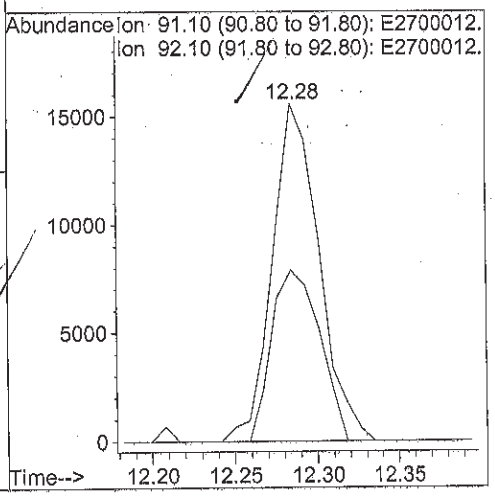


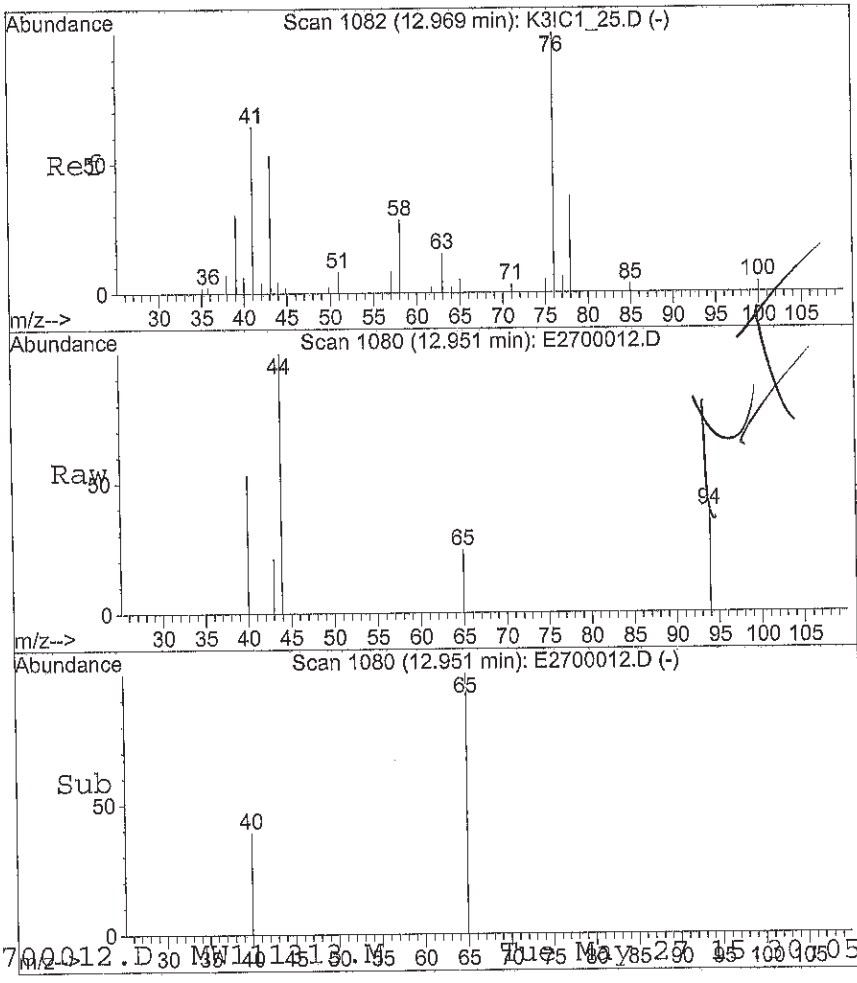


#41
Toluene
Concen: 1.73 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 91 Resp: 30636

Ion	Ratio	Lower	Upper
91	100		
92	52.3	47.4	71.0

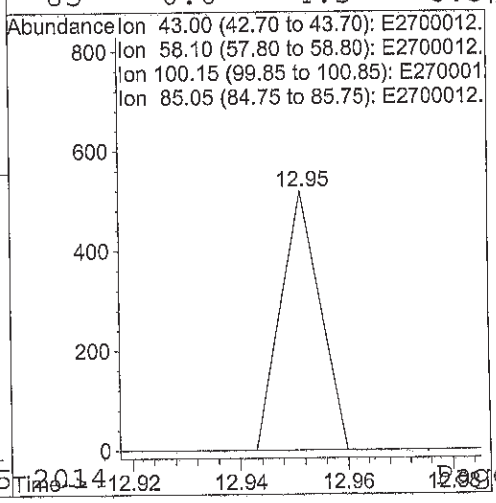


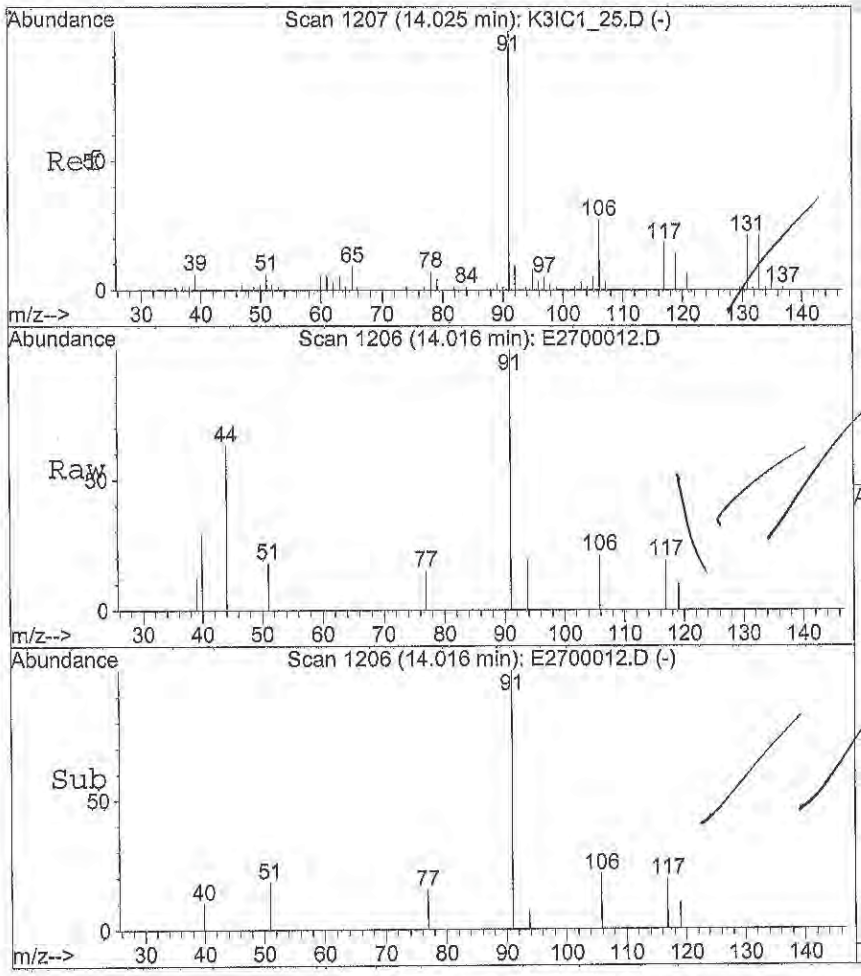


#46
2-Hexanone
Concen: 0.09 ug/L
RT: 12.95 min Scan# 1080
Delta R.T. -0.02 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 43 Resp: 262

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

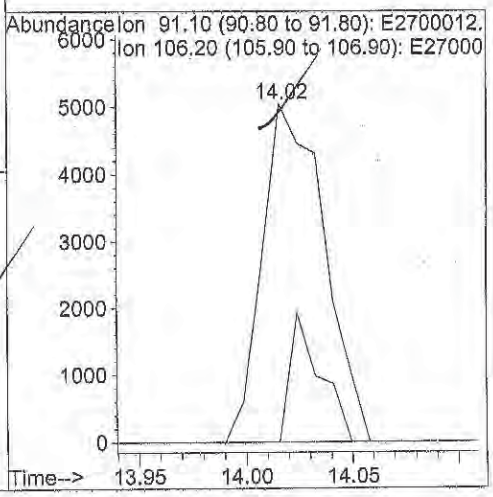


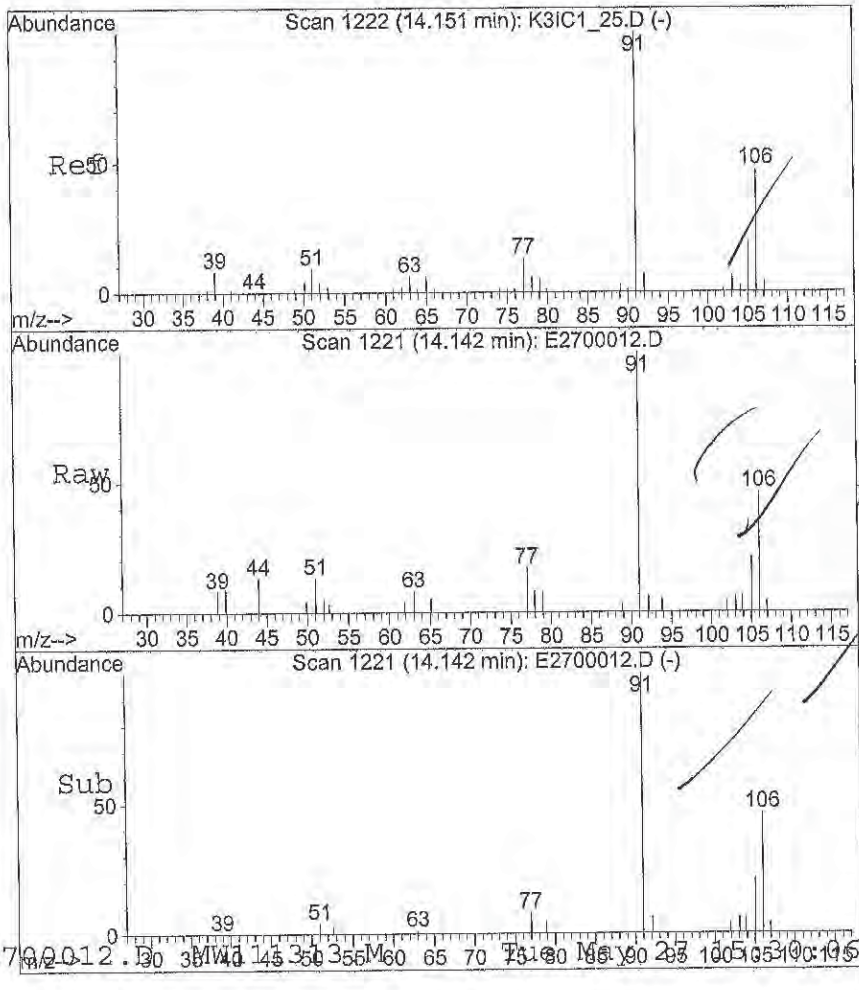


#51
Ethylbenzene
Concen: 0.51 ug/L
RT: 14.02 min Scan# 1206
Delta R.T. -0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 91 Resp: 10200

Ion	Ratio	Lower	Upper
91	100		
106	18.7	23.5	35.3#

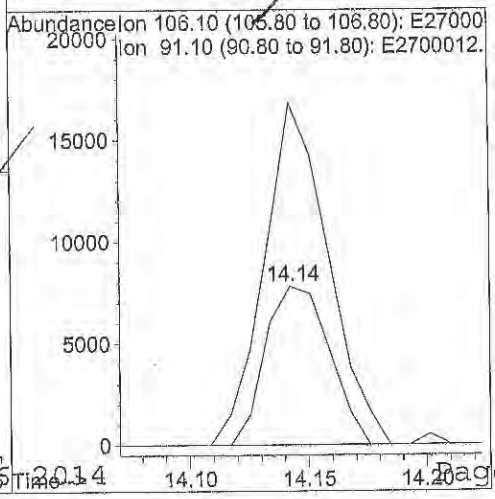


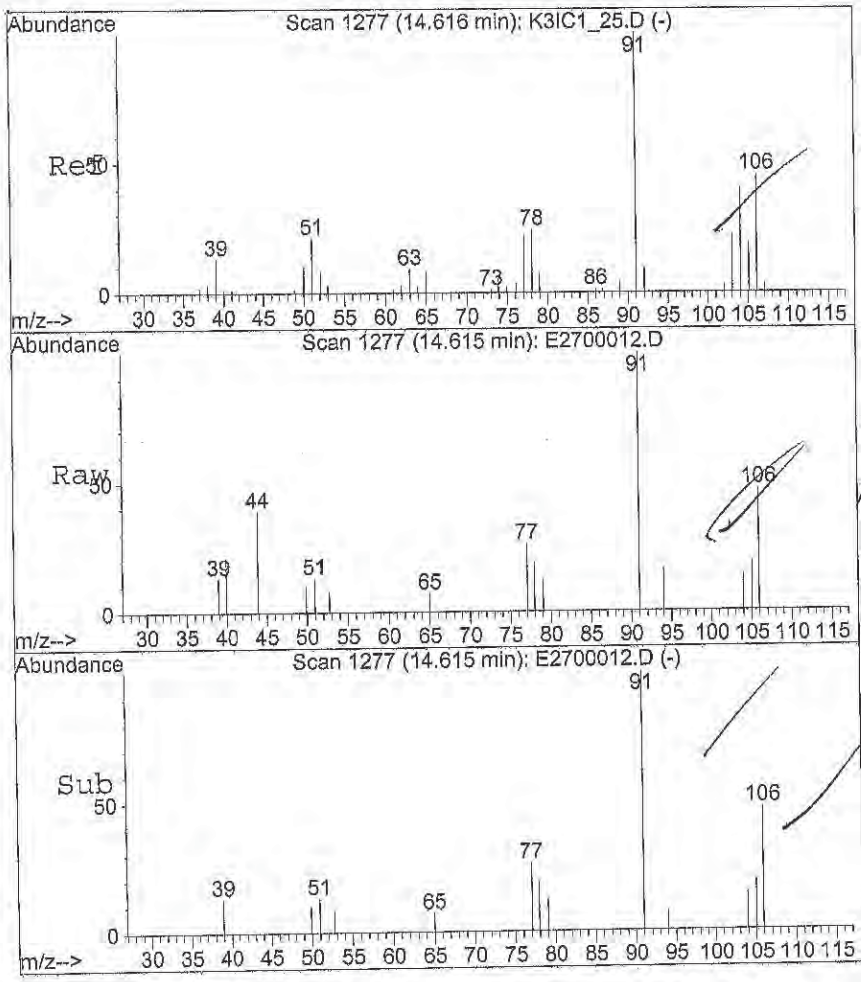


#52
m,p-Xylenes
Concen: 2.04 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:106 Resp: 14632

Ion	Ratio	Lower	Upper
106	100		
91	216.0	177.1	265.7

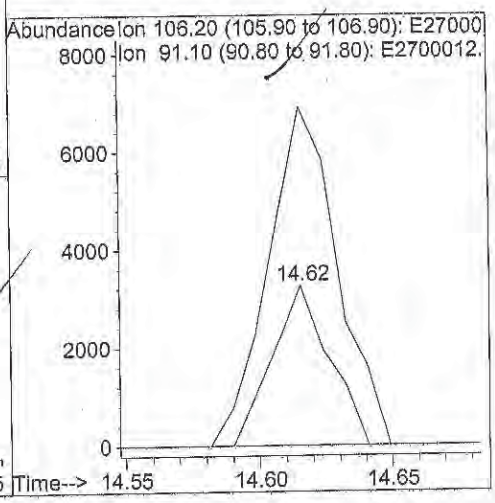


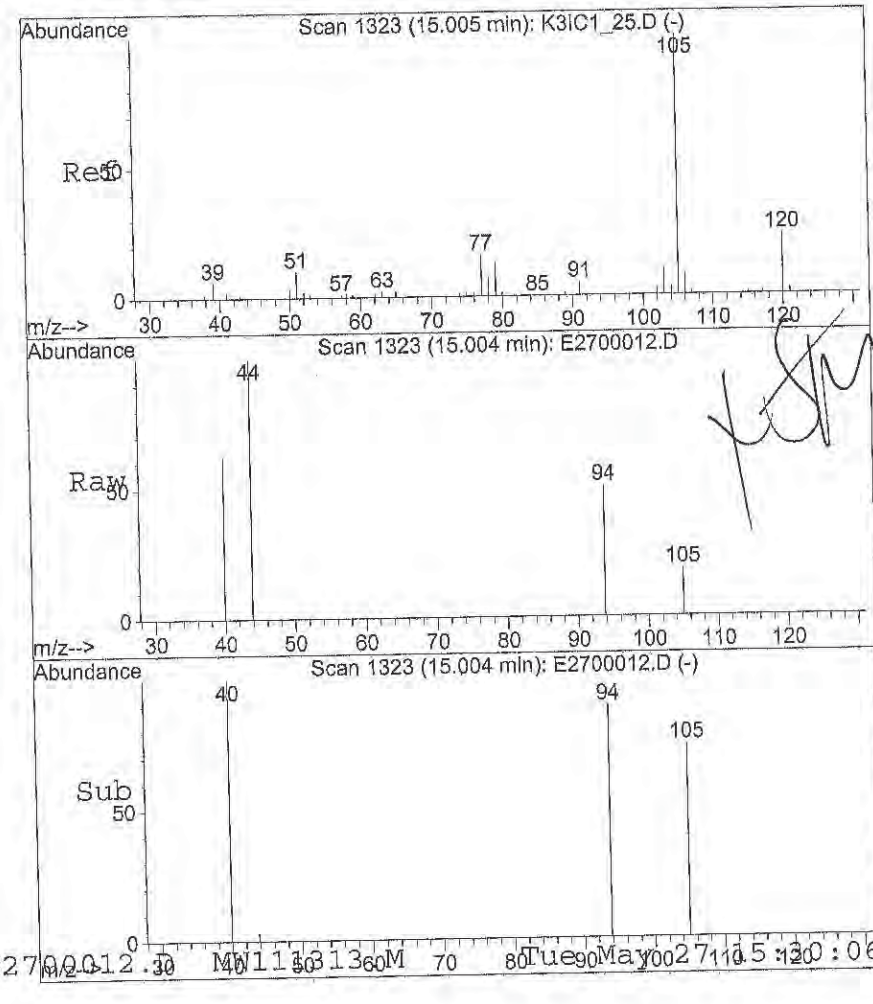


#53
o-Xylene
Concen: 0.68 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:106 Resp: 4834

Ion	Ratio	Lower	Upper
106	100		
91	257.2	179.0	268.6

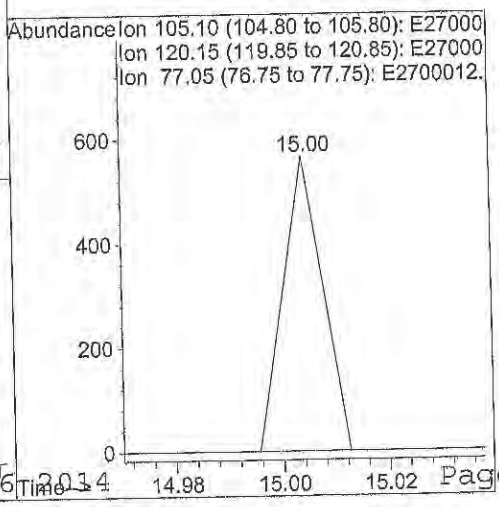


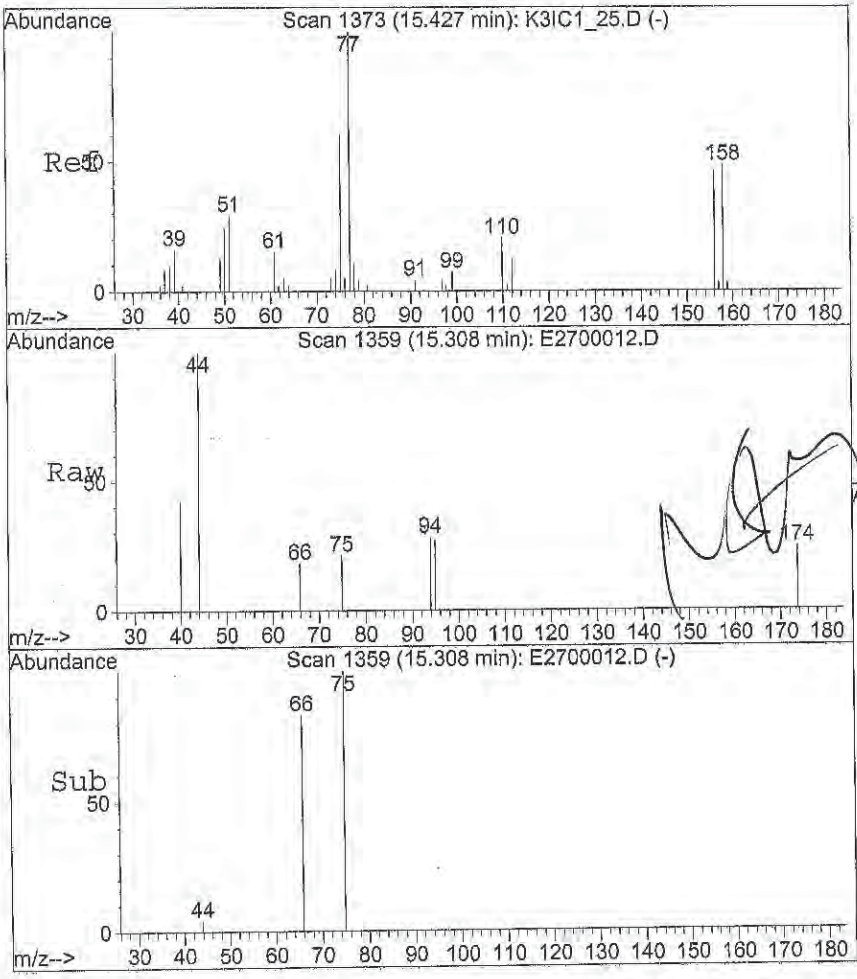


#56
Isopropylbenzene
Concen: 0.01 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:105 Resp: 287

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

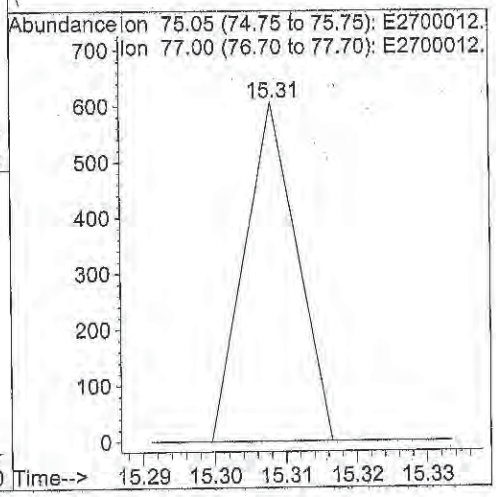


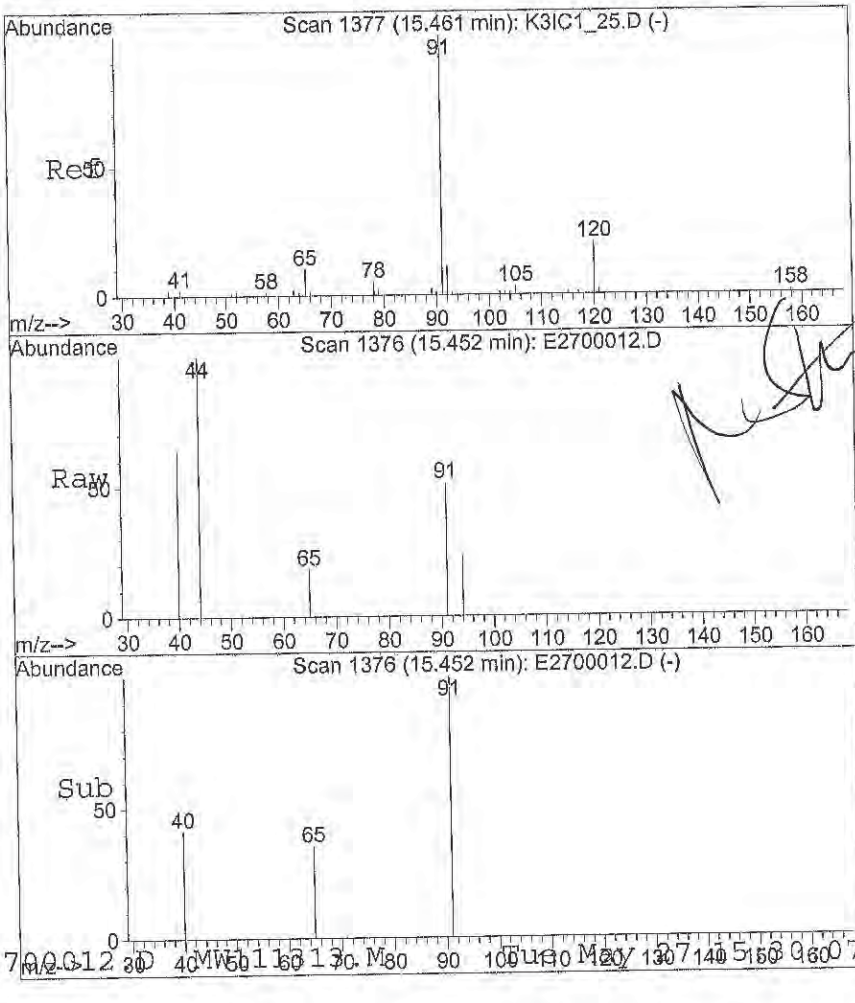


#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.31 min Scan# 1359
Delta R.T. -0.12 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 75 Resp: 307

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

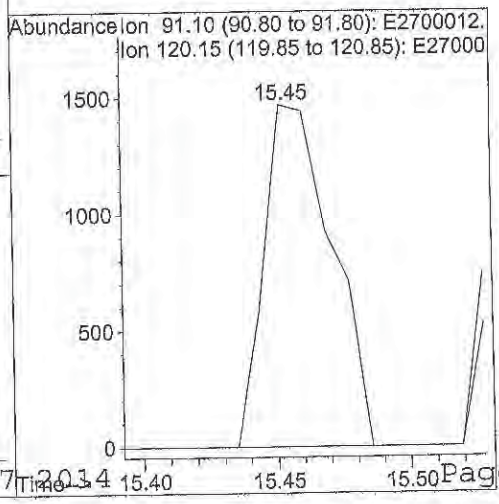


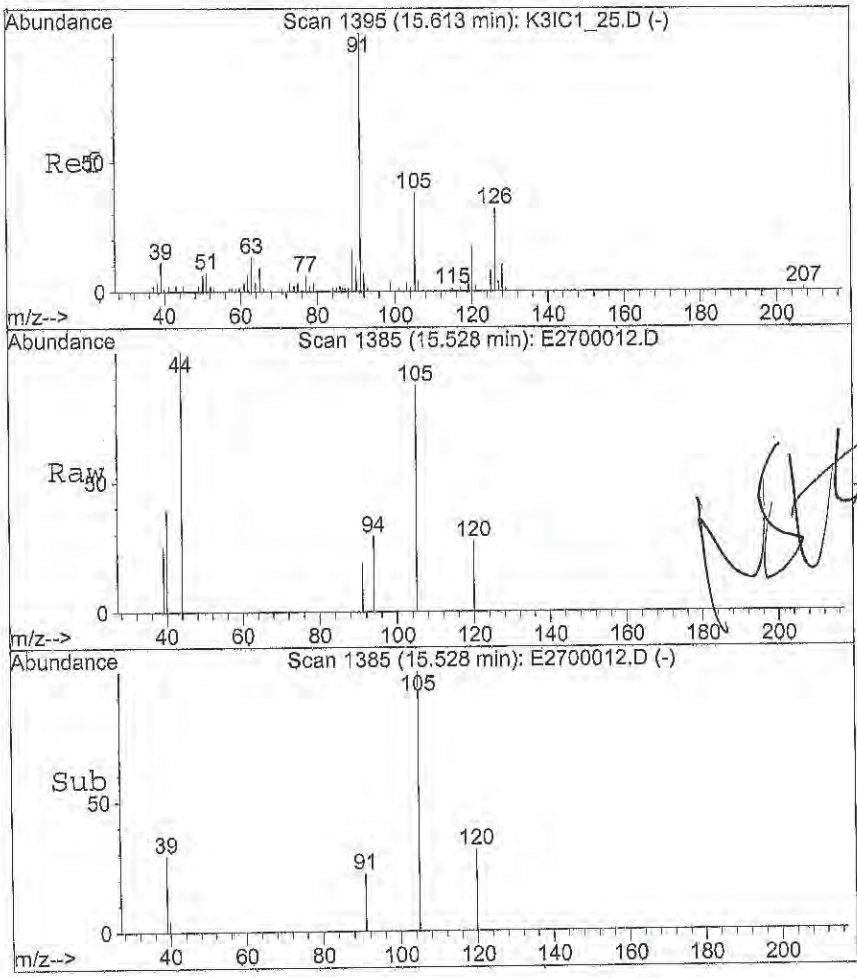


#62
n-Propylbenzene
Concen: 0.09 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 91 Resp: 2598

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

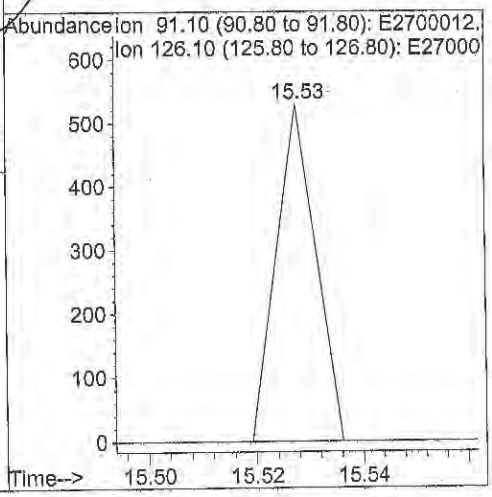


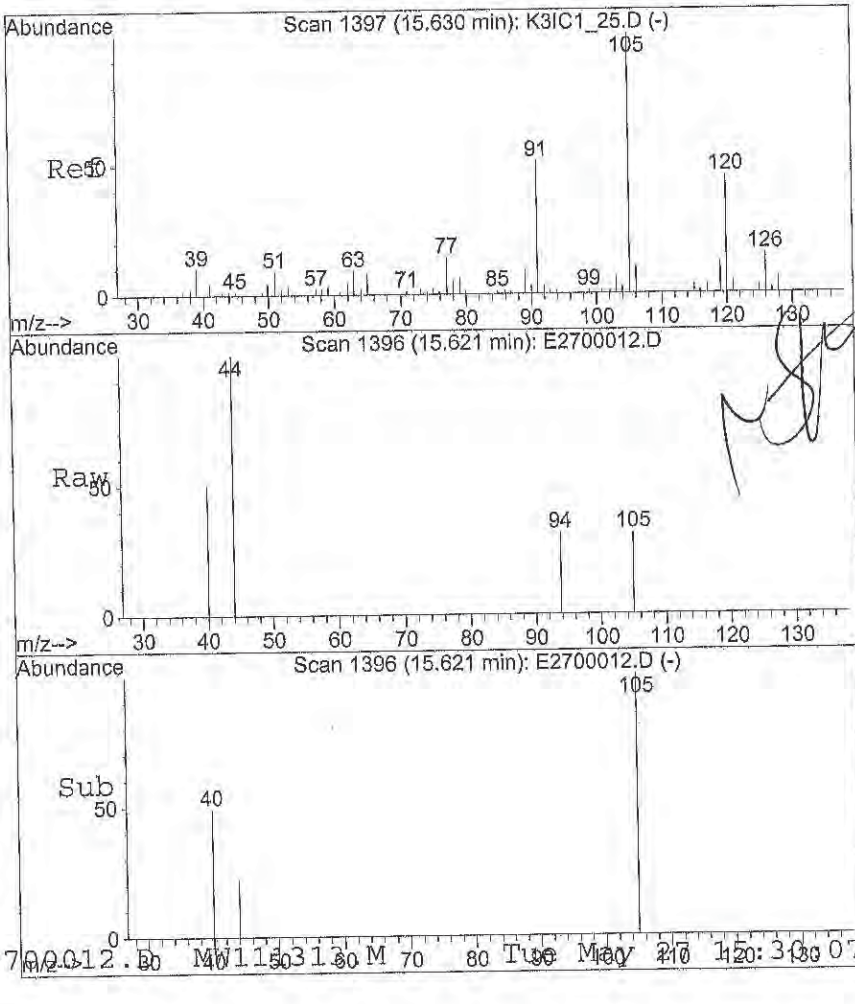


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.53 min Scan# 1385
Delta R.T. -0.09 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 91 Resp: 269

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

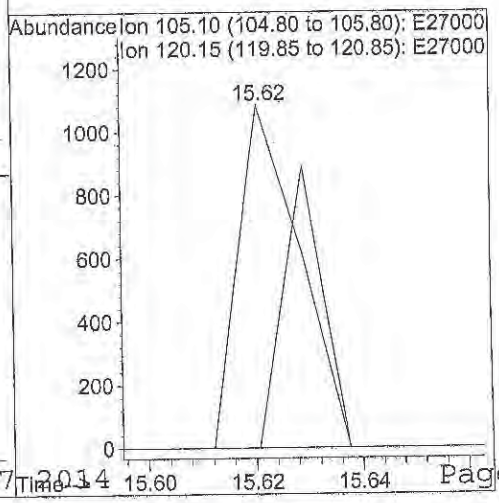


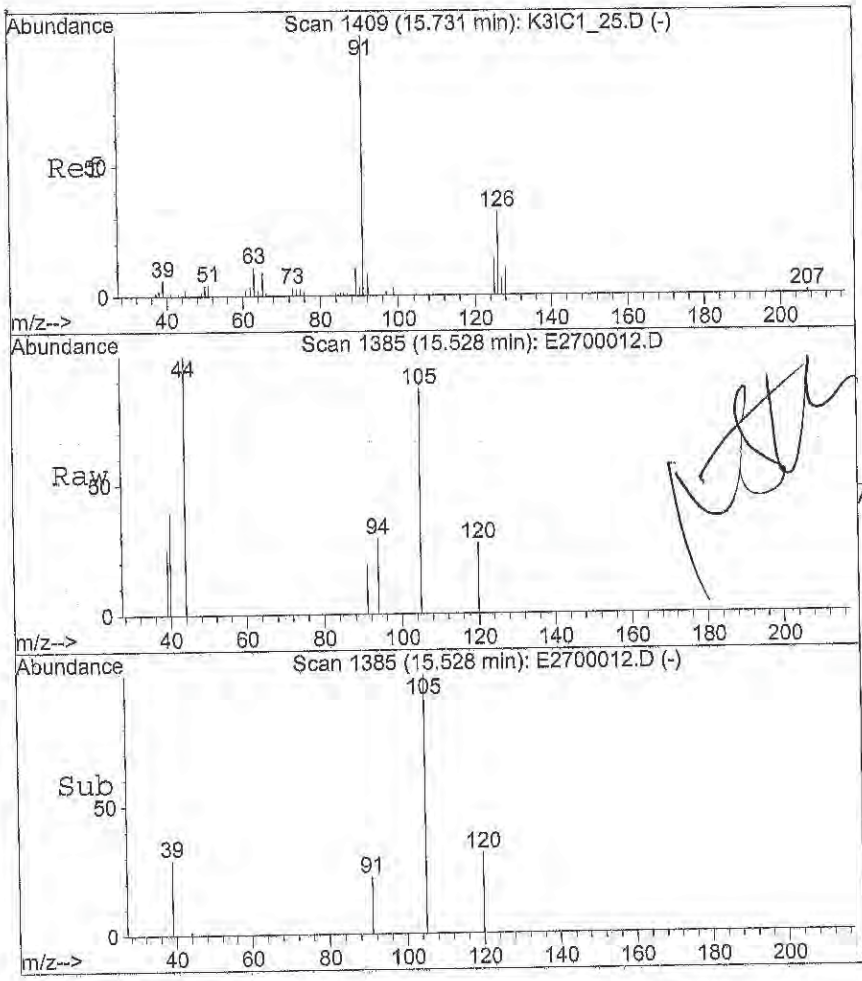


#64
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:105 Resp: 857

Ion	Ratio	Lower	Upper
105	100		
120	52.6	36.4	54.6

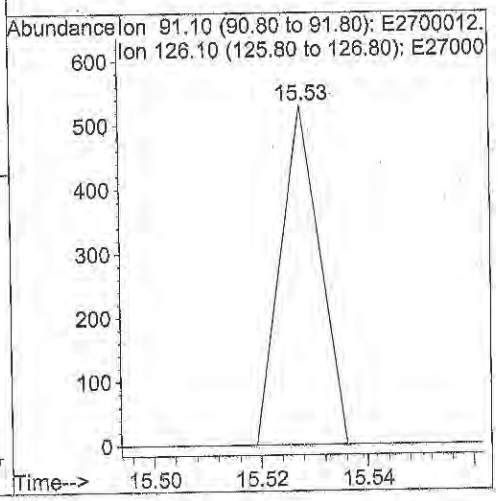


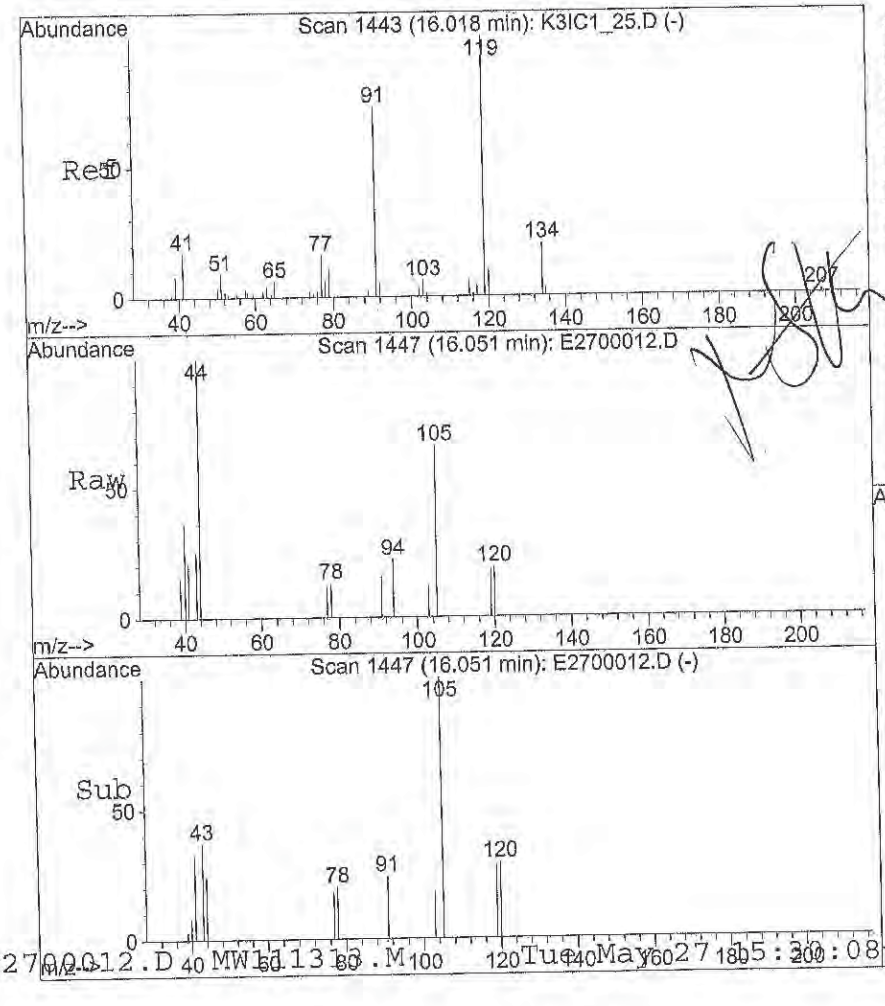


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.53 min Scan# 1385
Delta R.T. -0.20 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion: 91 Resp: 269

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

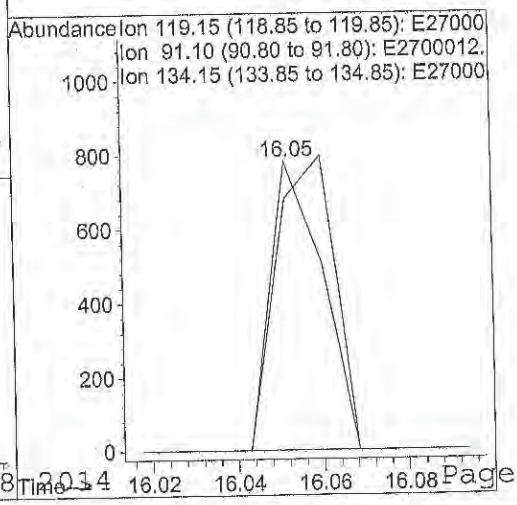


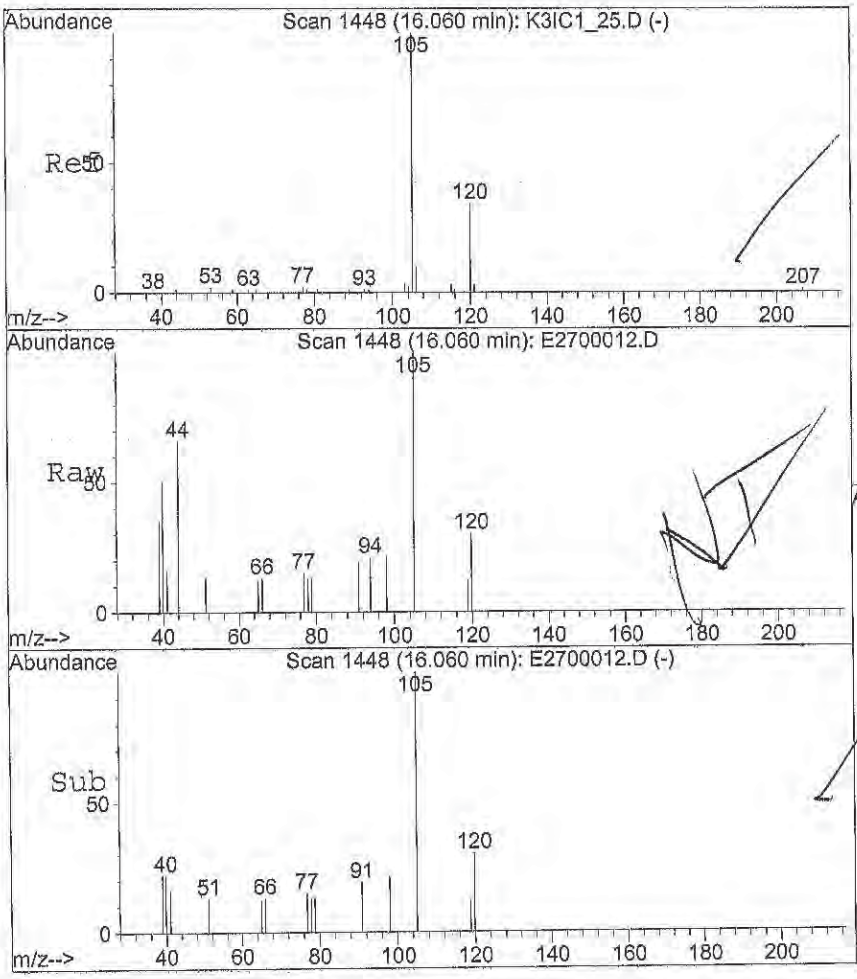


#66
tert-Butylbenzene
Concen: 0.05 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:119 Resp: 653

Ion	Ratio	Lower	Upper
119	100		
91	114.7	56.3	84.5#
134	0.0	16.1	24.1#

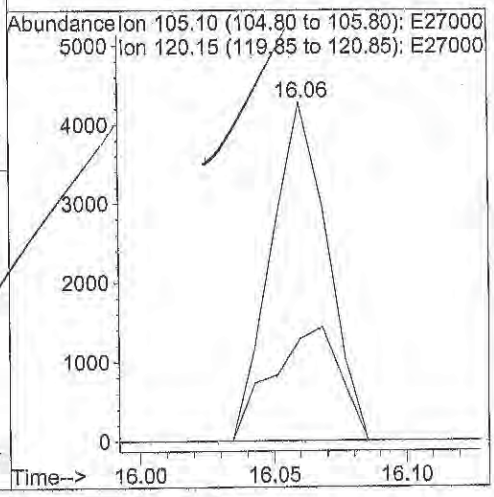


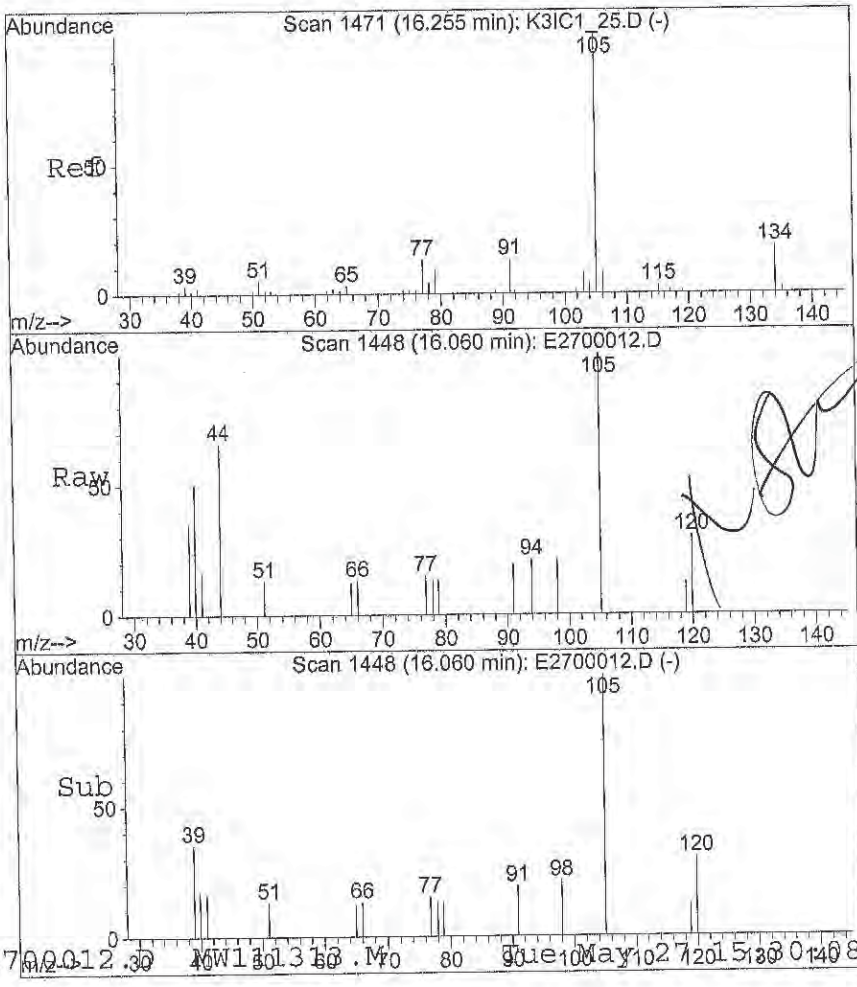


#67
1,2,4-Trimethylbenzene
Concen: 0.35 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:105 Resp: 6239

Ion	Ratio	Lower	Upper
105	100		
120	40.3	33.8	50.8

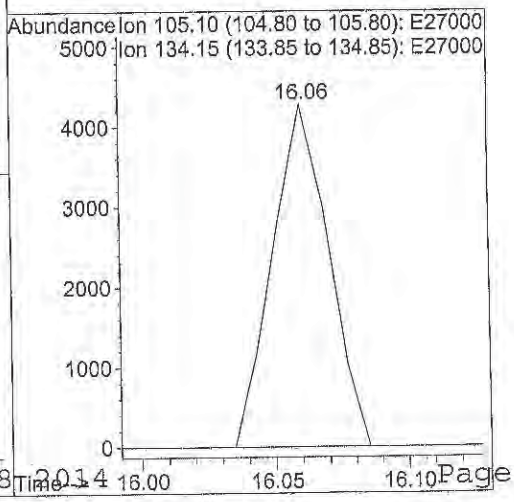


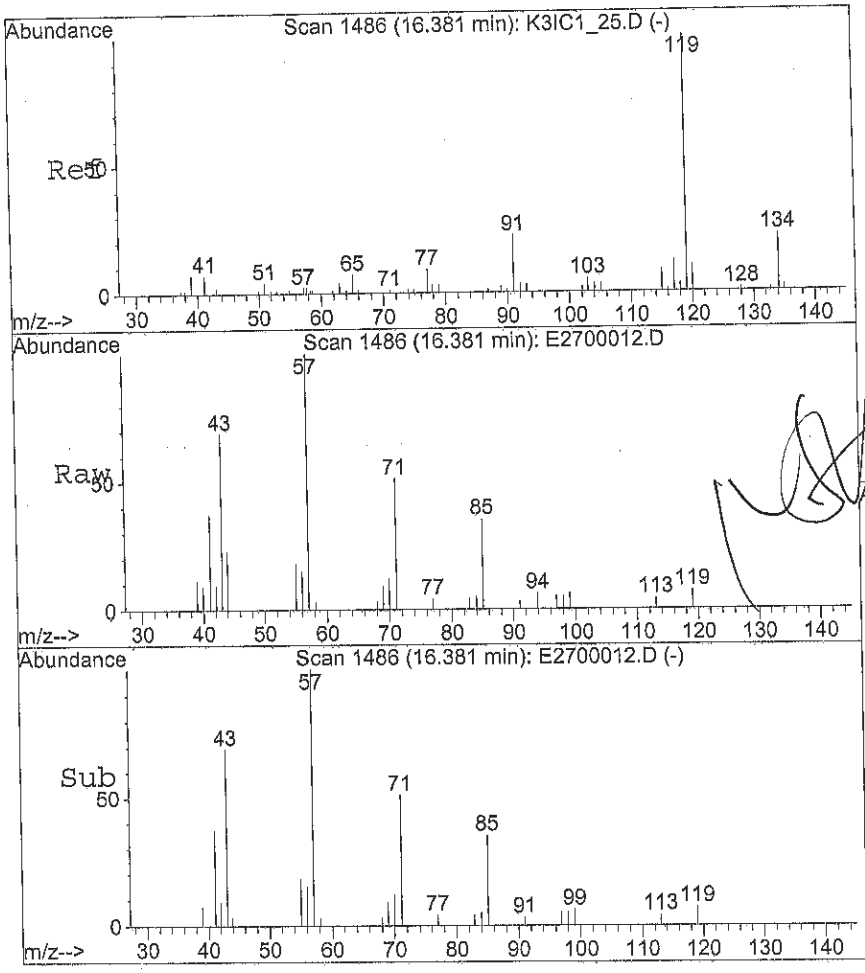


#68
sec-Butylbenzene
Concen: 0.27 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.19 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:105 Resp: 6239

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

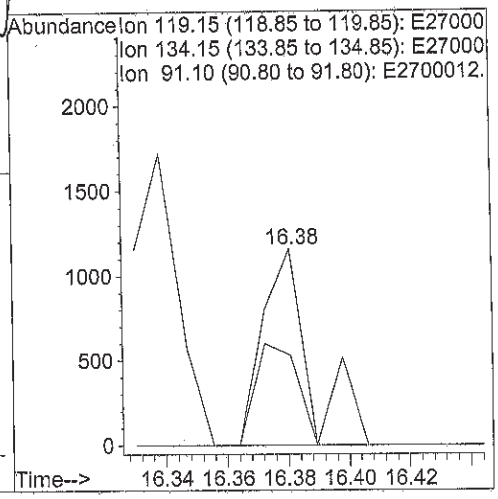


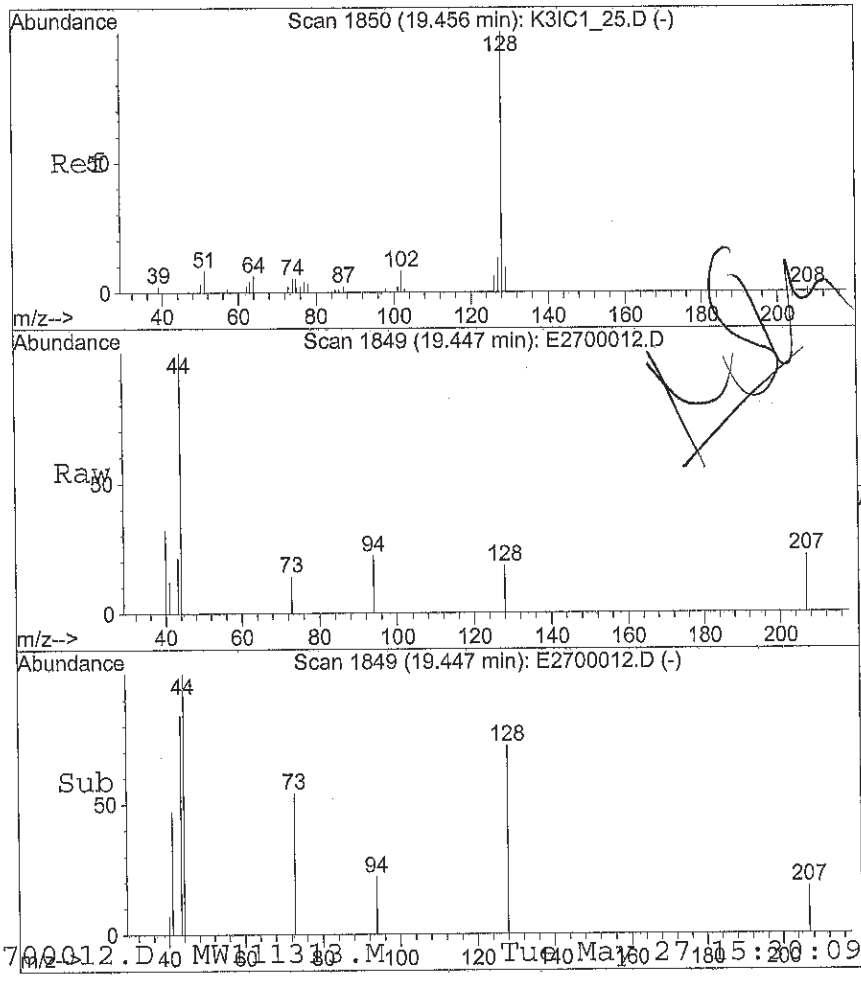


#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:119 Resp: 1253

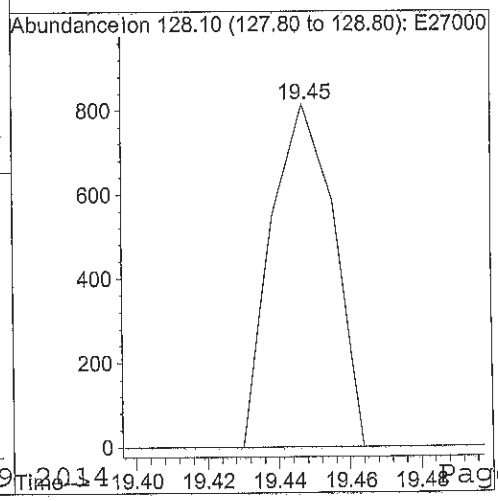
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	45.6	19.6	29.4#





#77
Naphthalene
Concen: 0.07 ug/L
RT: 19.45 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2700012.D
Acq: 27 May 2014 3:05 pm

Tgt Ion:128 Resp: 986



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700012.D Vial: 3
Acq On : 27 May 2014 3:05 pm Operator: DN
Sample : 3E42701-09 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 15:29 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1679743	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1298849	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	682899	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	467074	10.69	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.52%			
3) Chloroform-d (SU6)	9.18	84	719371	11.48	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.84%			
4) Methylene Chloride-d2 (SU5	7.06	86	406063	11.08	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 88.64%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	464879	15.57	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 124.56%			
6) Benzene-d6 (SU7)	9.93	84	1377983	10.45	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 83.60%			
8) Toluene-d8 (SU3)	12.21	98	1463111	11.87	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.96%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	714057	14.04	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 112.32%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

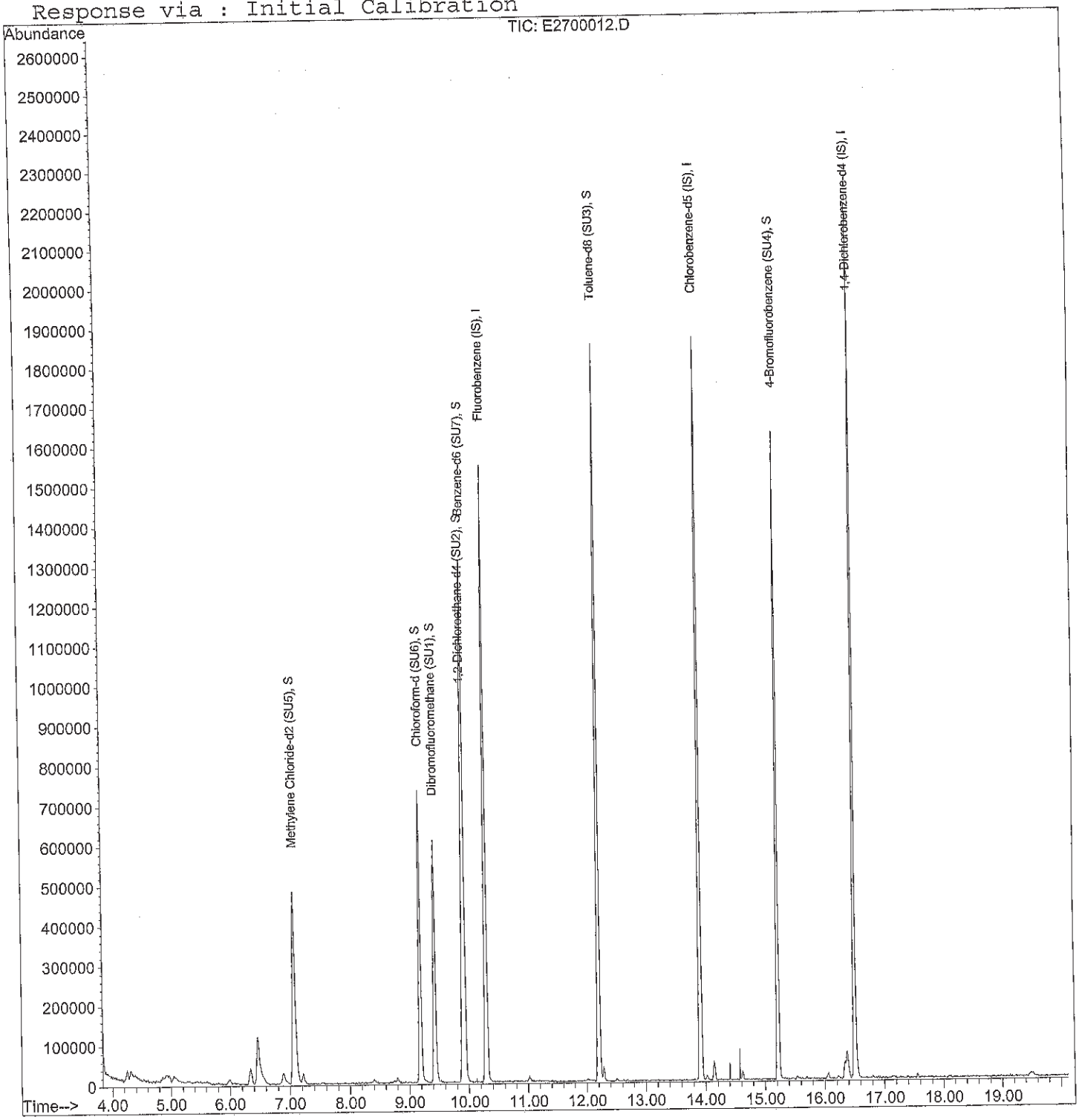
Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700012.D
Acq On : 27 May 2014 3:05 pm
Sample : 3E42701-09
Misc : 100cc SVL-512-SA5D-SV-5.0-6.0
MS Integration Params: rteint.p
Quant Time: May 27 15:29 19114

Vial: 3
Operator: DN
Inst : GC/MS Ins
Multiplr: 10.00

Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700013.D Vial: 4
Acq On : 27 May 2014 3:35 pm Operator: DN
Sample : 3E42701-10 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:09 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1519594	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1165882	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	627293	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	429643	11.33	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.64%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	420567	11.67	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.36%			
39) Toluene-d8 (SU3)	12.21	98	1328718	12.22	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.76%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	632605	13.27	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.16%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	659	0.18	~~ug/L~~ #	44
4) Chloromethane	4.40	50	5002	0.74	~~ug/L~~ #	54
6) Bromomethane	5.05	96	4745	1.06	~~ug/L~~	96
7) Chloroethane	5.38	64	585	1.15	~~ug/L~~	96
9) (F113) 1,1,2-Trichloro-tri	6.35	151	14858	4.97	ug/L	96
11) Acetone	6.46	58	10313	13.53	~~ug/L~~	99
12) (IPA) Leak Check Compound	6.46	45	242083	1325.75	~~ug/L~~ #	85
13) Carbon disulfide	6.84	76	40965	3.24	~~ug/L~~	100
14) Methylene Chloride	7.06	84	5752	1.38	~~ug/L~~ #	1
15) (TBA) tert-Butanol	7.15	59	608	2.35	~~ug/L~~ #	77
22) (DIPE) Diisopropyl Ether	8.09	45	302	0.03	~~ug/L~~ #	48
24) Chloroform	9.22	83	1421	0.18	~~ug/L~~ #	1
25) (ETBE) 2-ethoxy 2-methyl p	8.37	59	556	0.05	~~ug/L~~ #	44
31) Benzene	9.98	78	15569	1.09	~~ug/L~~ #	79
32) 1,2-Dichloroethane	9.93	62	5923	1.17	~~ug/L~~ #	1
34) 1,2-Dichloropropane	11.03	63	277	0.08	~~ug/L~~ #	44
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	293	0.13	~~ug/L~~	100
41) Toluene	12.28	91	127014	7.99	ug/L	98
42) trans-1,3-Dichloropropene	12.28	75	353	0.07	~~ug/L~~ #	1
46) 2-Hexanone	12.99	43	626	0.25	~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	17785	0.98	ug/L	99
52) m,p-Xylenes	14.14	106	22792	3.55	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700013.D Vial: 4
Acq On : 27 May 2014 3:35 pm Operator: DN
Sample : 3E42701-10 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:09 19114 Quant Results File: MW111313.RES

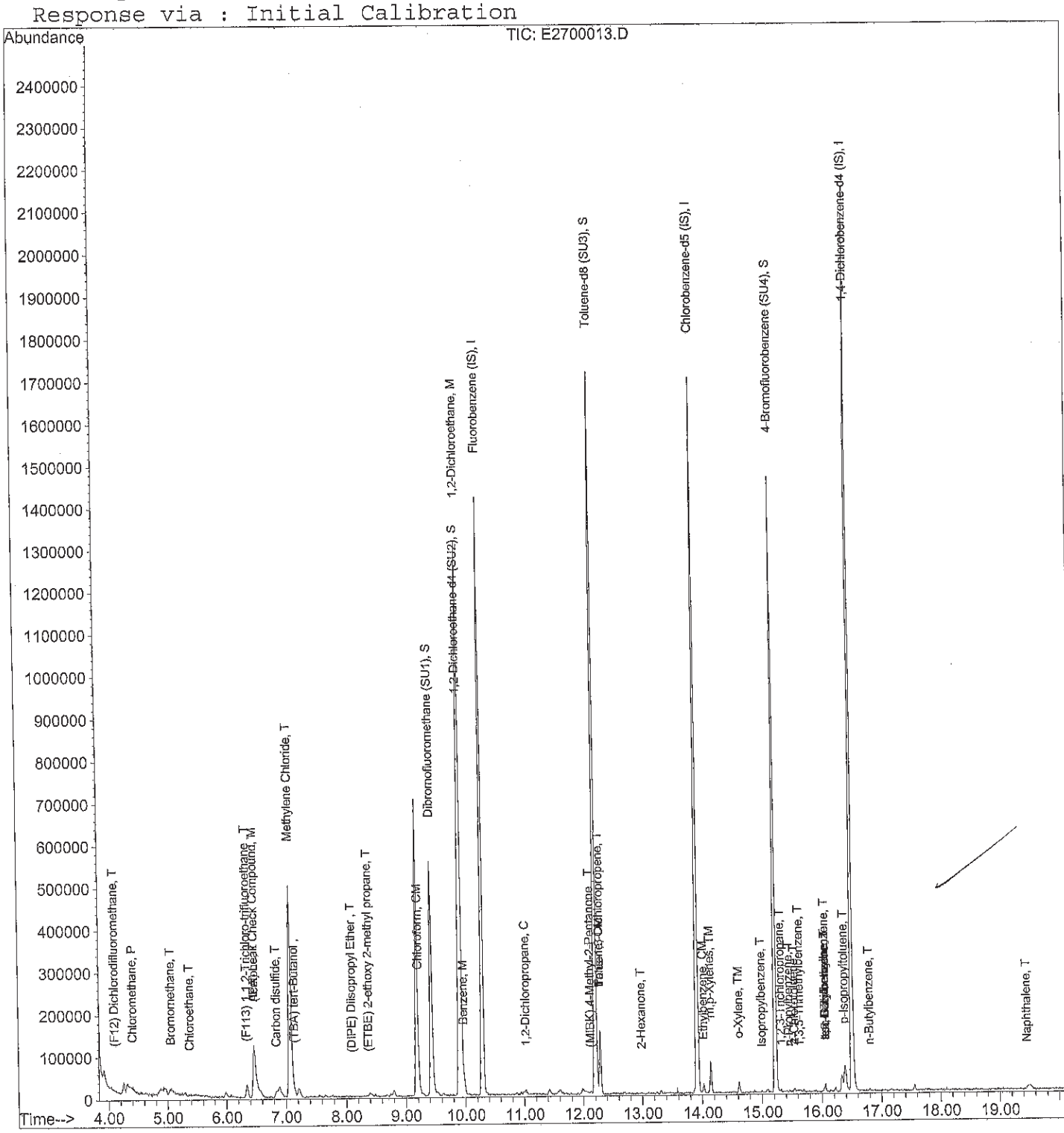
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

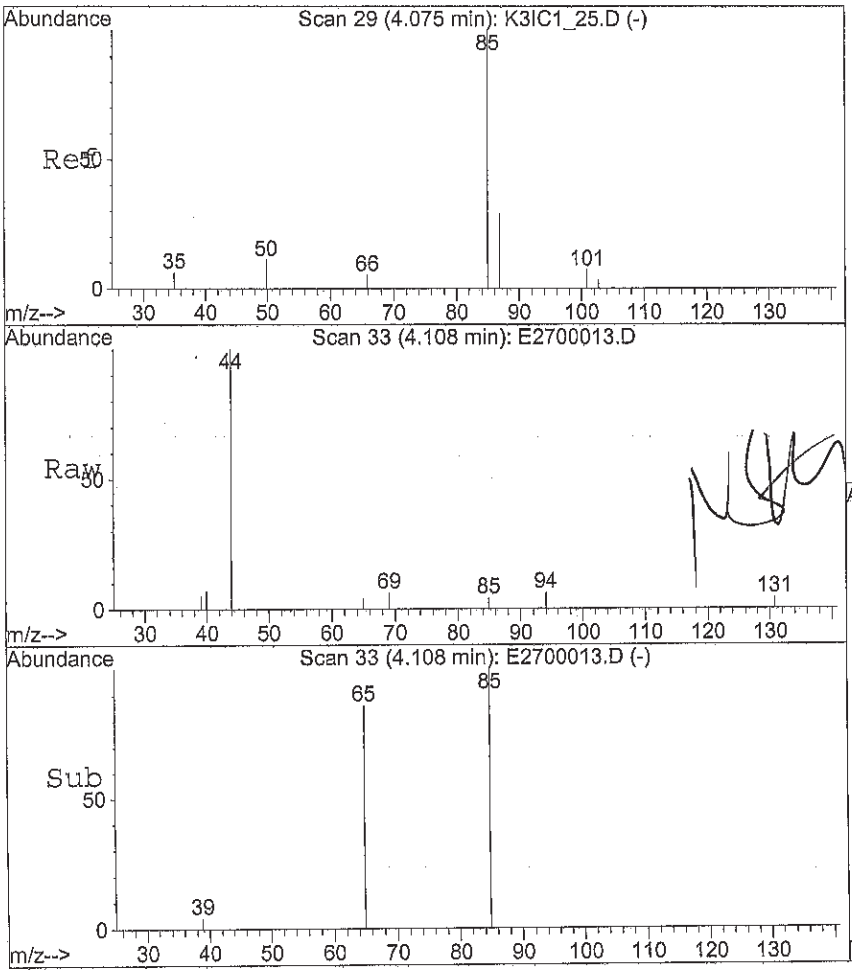
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
53) o-Xylene	14.62	106	5633	0.89 ug/L	64
54) Styrene	14.63	104	1824	-0.67 ug/L #	17
56) Isopropylbenzene	15.00	105	516	0.03 ug/L #	55
57) 1,2,3-Trichloropropane	15.32	75	276	0.06 ug/L #	36
62) n-Propylbenzene	15.45	91	3582	0.14 ug/L #	56
63) 2-Chlorotoluene	15.54	91	298	0.02 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.62	105	1946	0.12 ug/L #	55
65) 4-Chlorotoluene	15.54	91	298	0.02 ug/L #	44
66) tert-Butylbenzene	16.05	119	430	0.03 ug/L #	86
67) 1,2,4-Trimethylbenzene	16.06	105	7134	0.44 ug/L	87
68) sec-Butylbenzene	16.06	105	7134	0.34 ug/L #	62
69) p-Isopropyltoluene	16.37	119	1248	0.07 ug/L #	52
72) n-Butylbenzene	16.80	91	332	0.02 ug/L #	30
77) Naphthalene	19.46	128	359	0.03 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700013.D Vial: 4
Acq On : 27 May 2014 3:35 pm Operator: DN
Sample : 3E42701-10 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:09 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

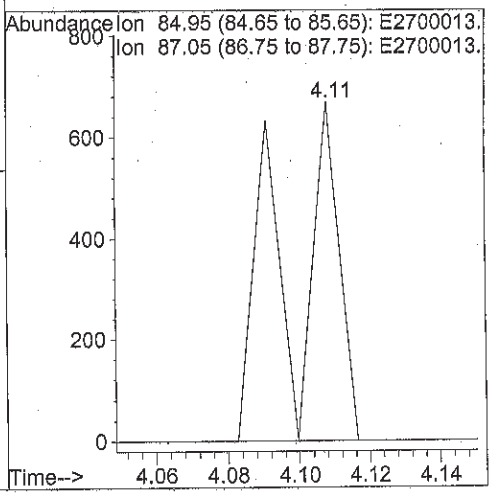


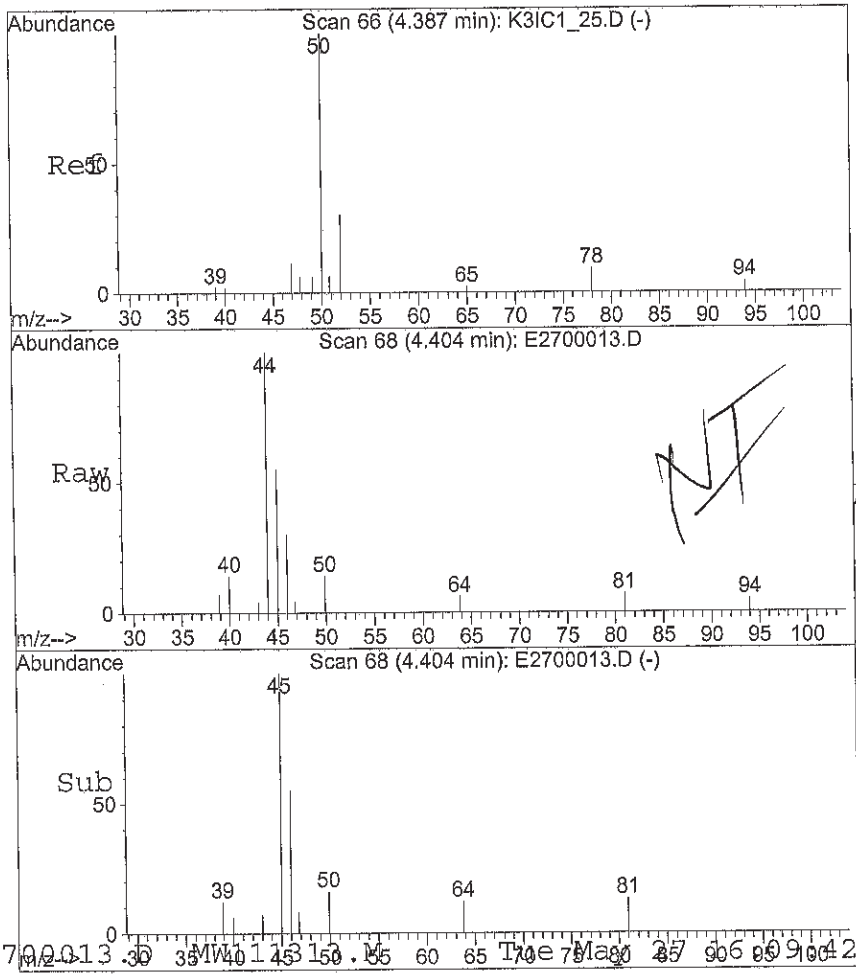


#3
(F12) Dichlorodifluoromethane
Concen: 0.18 ug/L
RT: 4.11 min Scan# 33
Delta R.T. 0.03 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 85 Resp: 659

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

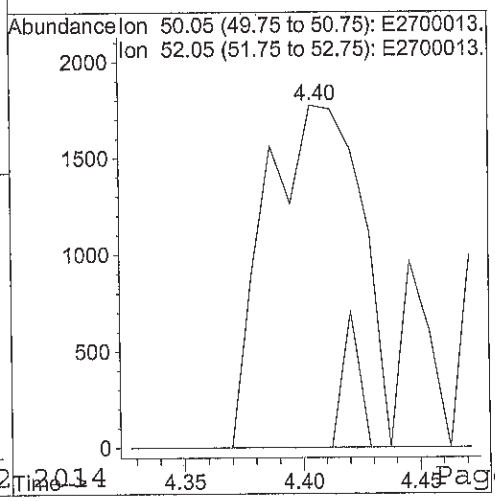


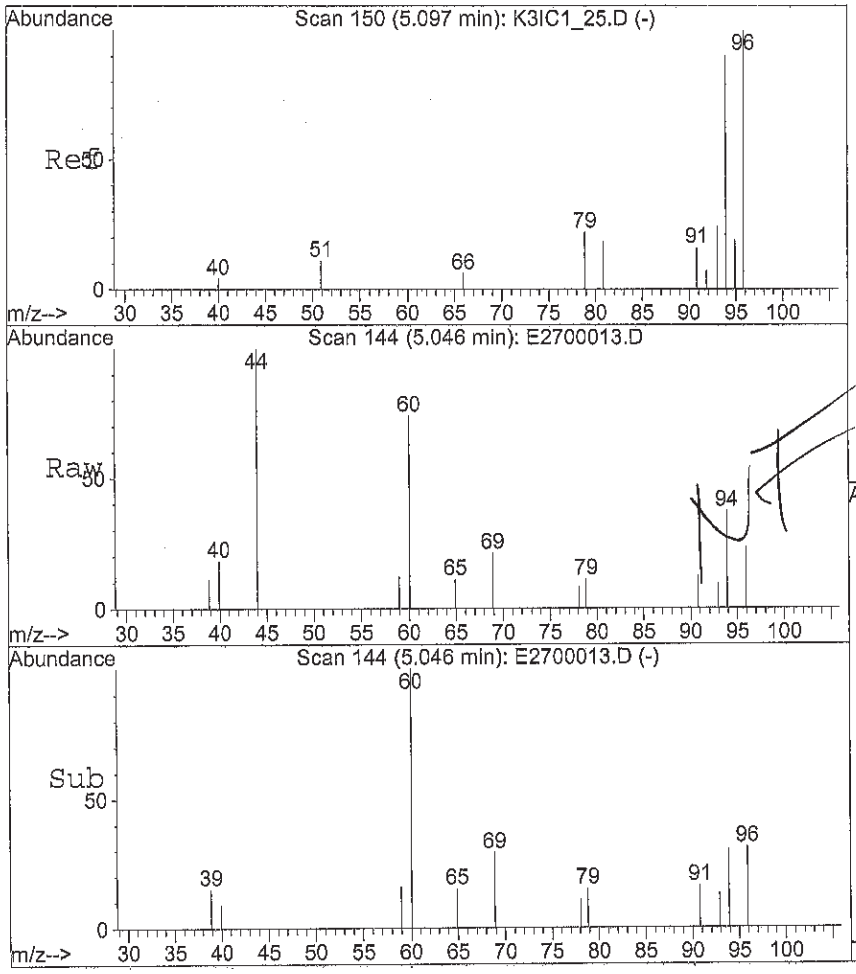


#4
Chloromethane
Concen: 0.74 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 50 Resp: 5002

Ion	Ratio	Lower	Upper
50	100		
52	7.2	26.9	40.3#

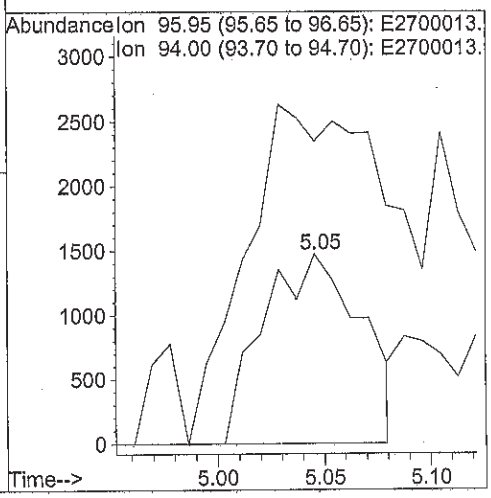


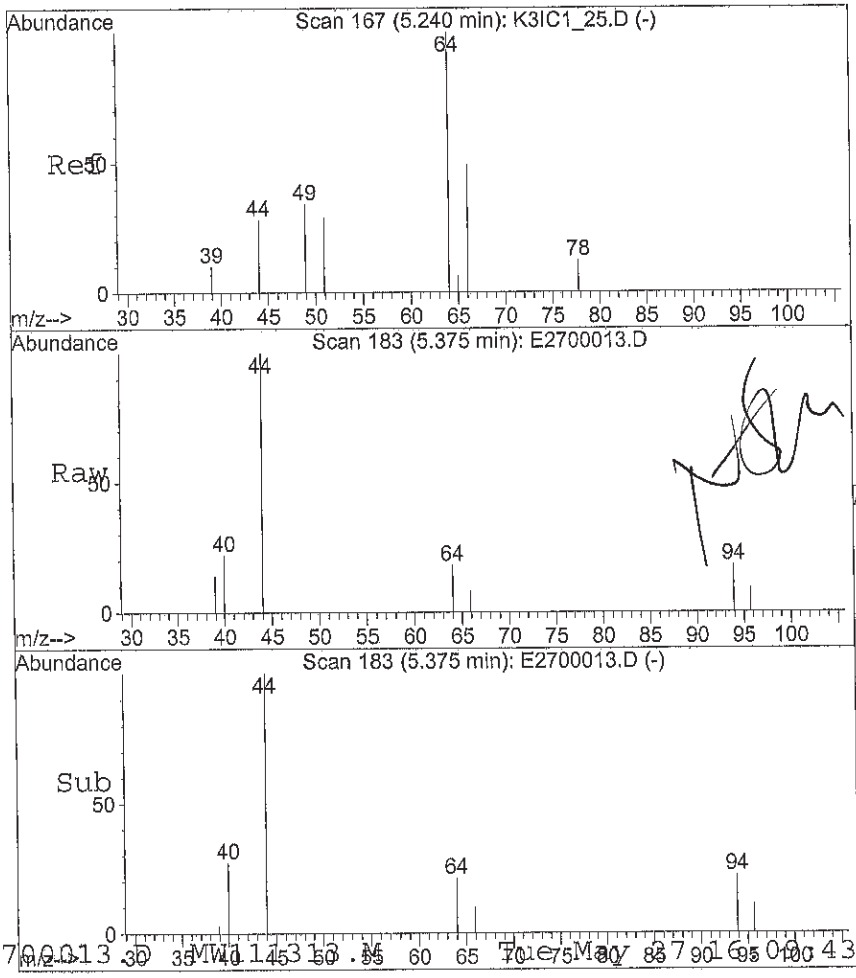


#6
Bromomethane
Concen: 1.06 ug/L
RT: 5.05 min Scan# 144
Delta R.T. -0.05 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 96 Resp: 4745

Ion	Ratio	Lower	Upper
96	100		
94	130.3	101.0	151.4

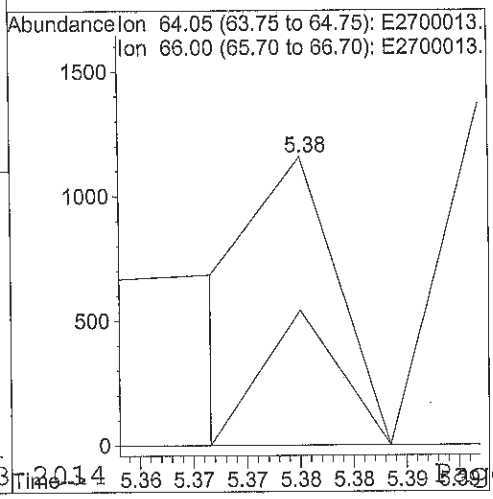


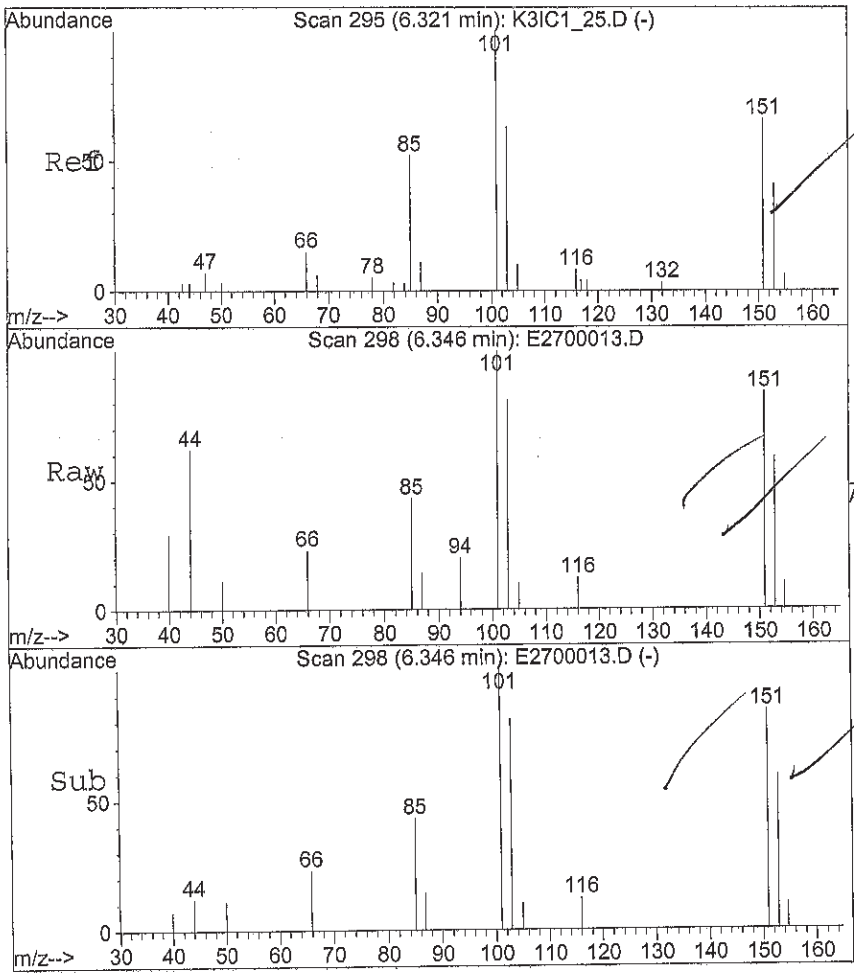


#7
Chloroethane
Concen: 1.15 ug/L
RT: 5.38 min Scan# 183
Delta R.T. 0.14 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 64 Resp: 585

Ion	Ratio	Lower	Upper
64	100		
66	46.8	35.4	53.0

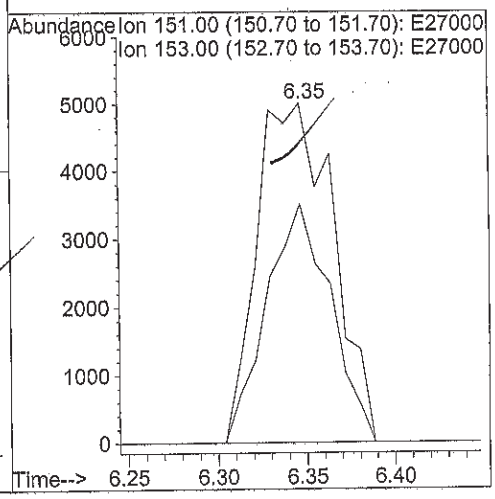


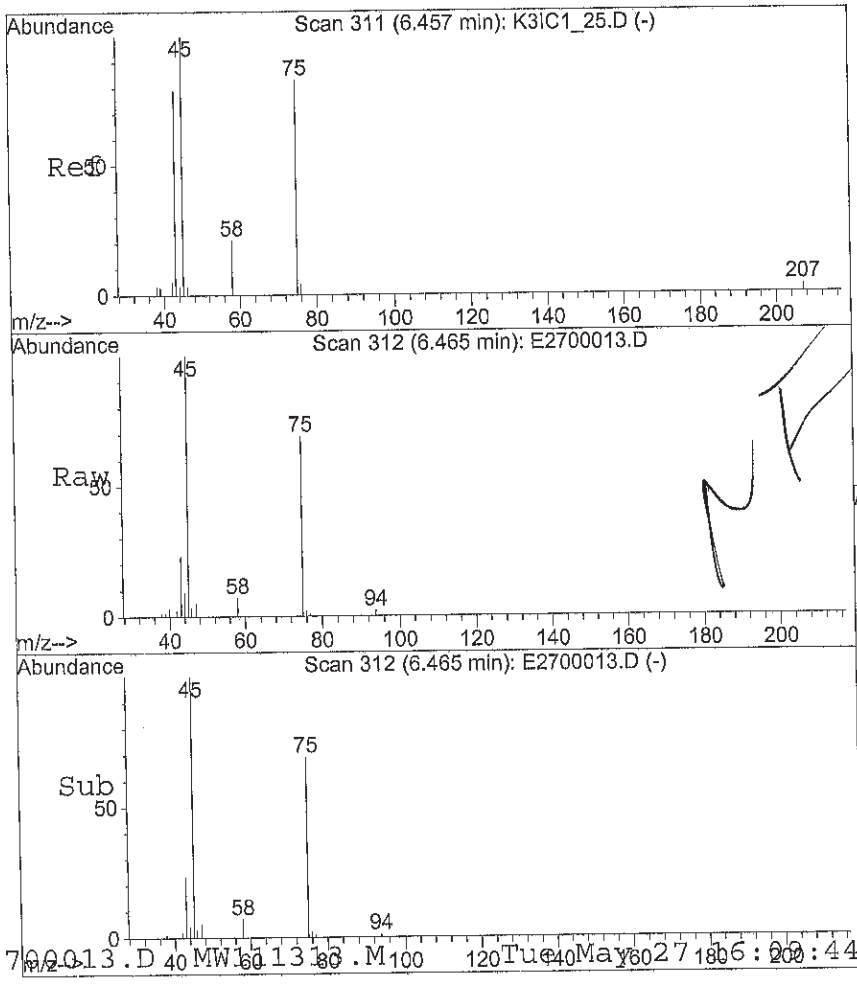


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 4.97 ug/L
RT: 6.35 min Scan# 298
Delta R.T. 0.03 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:151 Resp: 14858

Ion	Ratio	Lower	Upper
151	100		
153	59.0	49.6	74.4

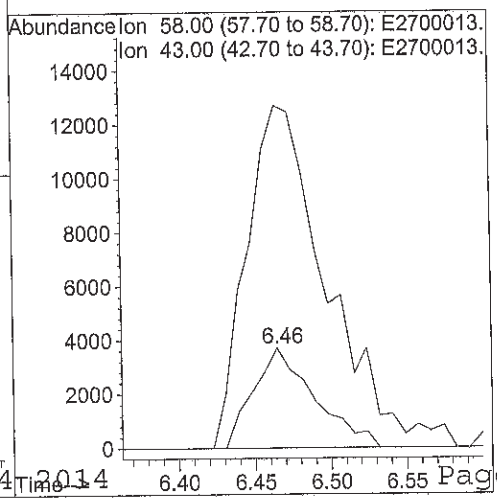


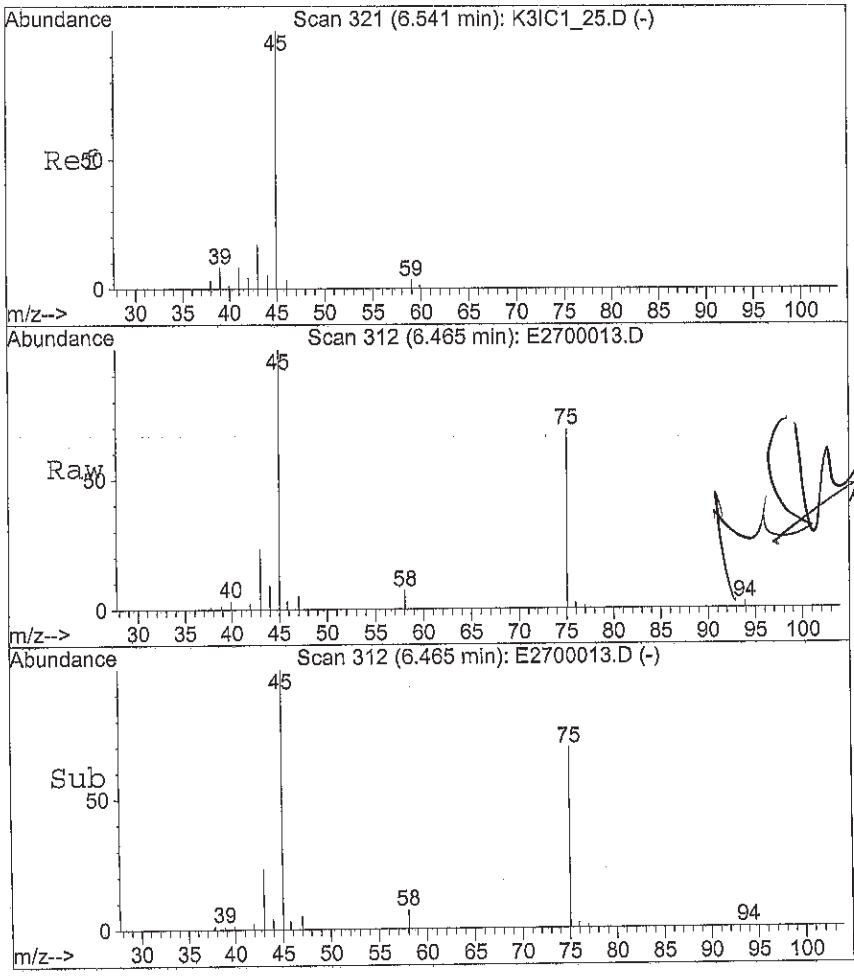


#11
Acetone
Concen: 13.53 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 58 Resp: 10313

Ion	Ratio	Lower	Upper
58	100		
43	452.6	360.9	541.3

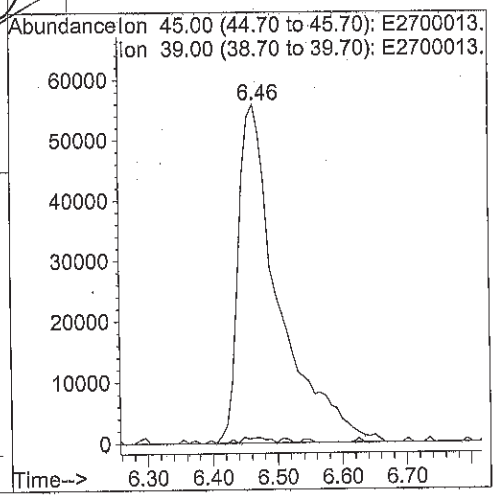


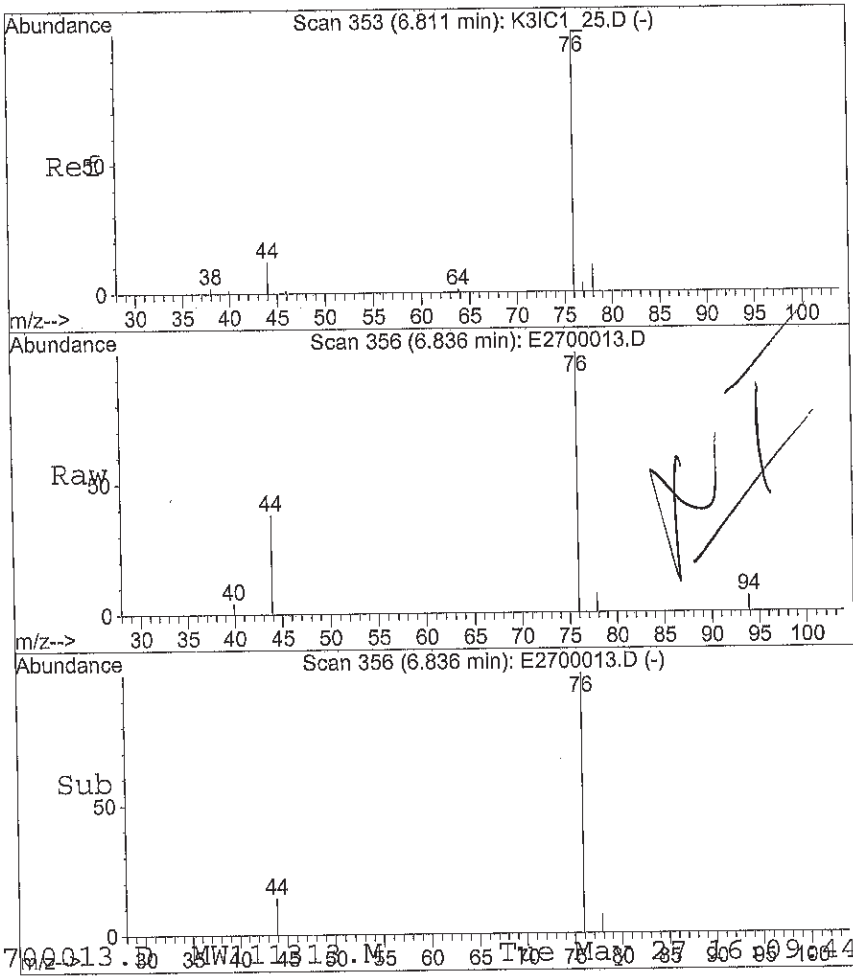


#12
(IPA) Leak Check Compound
Concen: 1325.75 ug/L
RT: 6.46 min Scan# 312
Delta R.T. -0.08 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 45 Resp: 242083

Ion	Ratio	Lower	Upper
45	100		
39	1.1	4.9	7.3#

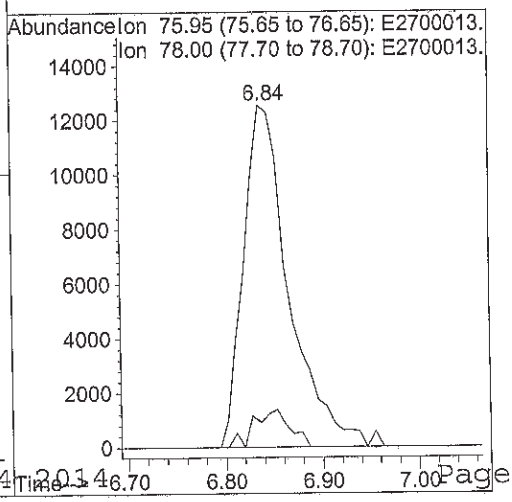


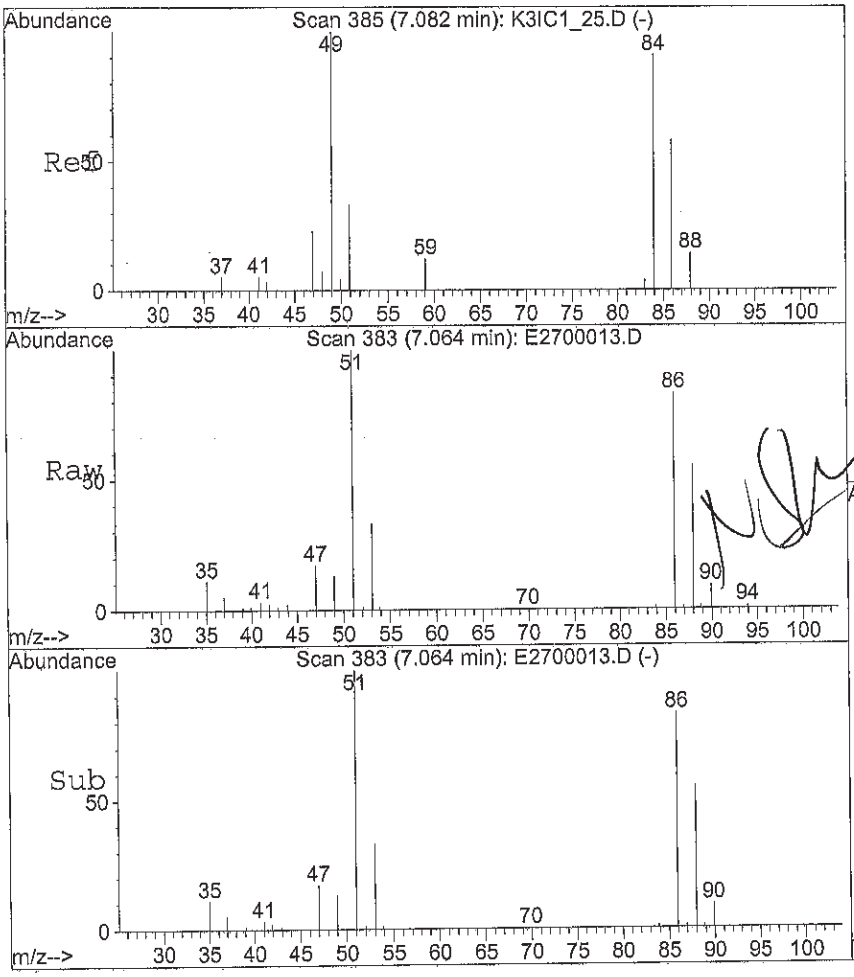


#13
Carbon disulfide
Concen: 3.24 ug/L
RT: 6.84 min Scan# 356
Delta R.T. 0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 76 Resp: 40965

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

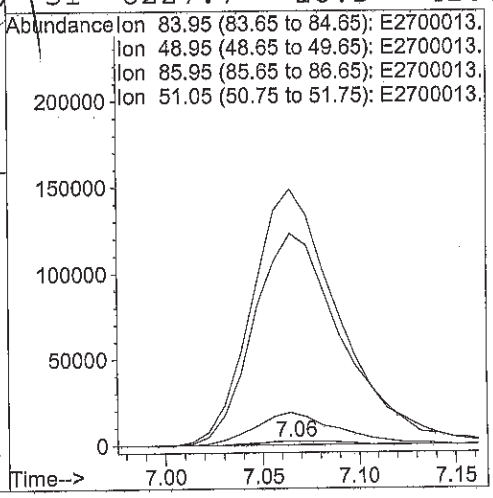


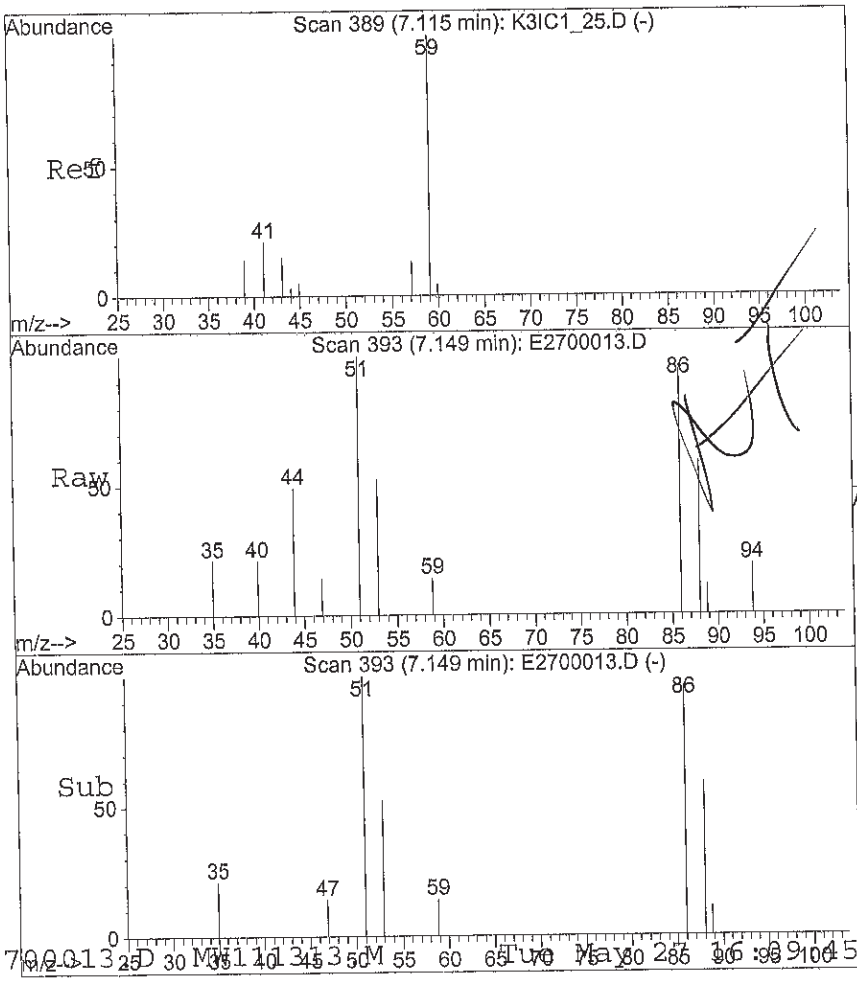


#14
Methylene Chloride
Concen: 1.38 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 84 Resp: 5752

Ion	Ratio	Lower	Upper
84	100		
49	956.8	89.8	134.6#
86	6953.1	51.1	76.7#
51	8227.7	28.5	42.7#

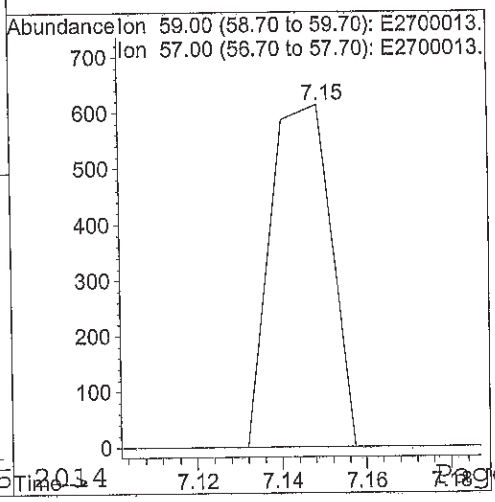


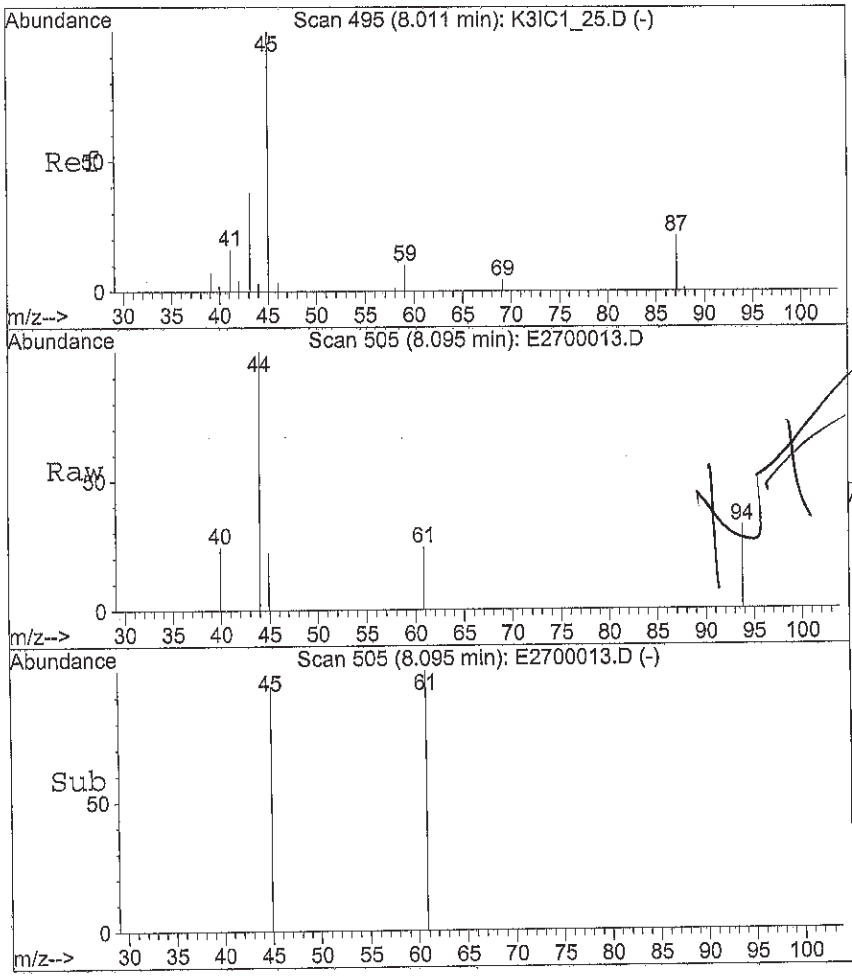


#15
(TBA) tert-Butanol
Concen: 2.35 ug/L
RT: 7.15 min Scan# 393
Delta R.T. 0.03 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 59 Resp: 608

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

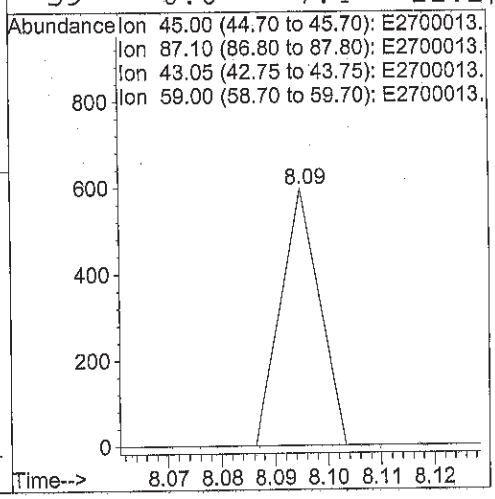


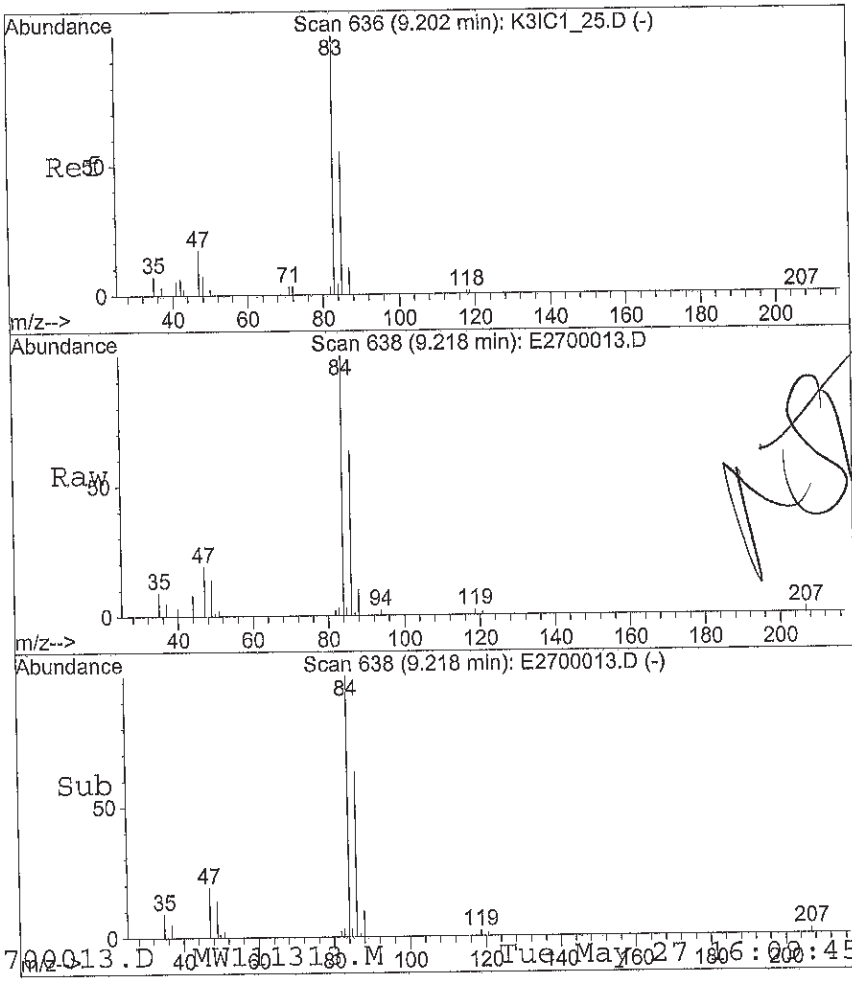


#22
(DIPE) Diisopropyl Ether
Concen: 0.03 ug/L
RT: 8.09 min Scan# 505
Delta R.T. 0.08 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 45 Resp: 302

Ion	Ratio	Lower	Upper
45	100		
87	0.0	17.0	25.6#
43	0.0	30.5	45.7#
59	0.0	7.4	11.2#

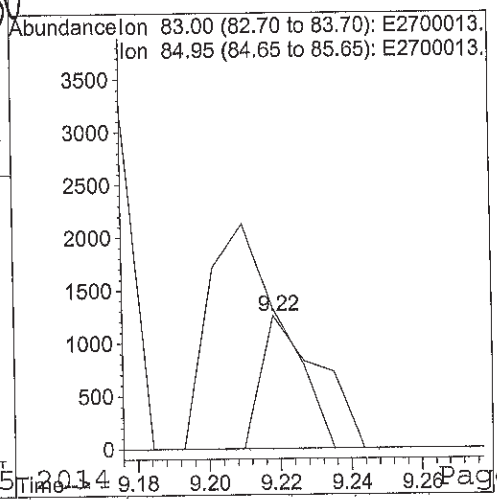


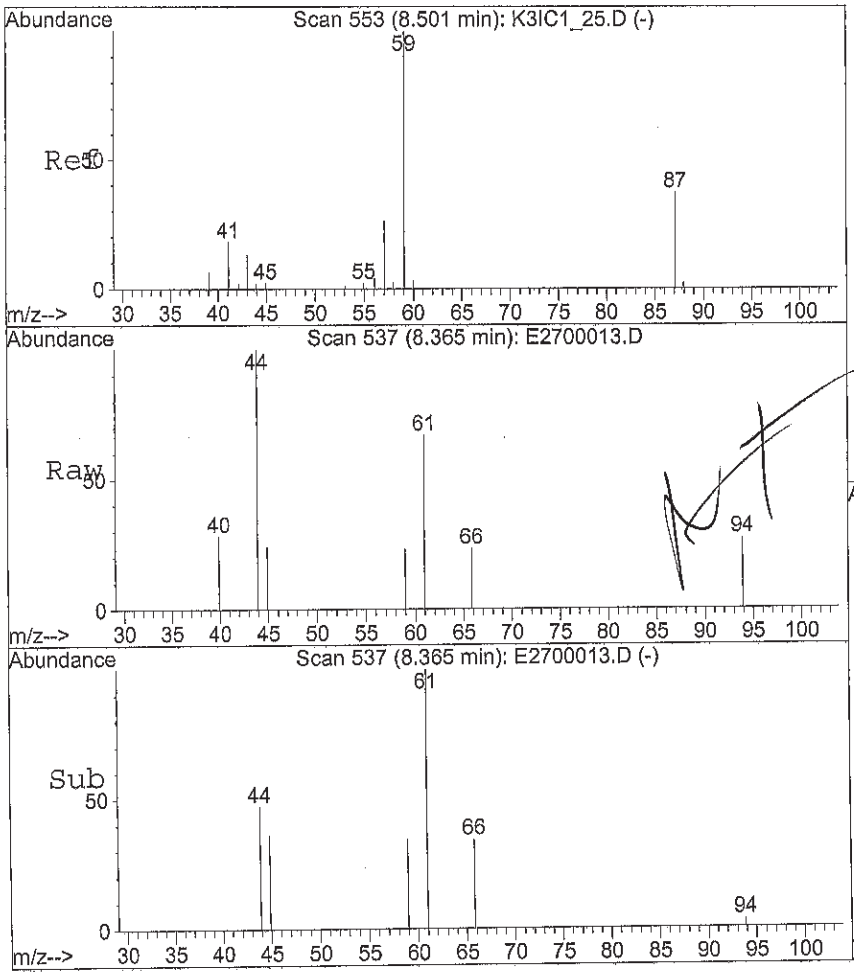


#24
Chloroform
Concen: 0.18 ug/L
RT: 9.22 min Scan# 638
Delta R.T. 0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 83 Resp: 1421

Ion	Ratio	Lower	Upper
83	100		
85	212.0	51.8	77.6#

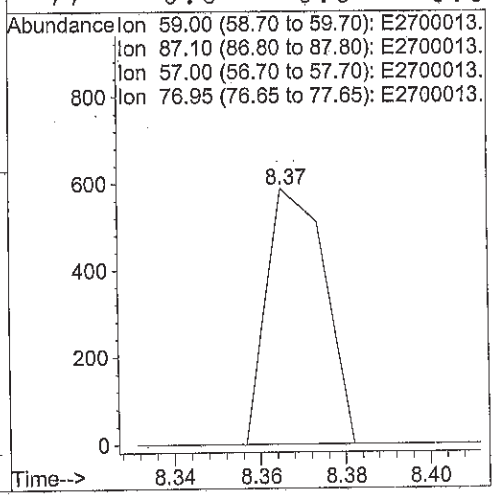


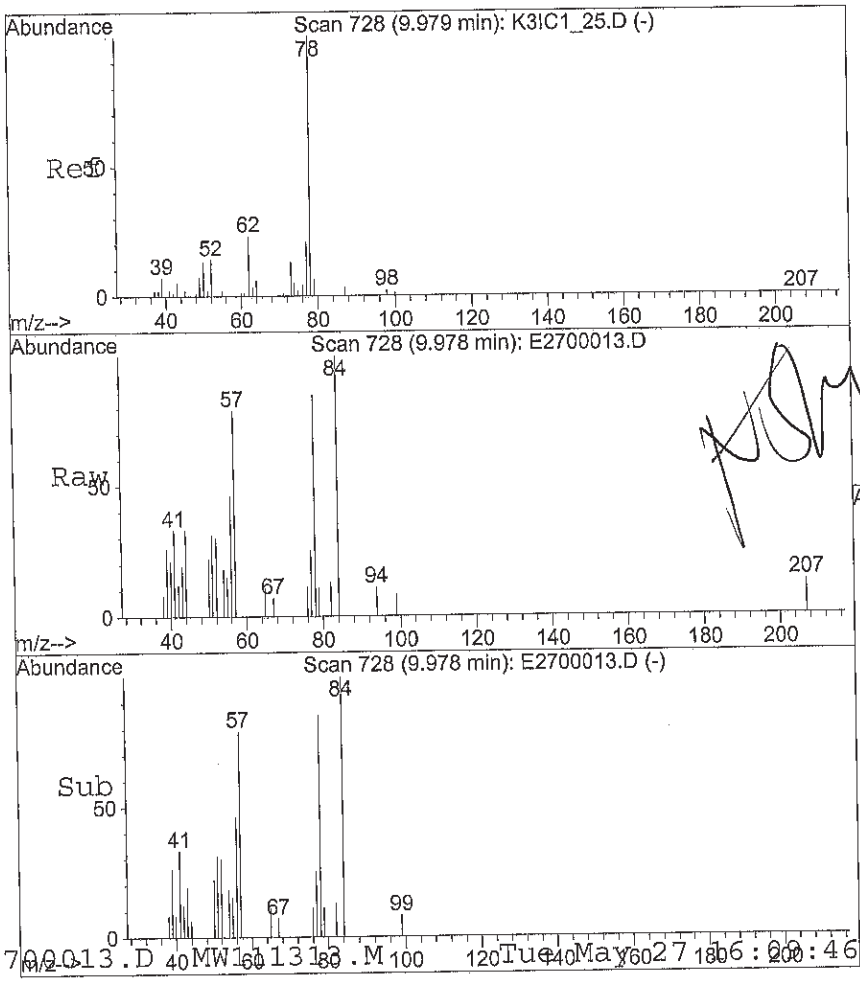


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.05 ug/L
RT: 8.37 min Scan# 537
Delta R.T. -0.14 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 59 Resp: 556

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

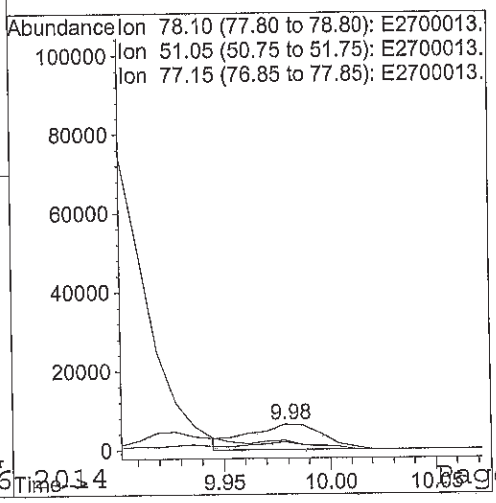


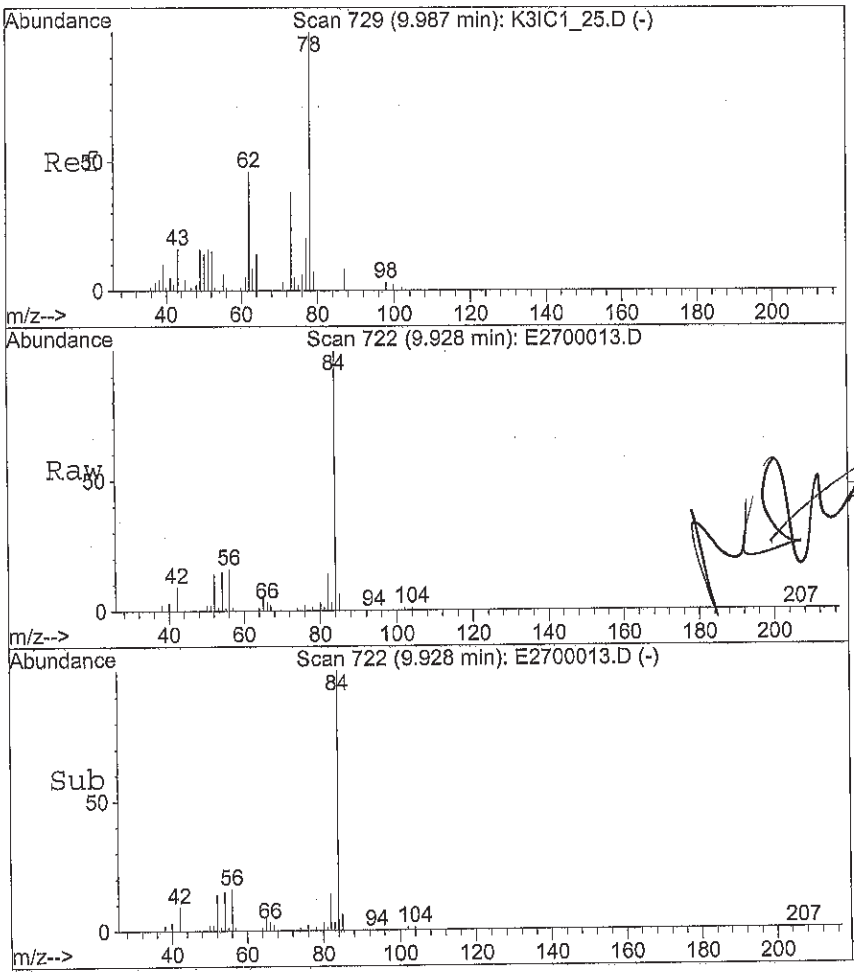


#31
Benzene
Concen: 1.09 ug/L
RT: 9.98 min Scan# 728
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 78 Resp: 15569

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	23.2	16.6	24.8

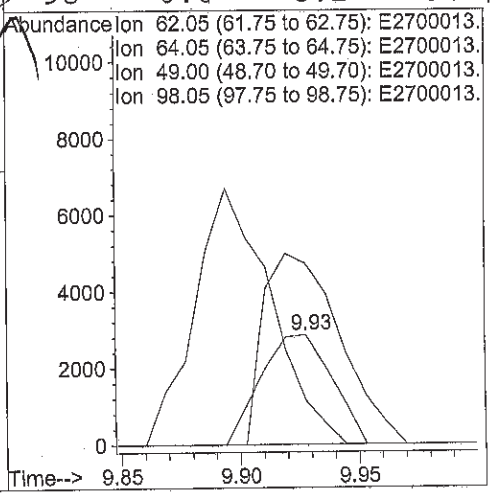


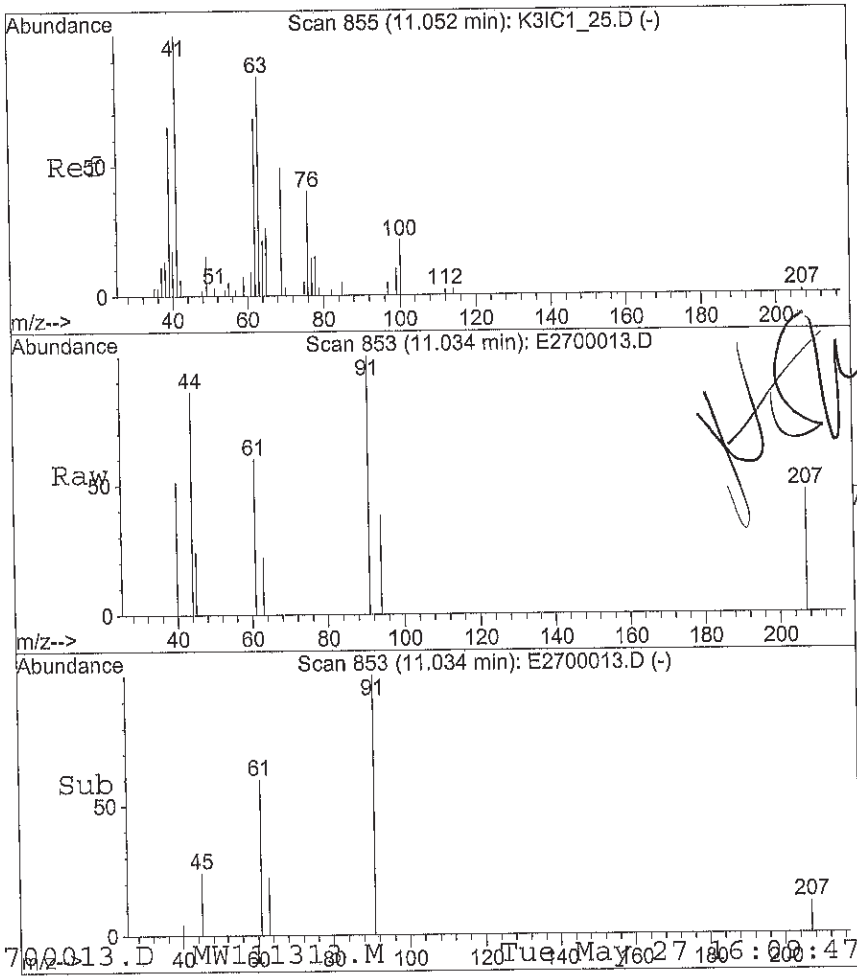


#32
1,2-Dichloroethane
Concen: 1.17 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 62 Resp: 5923

Ion	Ratio	Lower	Upper
62	100		
64	187.6	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

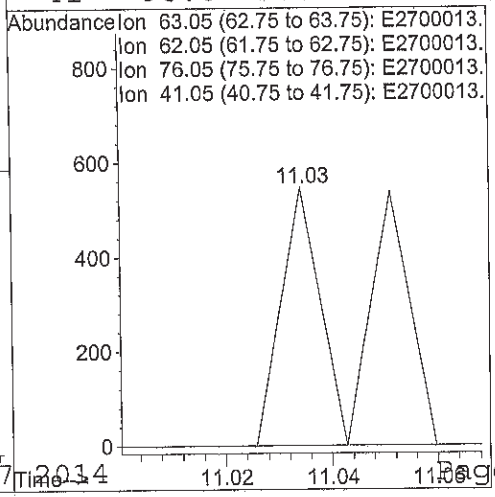


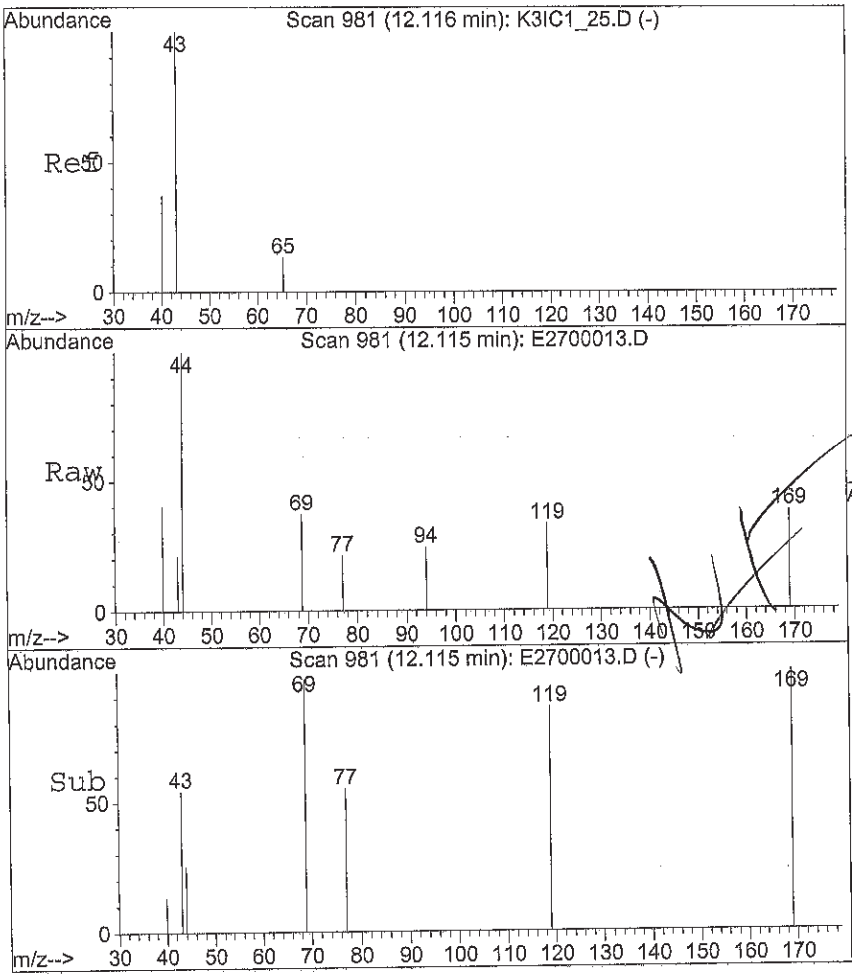


#34
1,2-Dichloropropane
Concen: 0.08 ug/L
RT: 11.03 min Scan# 853
Delta R.T. -0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 63 Resp: 277

Ion	Ratio	Lower	Upper
63	100		
62	0.0	67.4	101.2#
76	0.0	40.3	60.5#
41	98.6	103.0	154.6#

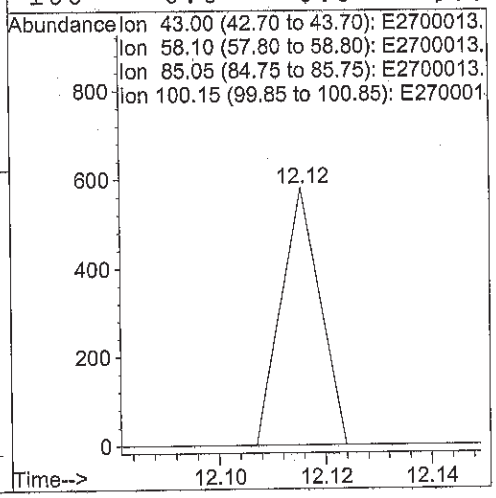


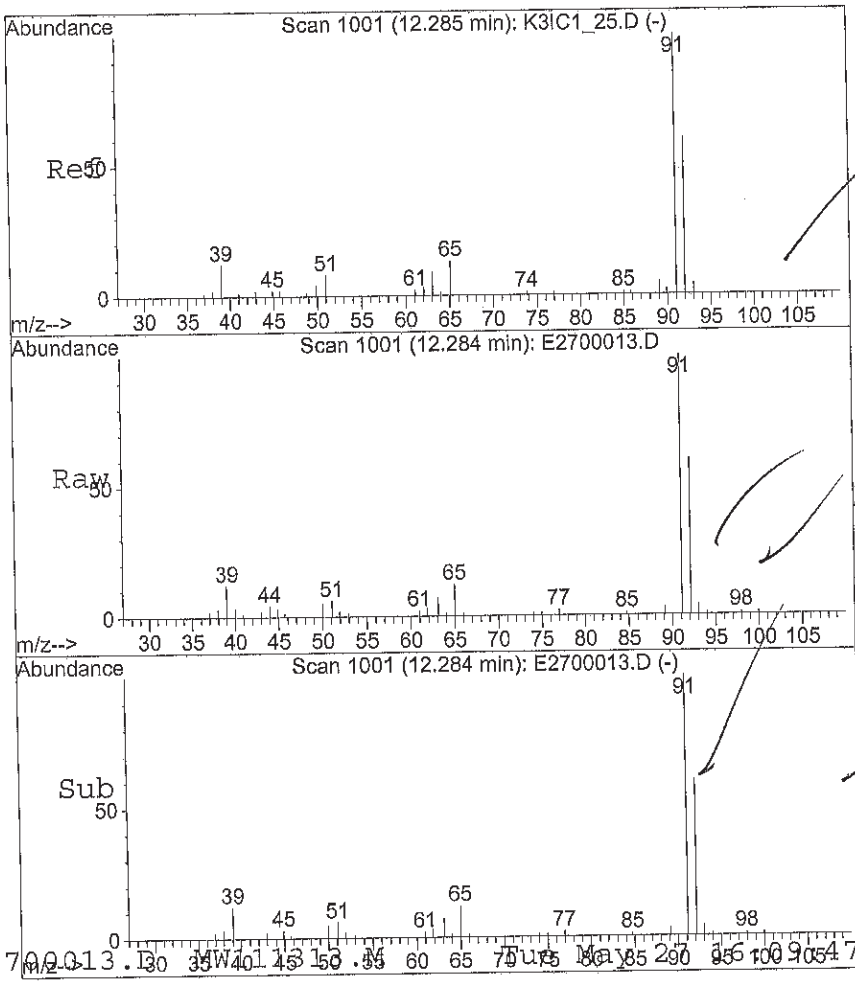


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 0.13 ug/L
RT: 12.12 min Scan# 981
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 43 Resp: 293

Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	0.0
85	0.0	0.0	0.0
100	0.0	0.0	0.0

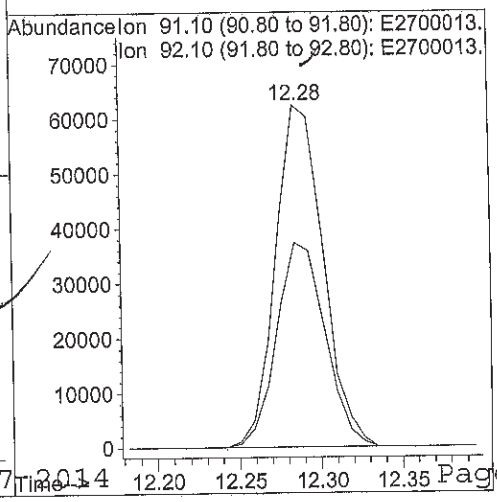


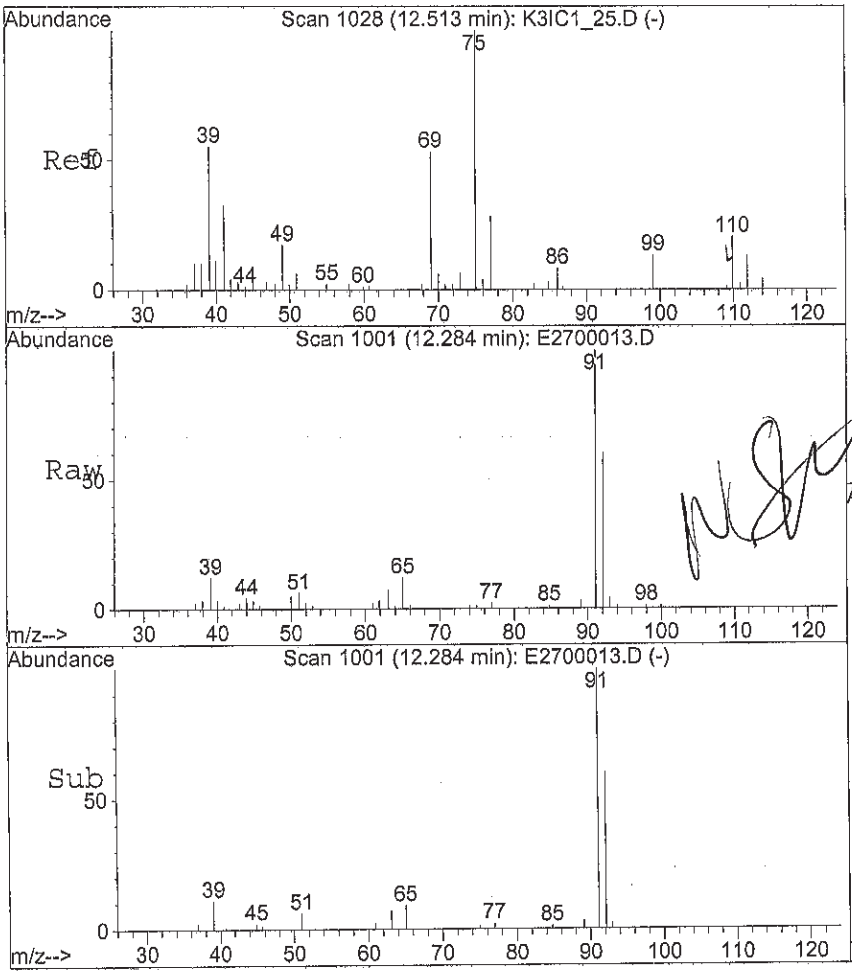


#41
Toluene
Concen: 7.99 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 127014

Ion	Ratio	Lower	Upper
91	100		
92	60.9	47.4	71.0

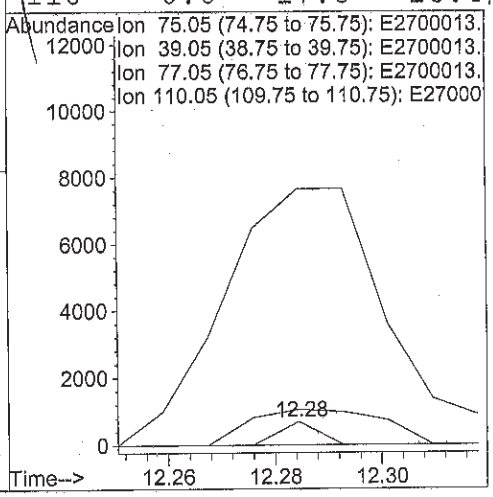


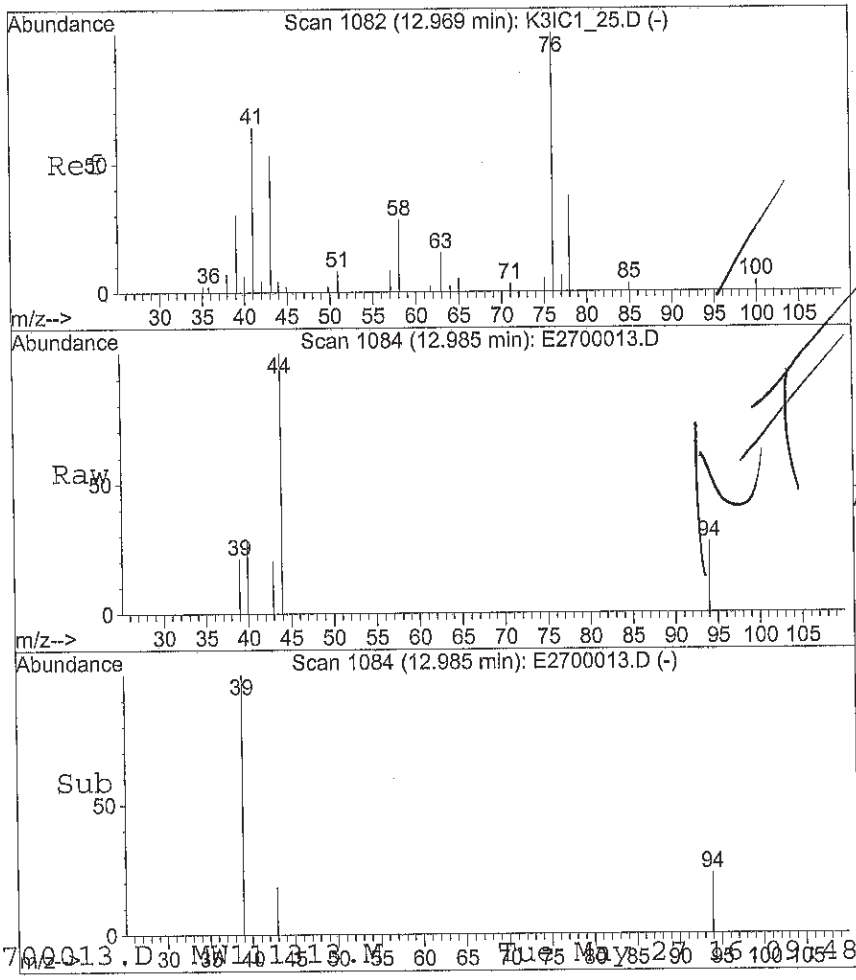


#42
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.23 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 75 Resp: 353

Ion	Ratio	Lower	Upper
75	100		
39	4655.5	53.6	80.4#
77	517.3	25.4	38.2#
110	0.0	17.6	26.4#

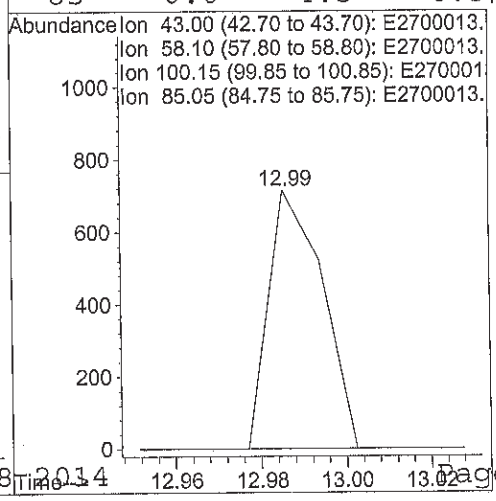


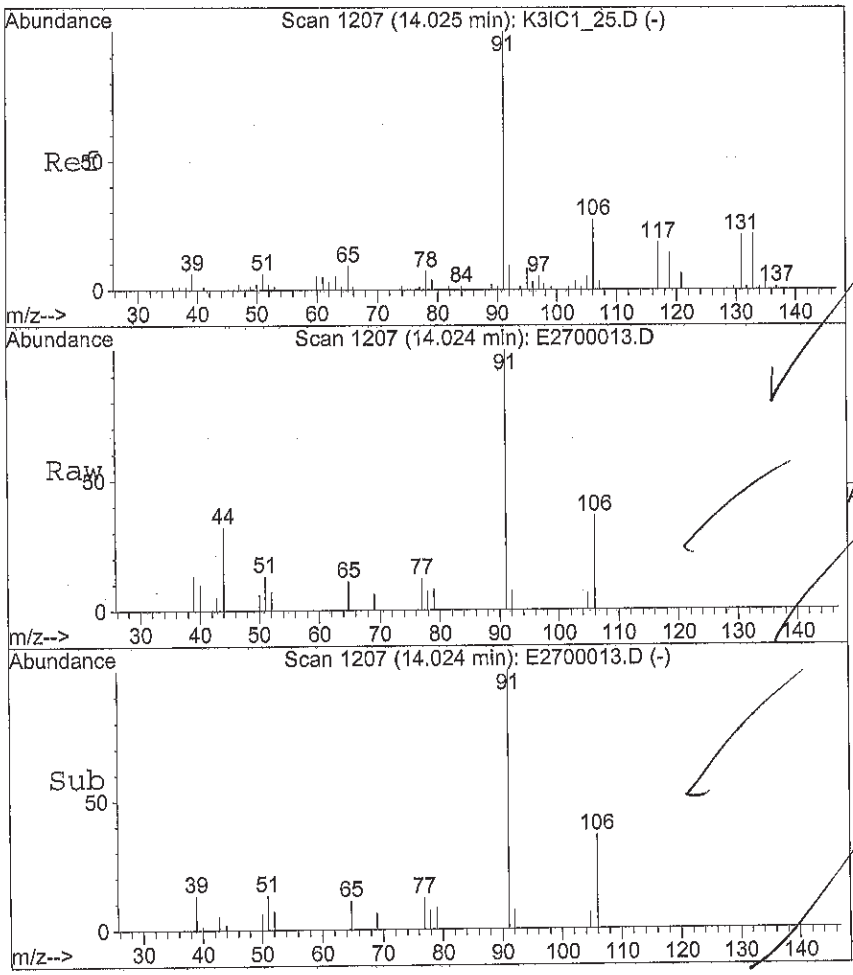


#46
2-Hexanone
Concen: 0.25 ug/L
RT: 12.99 min Scan# 1084
Delta R.T. 0.02 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 43 Resp: 626

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

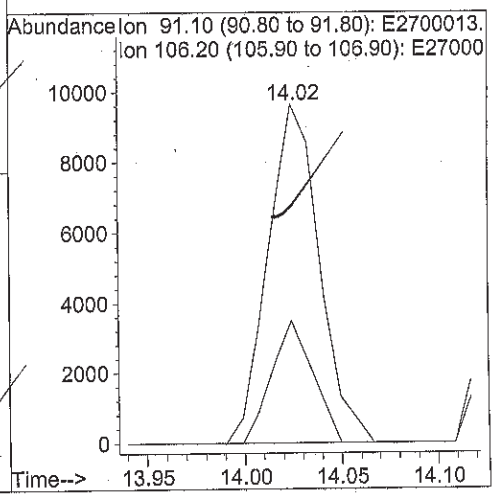


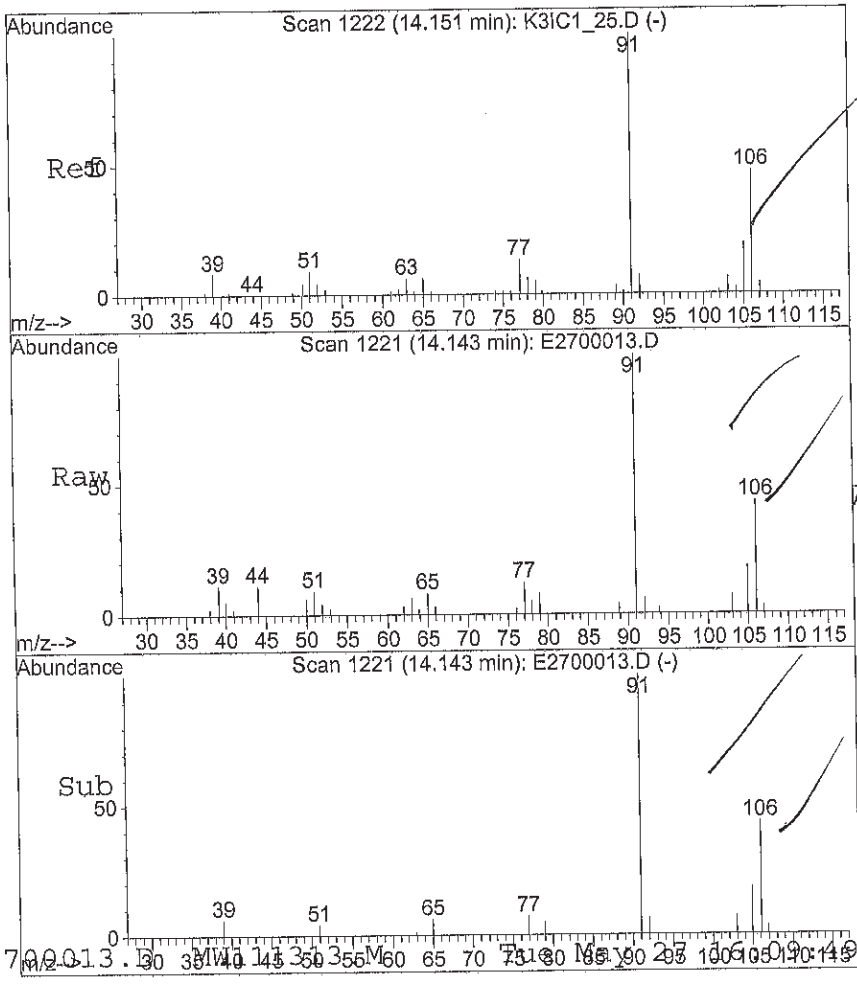


#51
Ethylbenzene
Concen: 0.98 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 17785

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.5	35.3

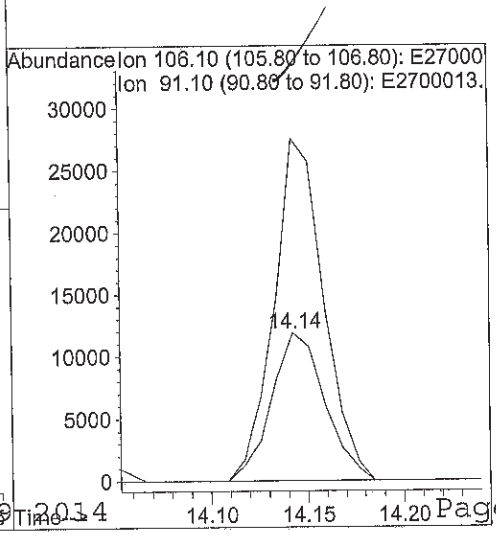


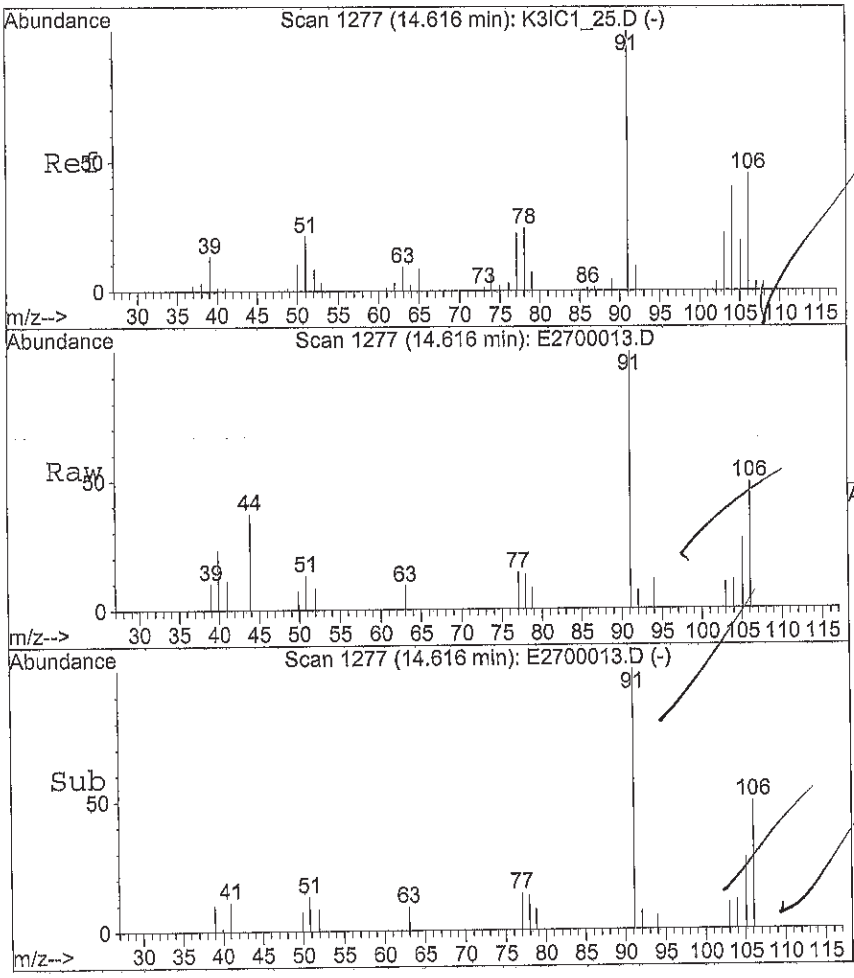


#52
m,p-Xylenes
Concen: 3.55 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:106 Resp: 22792

Ion	Ratio	Lower	Upper
106	100		
91	215.6	177.1	265.7

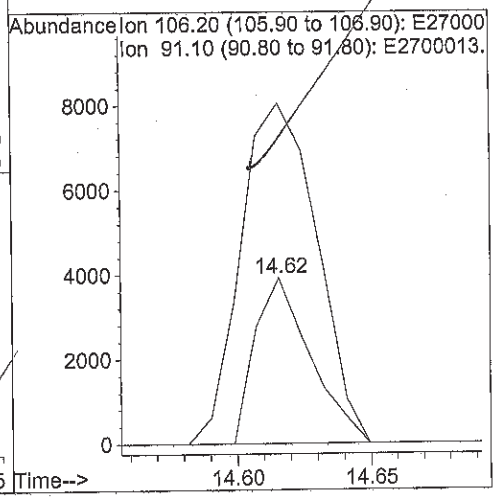


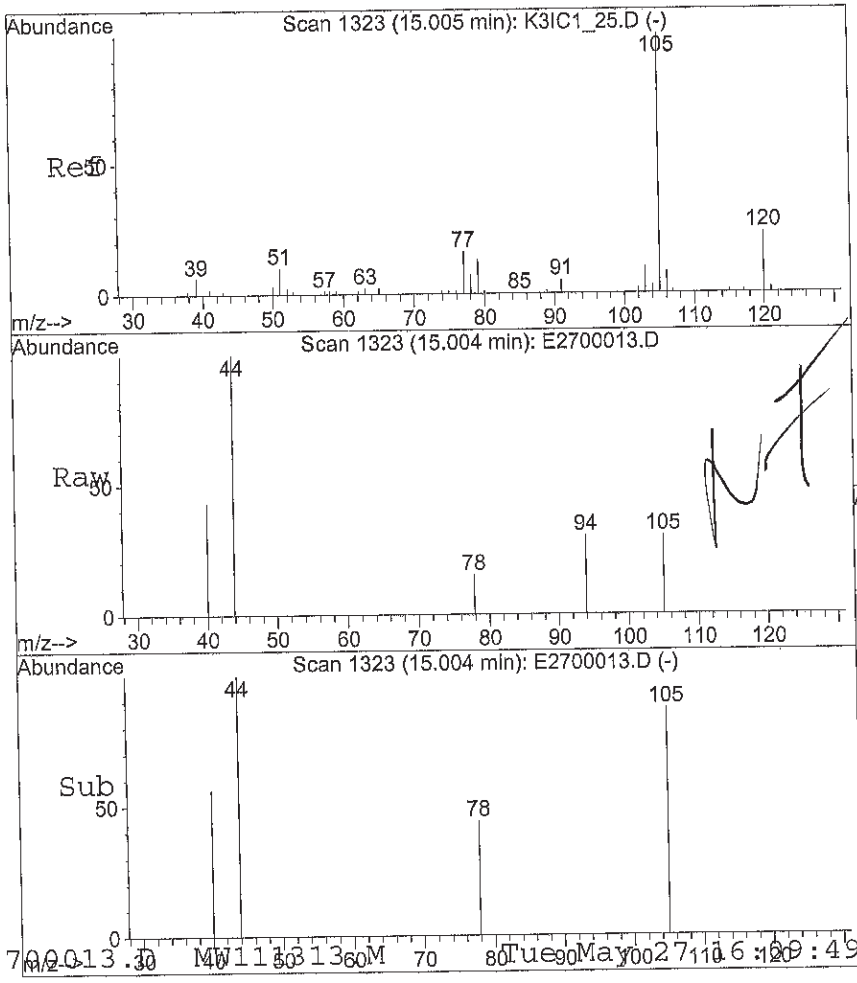


#53
o-Xylene
Concen: 0.89 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:106 Resp: 5633

Ion	Ratio	Lower	Upper
106	100		
91	281.9	179.0	268.6#

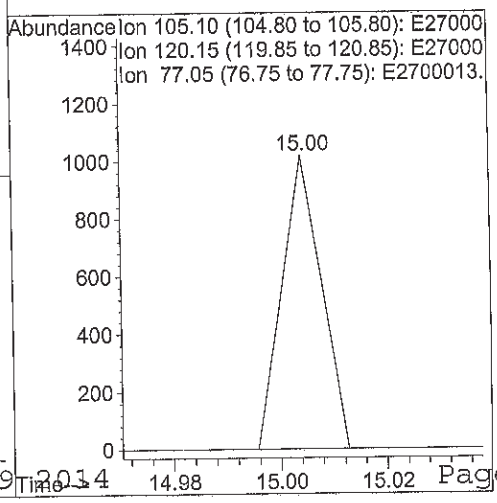


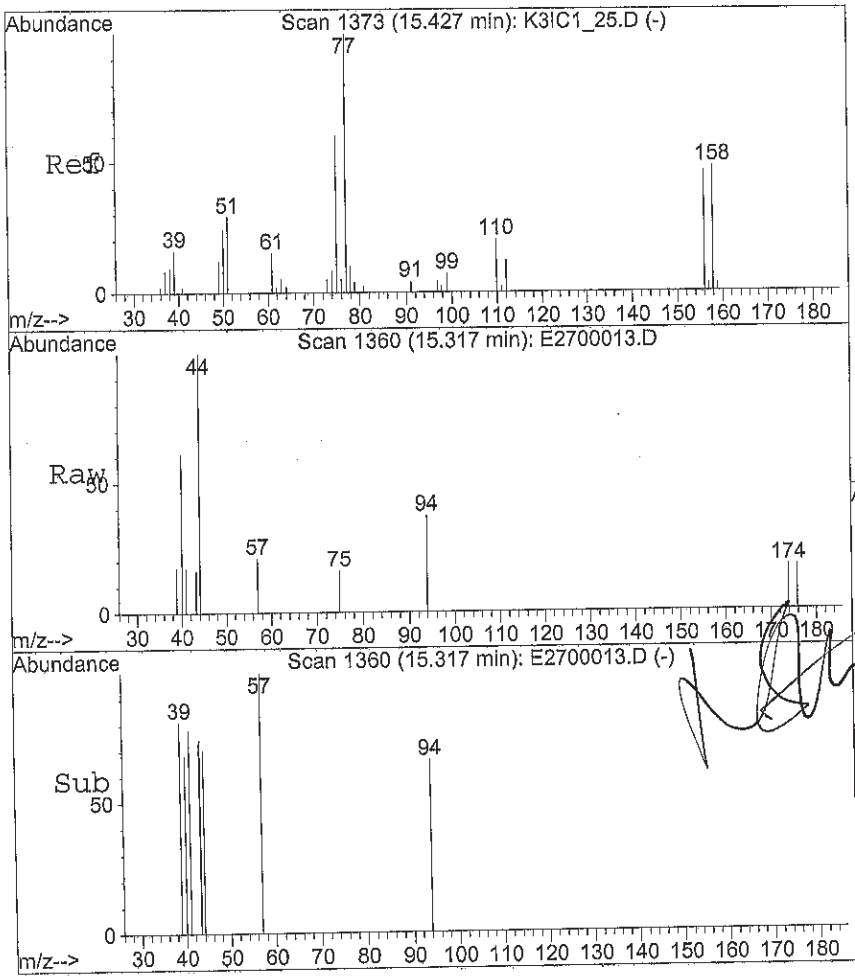


#56
Isopropylbenzene
Concen: 0.03 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:105 Resp: 516

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

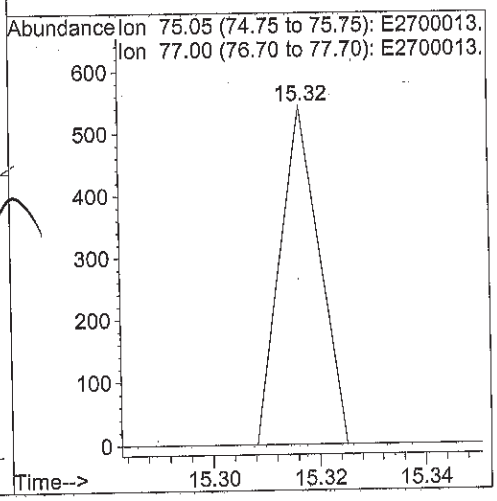


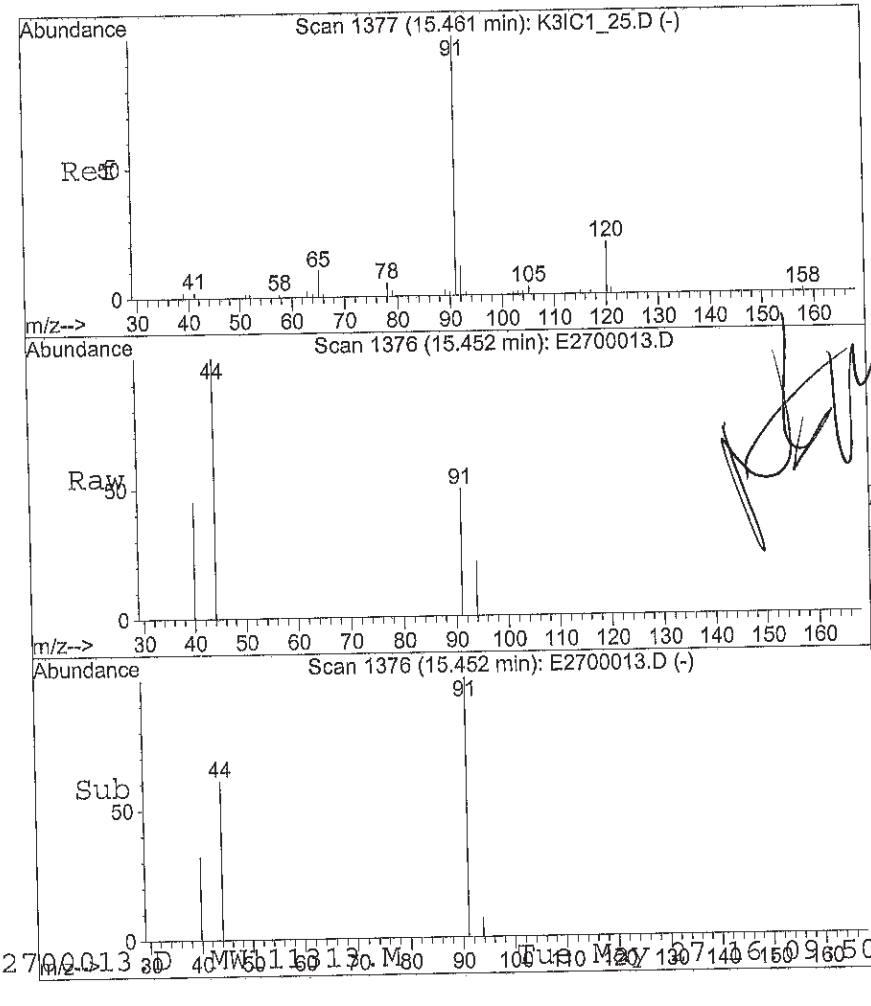


#57
1,2,3-Trichloropropane
Concen: 0.06 ug/L
RT: 15.32 min Scan# 1360
Delta R.T. -0.11 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 75 Resp: 276

Ion	Ratio	Lower	Upper
75	100		
77	0.0	31.2	46.8#

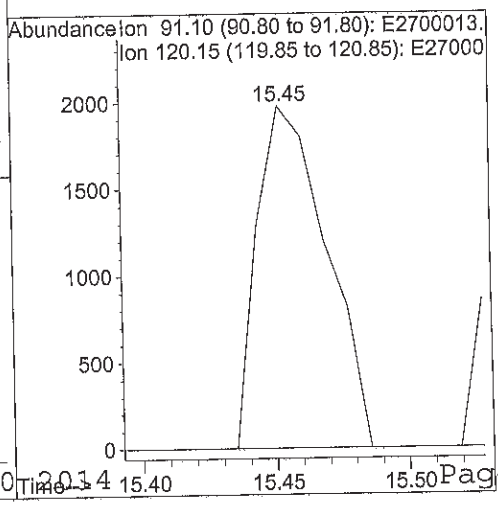


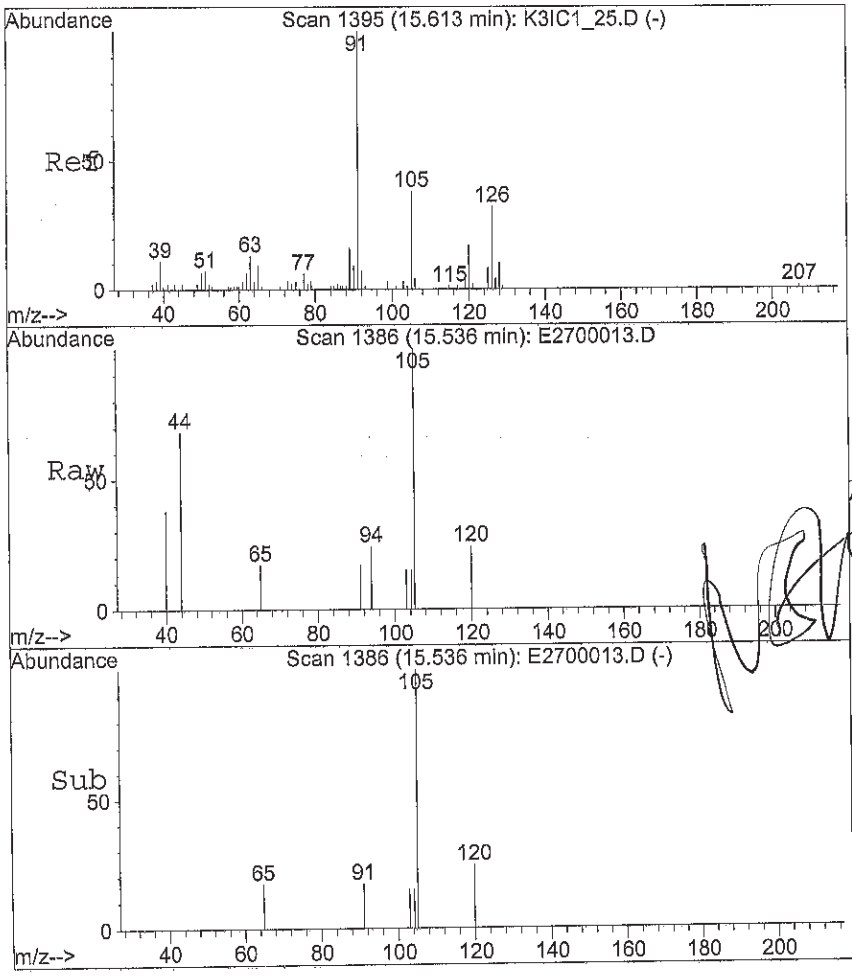


#62
n-Propylbenzene
Concen: 0.14 ug/L
RT: 15.45 min Scan# 1376
Delta R.T. -0.01 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 3582

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

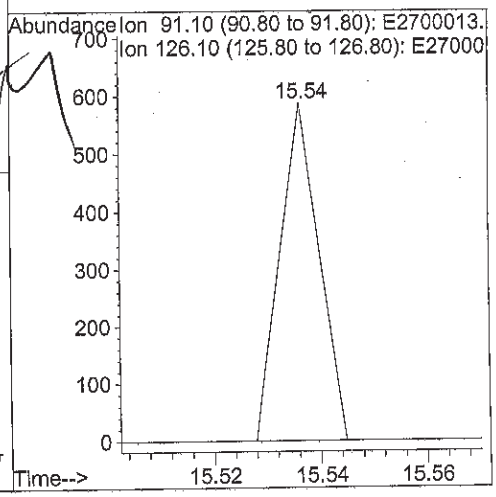


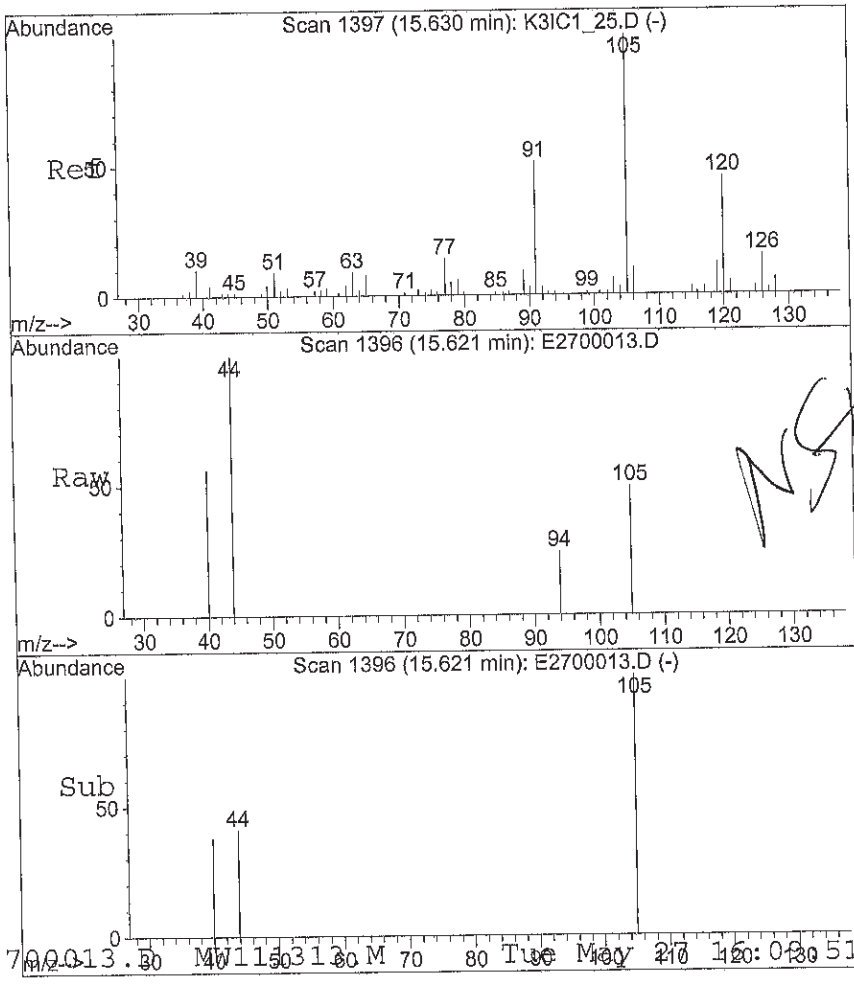


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.54 min Scan# 1386
Delta R.T. -0.08 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 298

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

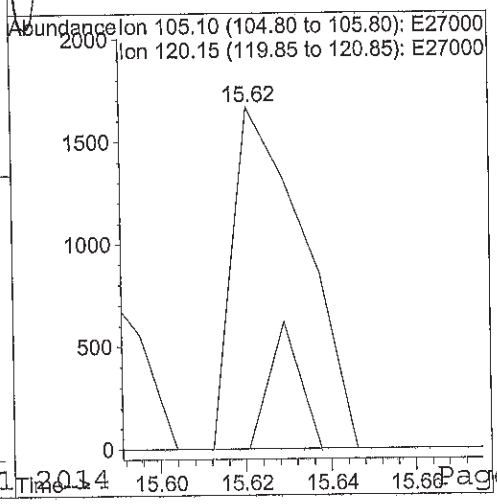


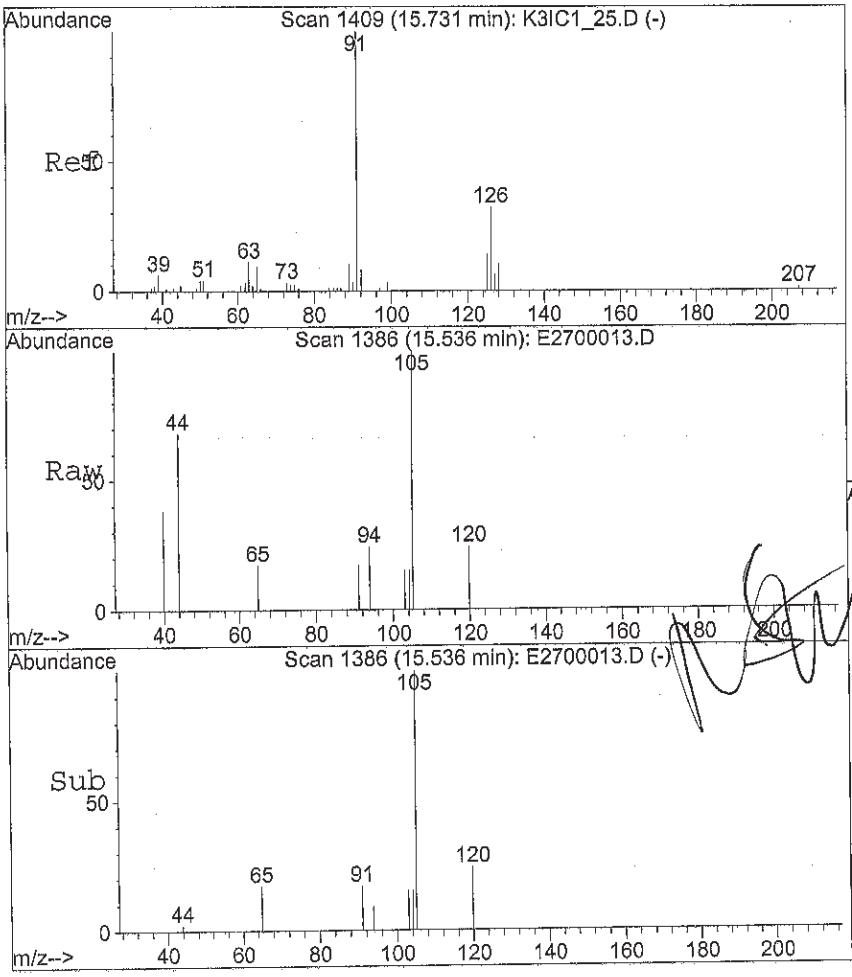


#64
1,3,5-Trimethylbenzene
Concen: 0.12 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.01 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:105 Resp: 1946

Ion	Ratio	Lower	Upper
105	100		
120	16.0	36.4	54.6#

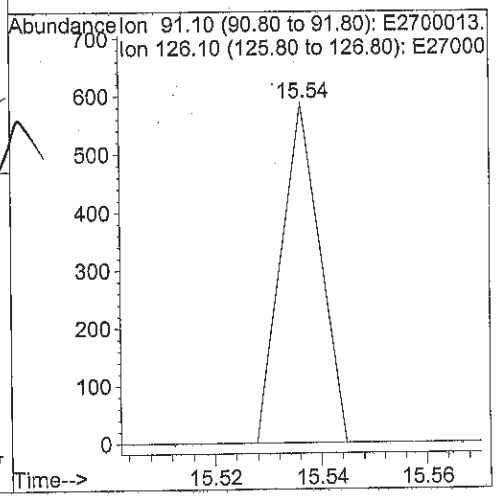


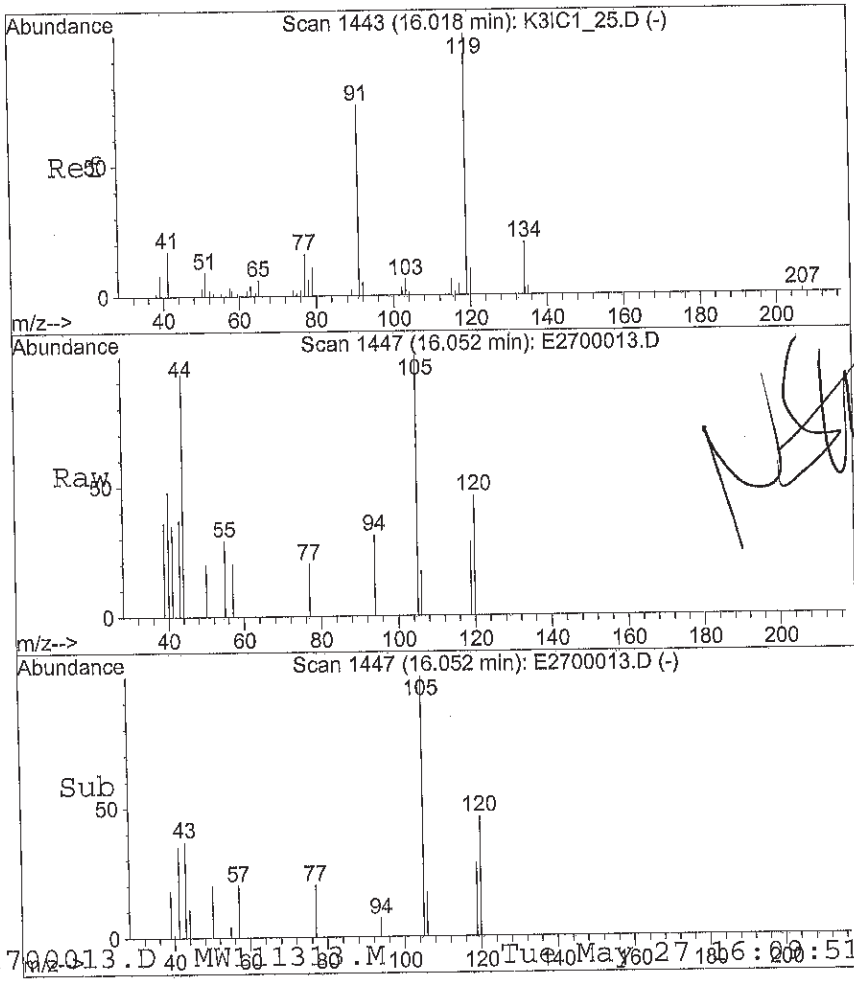


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.54 min Scan# 1386
Delta R.T. -0.19 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 298

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

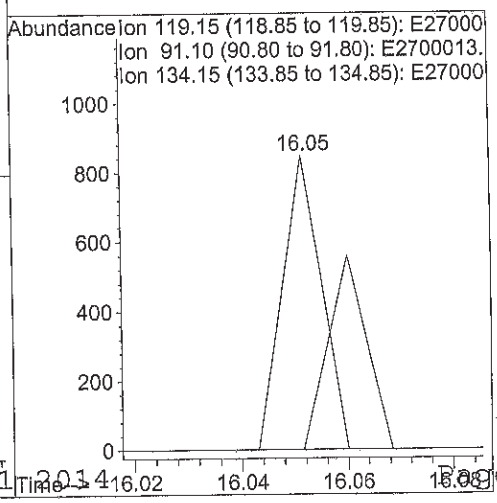


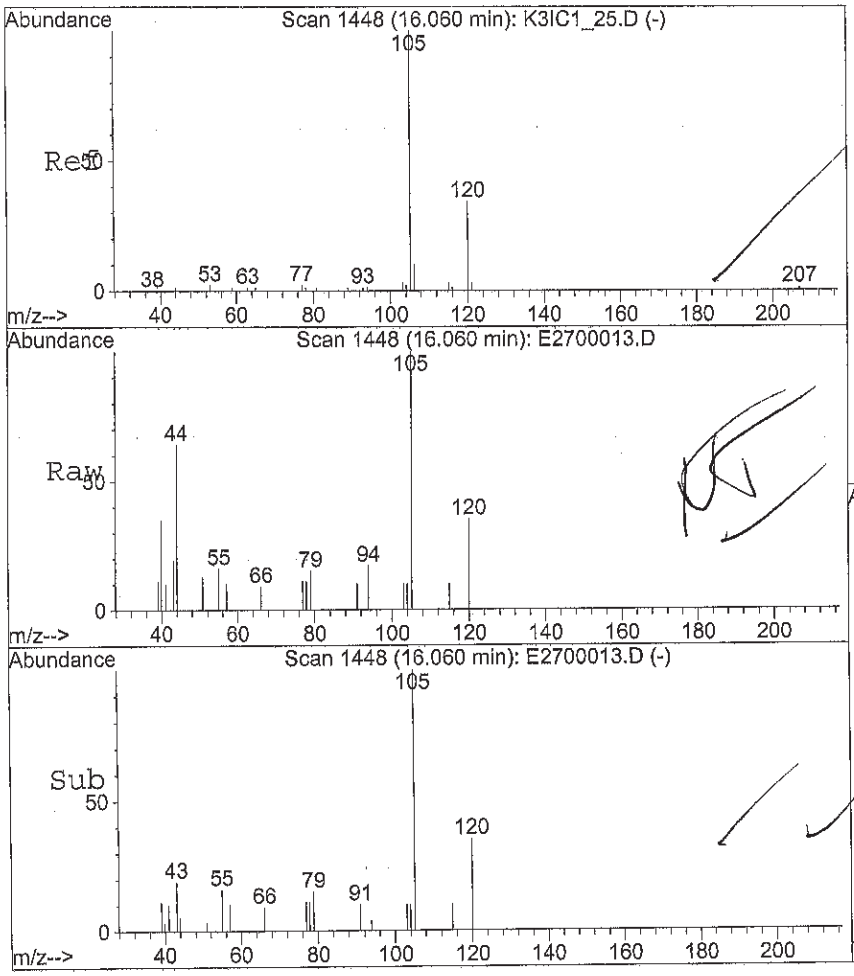


#66
tert-Butylbenzene
Concen: 0.03 ug/L
RT: 16.05 min Scan# 1447
Delta R.T. 0.03 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:119 Resp: 430

Ion	Ratio	Lower	Upper
119	100		
91	65.8	56.3	84.5
134	0.0	16.1	24.1#

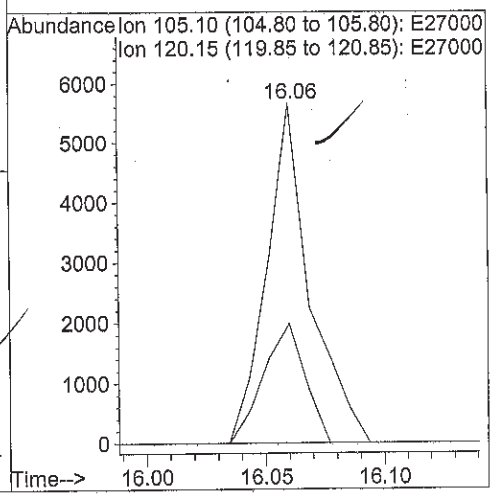


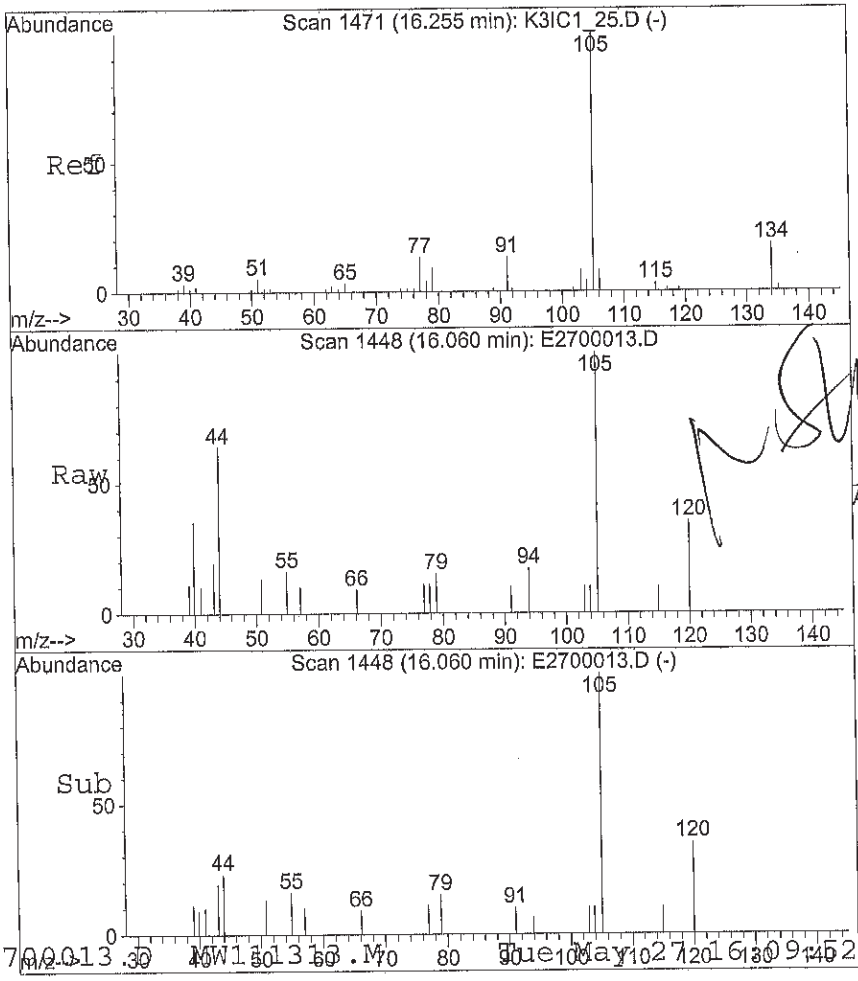


#67
1,2,4-Trimethylbenzene
Concen: 0.44 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:105 Resp: 7134

Ion	Ratio	Lower	Upper
105	100		
120	34.1	33.8	50.8

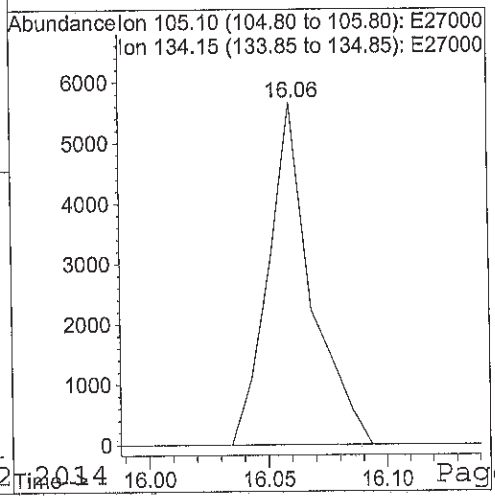


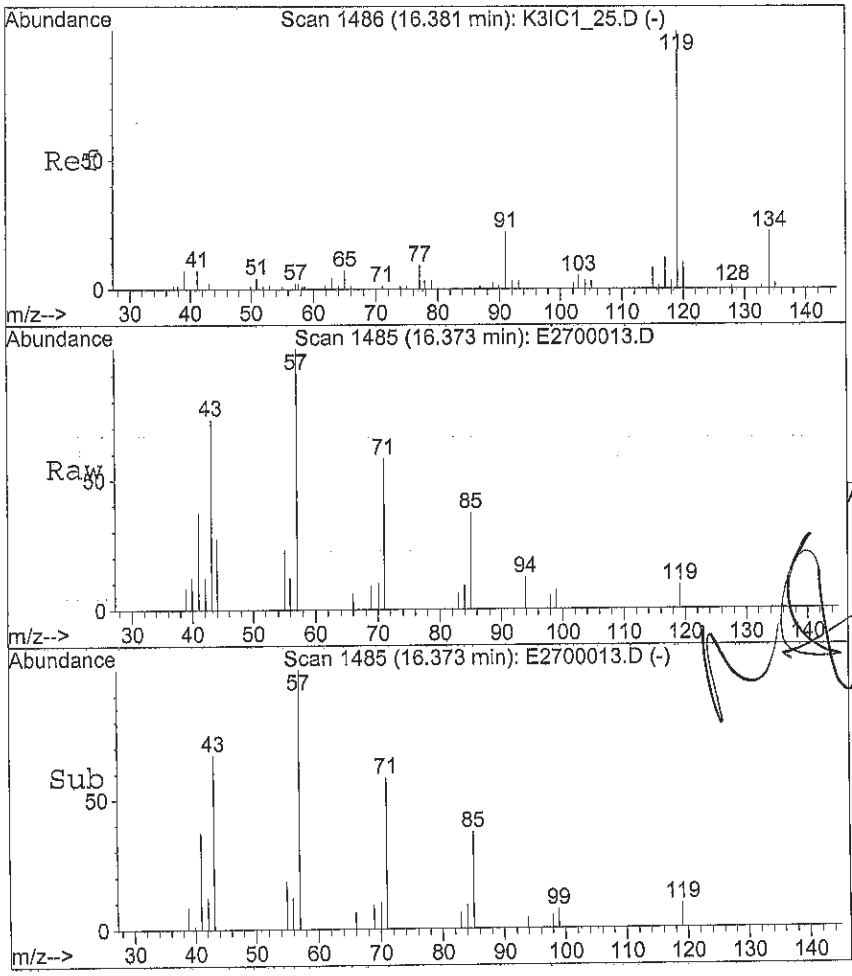


#68
sec-Butylbenzene
Concen: 0.34 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.19 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:105 Resp: 7134

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

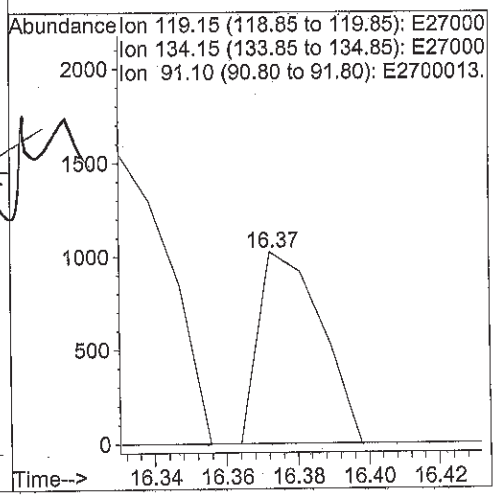


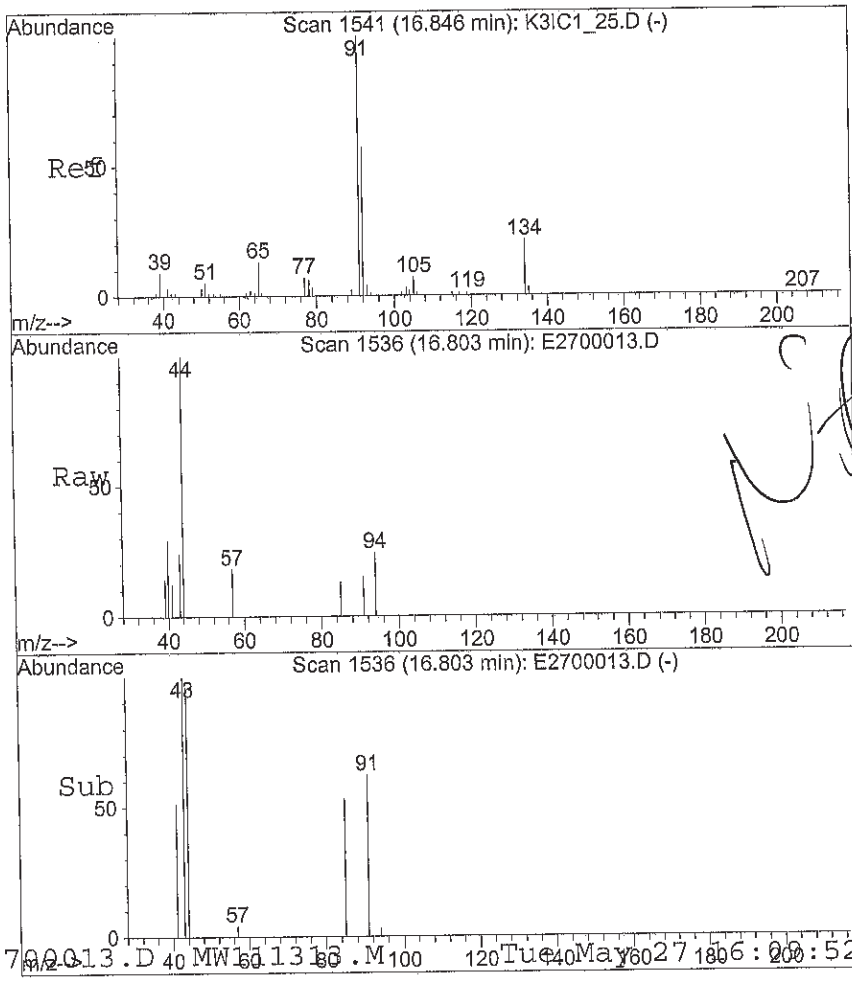


#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:119 Resp: 1248

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

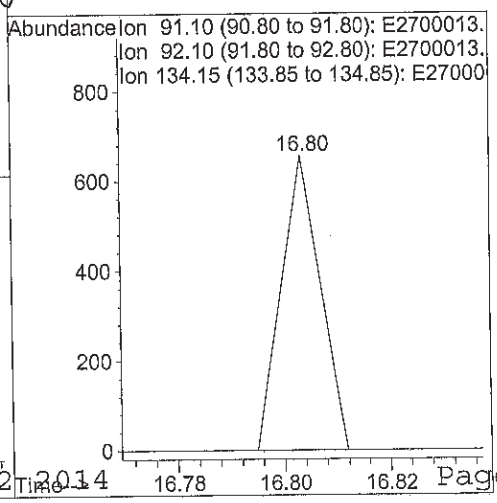


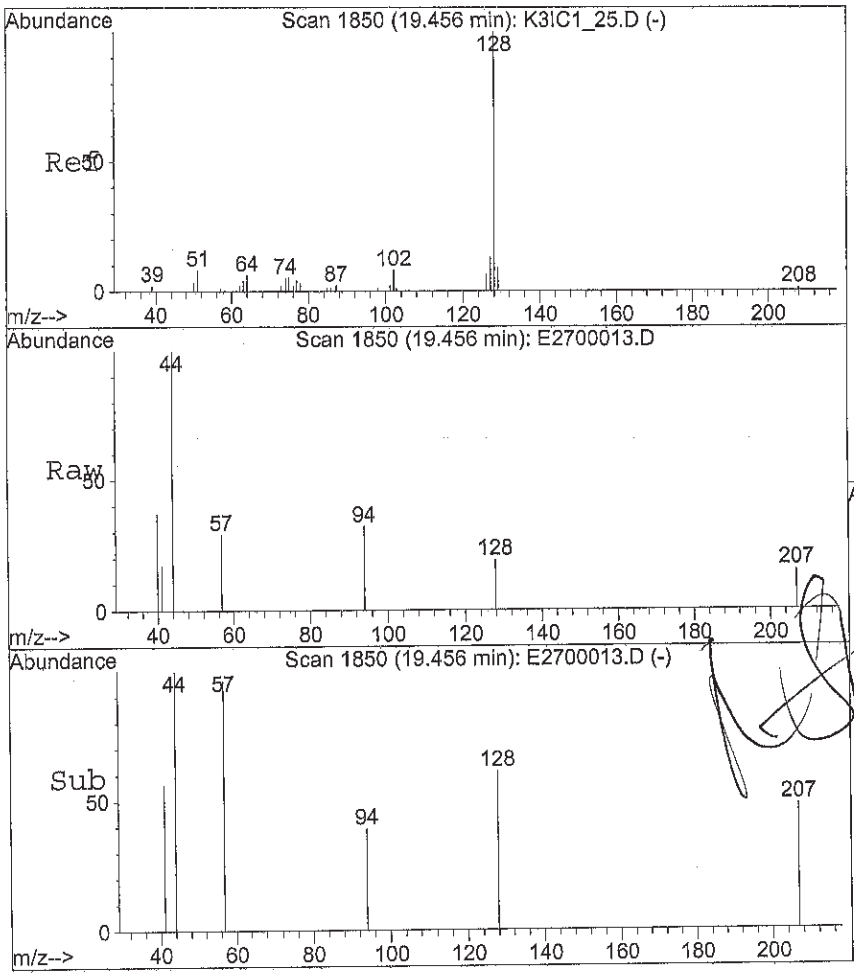


#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.80 min Scan# 1536
Delta R.T. -0.04 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion: 91 Resp: 332

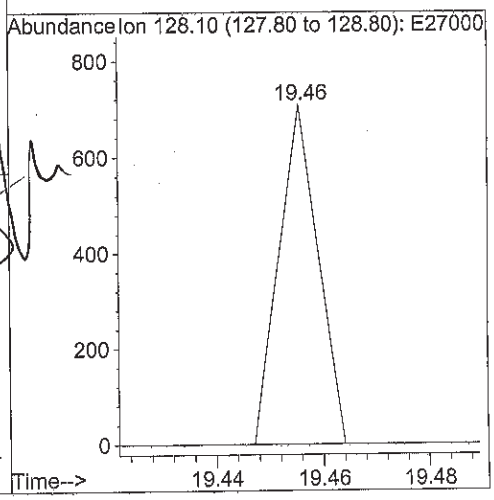
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#





#77
Naphthalene
Concen: 0.03 ug/L
RT: 19.46 min Scan# 1850
Delta R.T. -0.00 min
Lab File: E2700013.D
Acq: 27 May 2014 3:35 pm

Tgt Ion:128 Resp: 359



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700013.D Vial: 4
Acq On : 27 May 2014 3:35 pm Operator: DN
Sample : 3E42701-10 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:10 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1519594	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1165855	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	627293	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	429643	10.87	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.96%			
3) Chloroform-d (SU6)	9.18	84	726756	12.82	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 102.56%			
4) Methylene Chloride-d2 (SU5	7.06	86	399943	12.07	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 96.56%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	420567	15.57	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 124.56%			
6) Benzene-d6 (SU7)	9.93	84	1383364	11.60	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 92.80%			
8) Toluene-d8 (SU3)	12.21	98	1328718	12.01	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.08%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	632605	13.85	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.80%			

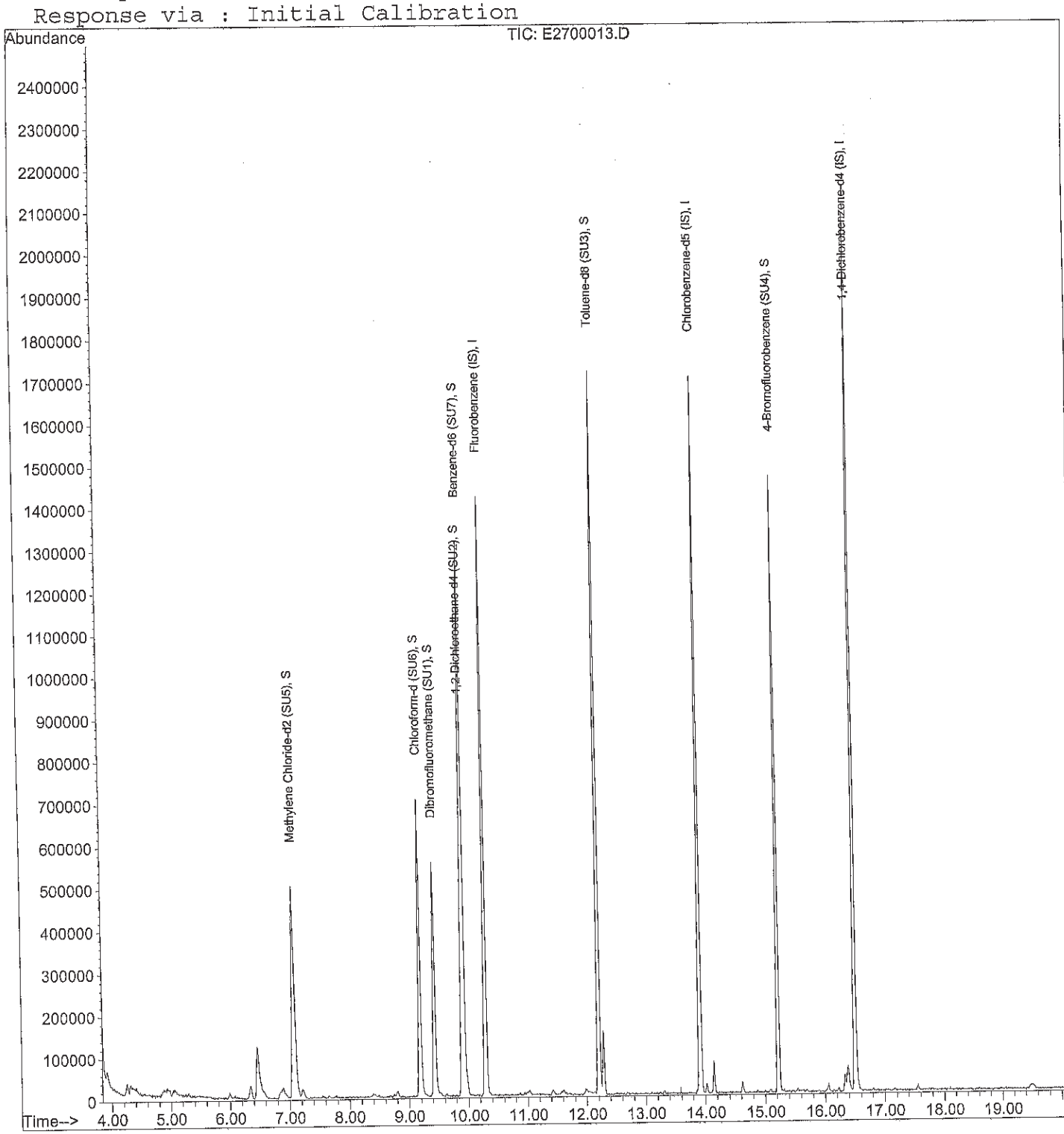
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700013.D Vial: 4
Acq On : 27 May 2014 3:35 pm Operator: DN
Sample : 3E42701-10 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-11.0-12.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:10 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700014.D Vial: 5
Acq On : 27 May 2014 4:04 pm Operator: DN
Sample : 3E42701-11 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-16.75-17.75 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1558226	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1225289	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	643267	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	436452	11.23	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.84%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	437553	11.85	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.80%			
39) Toluene-d8 (SU3)	12.21	98	1377020	12.05	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.40%			
58) 4-Bromofluorobenzene (SU4)	15.23	95	680731	13.58	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 108.64%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	6574	1.30	~~ug/L~~ #	76
6) Bromomethane	5.13	96	1065	-1.16	~~ug/L~~ #	1
7) Chloroethane	5.19	64	1636	1.95	~~ug/L~~	94
9) (F113) 1,1,2-Trichloro-tri	6.35	151	3993	1.30	ug/L	0.026 86
11) Acetone	6.47	58	8998	10.48	~~ug/L~~	96
12) (IPA) Leak Check Compound	6.47	45	285485	1524.67	~~ug/L~~ #	85
13) Carbon disulfide	6.84	76	7222	0.56	~~ug/L~~ #	76
14) Methylene Chloride	7.07	84	5710	1.33	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	4013	15.10	~~ug/L~~ #	77
20) 2,2-Dichloropropane	8.98	77	278	0.05	~~ug/L~~ #	36
24) Chloroform	9.21	83	1869	0.23	~~ug/L~~ #	18
25) (ETBE) 2-ethoxy 2-methyl p	8.33	59	920	0.08	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.93	75	399	0.07	~~ug/L~~ #	1
31) Benzene	9.98	78	2297	0.16	~~ug/L~~ #	69
32) 1,2-Dichloroethane	9.93	62	6260	1.21	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	7320	2.99	~~ug/L~~ #	100
41) Toluene	12.30	91	12428	0.74	ug/L	0.0148 93
46) 2-Hexanone	12.93	43	656	0.24	~~ug/L~~ #	37
51) Ethylbenzene	14.03	91	2908	0.15	~~ug/L~~ #	45
52) m,p-Xylenes	14.15	106	1152	0.17	ug/L #	0.0054 21
53) o-Xylene	14.62	106	729	0.11	ug/L #	0.0022 1
54) Styrene	14.63	104	1947	-0.67	~~ug/L~~ #	76

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700014.D Vial: 5
Acq On : 27 May 2014 4:04 pm Operator: DN
Sample : 3E42701-11 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-16.75-17.75 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:26 19114 Quant Results File: MW111313.RES

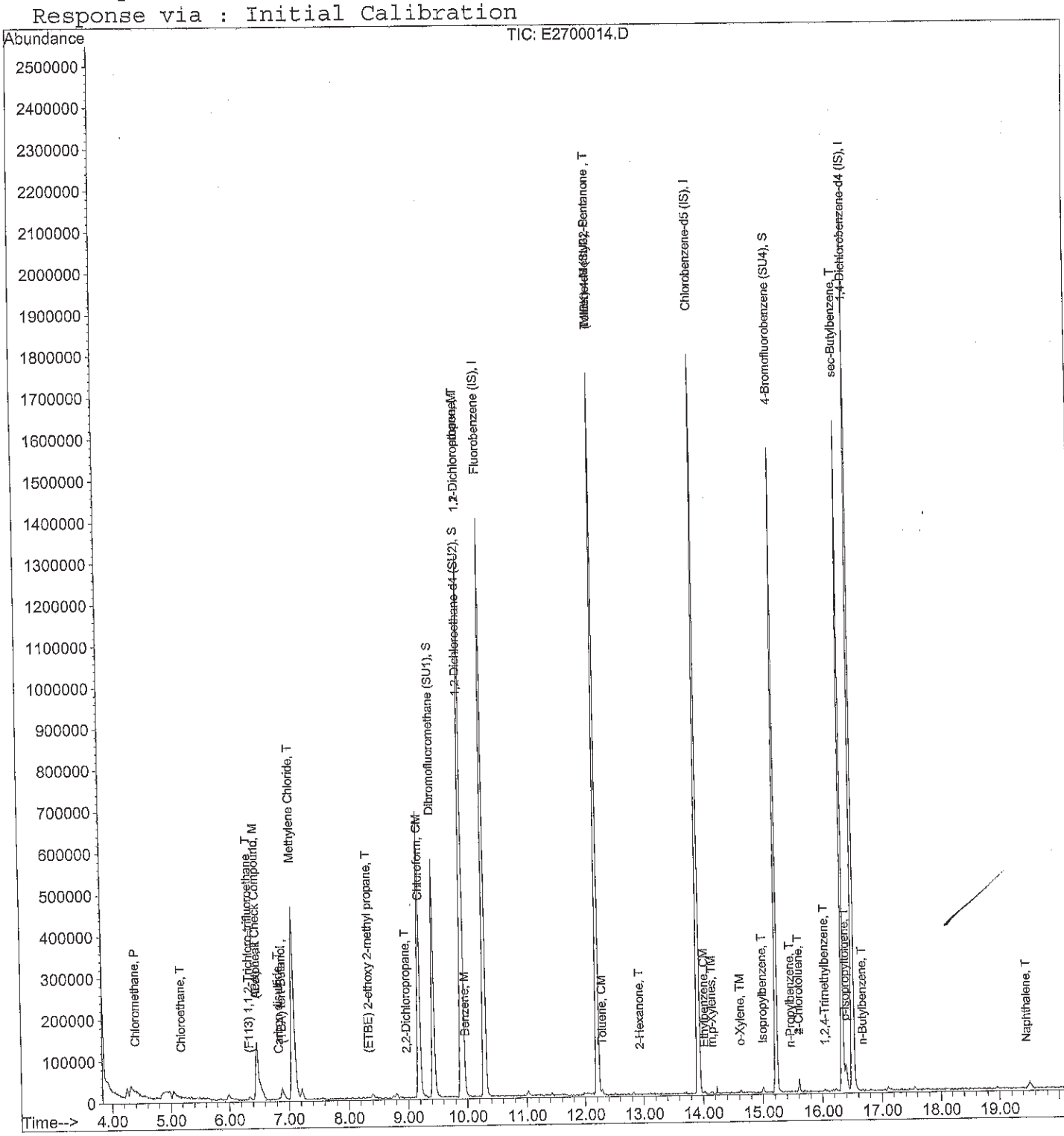
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

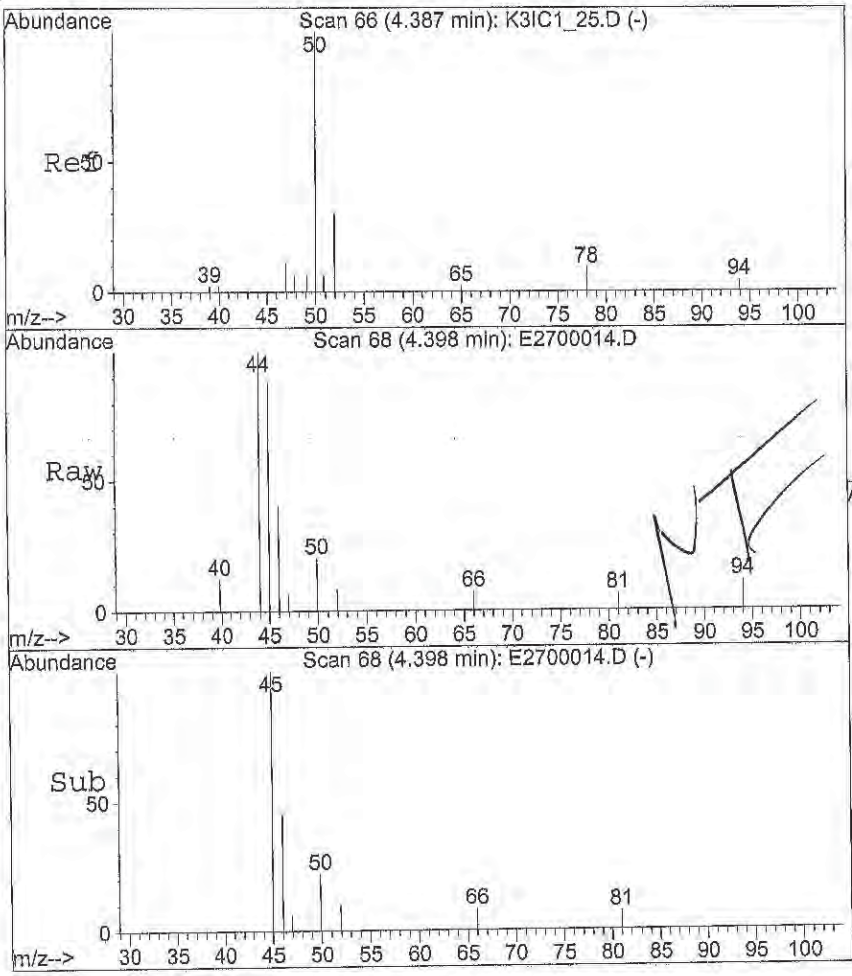
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56) Isopropylbenzene	15.00	105	320	0.02	~~ug/L~~ #	1
62) n-Propylbenzene	15.46	91	274	0.01	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.61	91	2396	0.15	~~ug/L~~ #	45
65) 4-Chlorotoluene	15.61	91	2396	0.16	~~ug/L~~ #	44
67) 1,2,4-Trimethylbenzene	16.05	105	1059	0.06	~~ug/L~~ #	33
68) sec-Butylbenzene	16.33	105	24414	1.13	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	2197	0.12	~~ug/L~~ #	52
72) n-Butylbenzene	16.68	91	316	0.02	~~ug/L~~ #	30
77) Naphthalene	19.45	128	616	0.05	~~ug/L~~	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700014.D Vial: 5
Acq On : 27 May 2014 4:04 pm Operator: DN
Sample : 3E42701-11 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-16.75-17.75 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:26 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

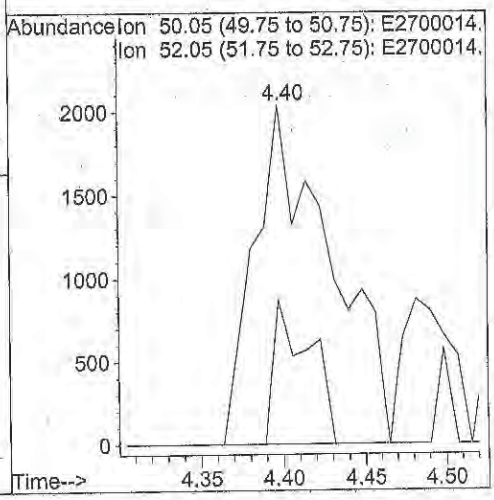


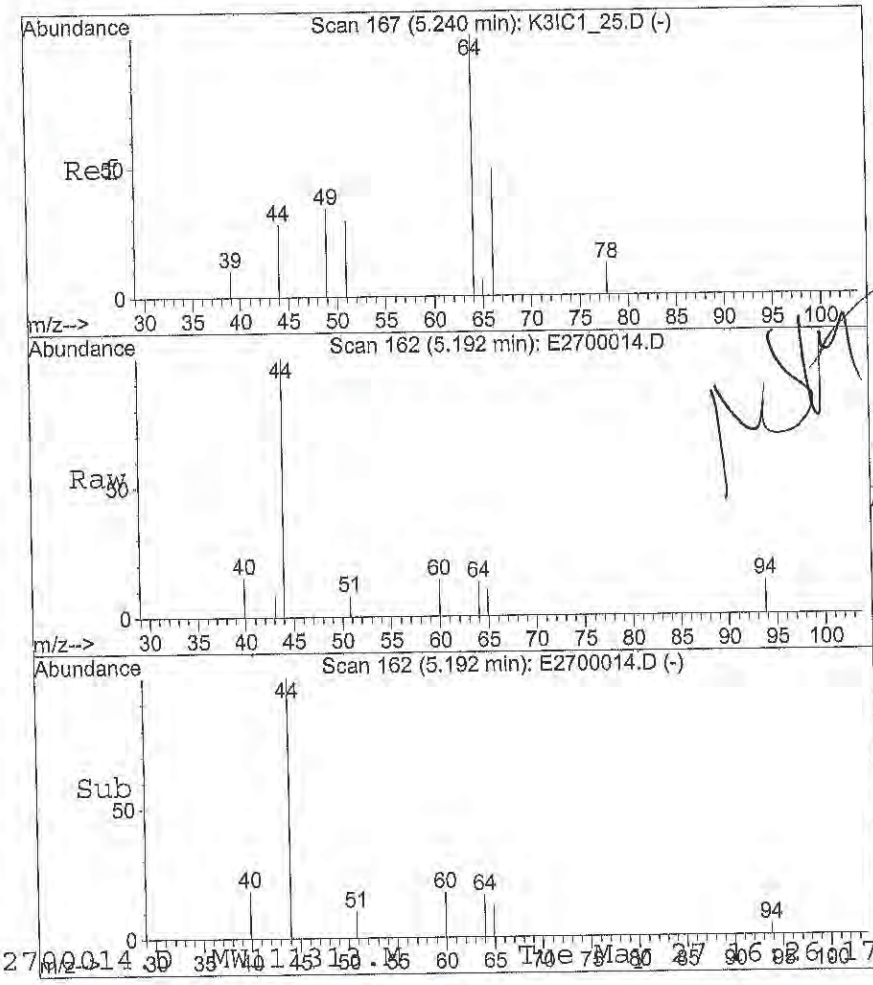


#4
Chloromethane
Concen: 1.30 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 50 Resp: 6574

Ion	Ratio	Lower	Upper
50	100		
52	20.0	26.9	40.3#

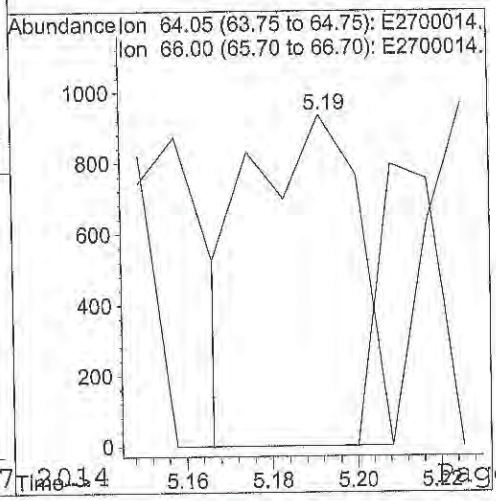


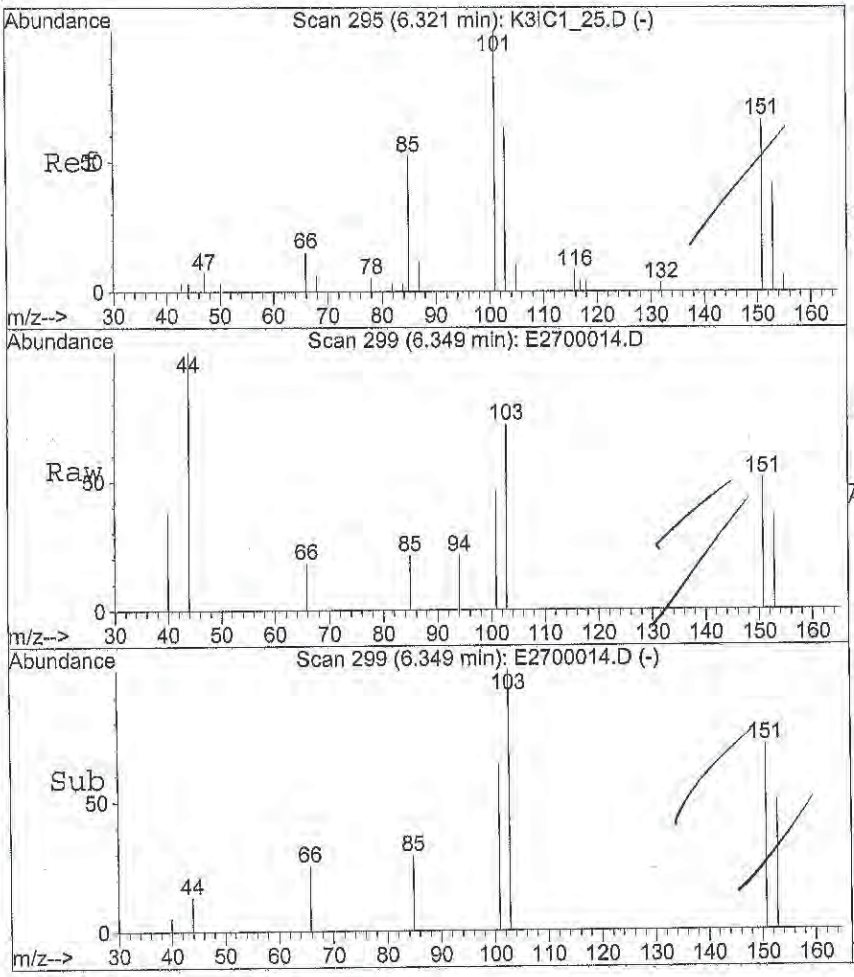


#7
Chloroethane
Concen: 1.95 ug/L
RT: 5.19 min Scan# 162
Delta R.T. -0.05 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 64 Resp: 1636

Ion	Ratio	Lower	Upper
64	100		
66	48.0	35.4	53.0

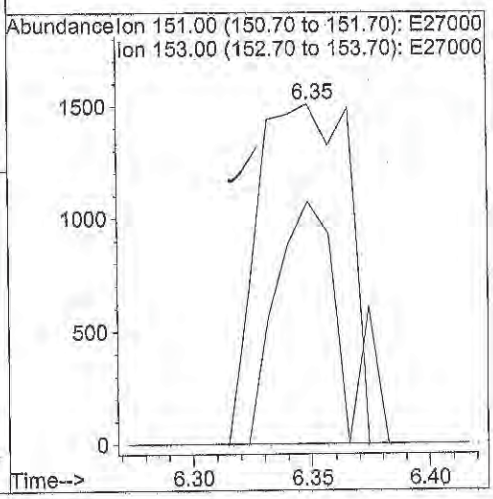


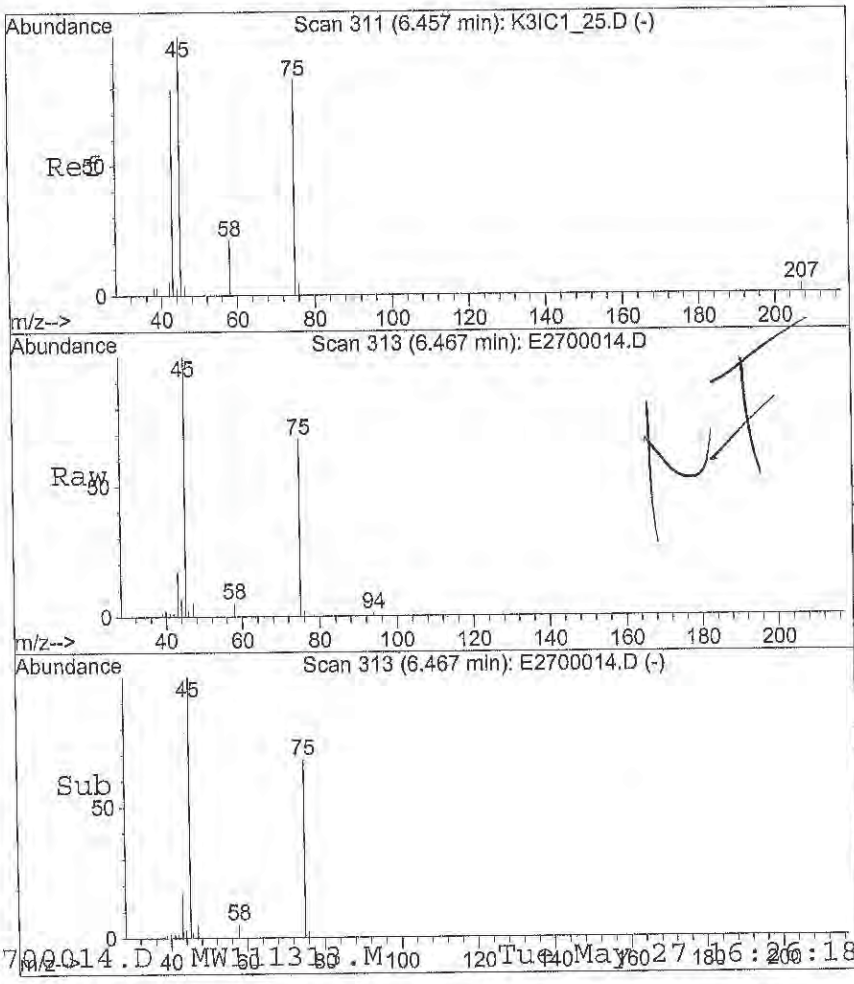


#9
(F113) 1,1,2-Trichloro-trifluor
Concen: 1.30 ug/L
RT: 6.35 min Scan# 299
Delta R.T. 0.03 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:151 Resp: 3993

Ion	Ratio	Lower	Upper
151	100		
153	51.5	49.6	74.4

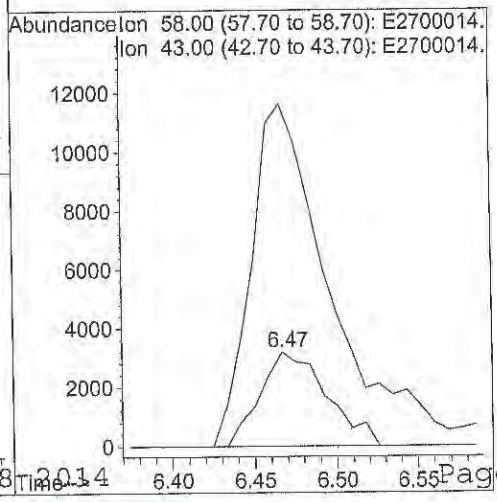


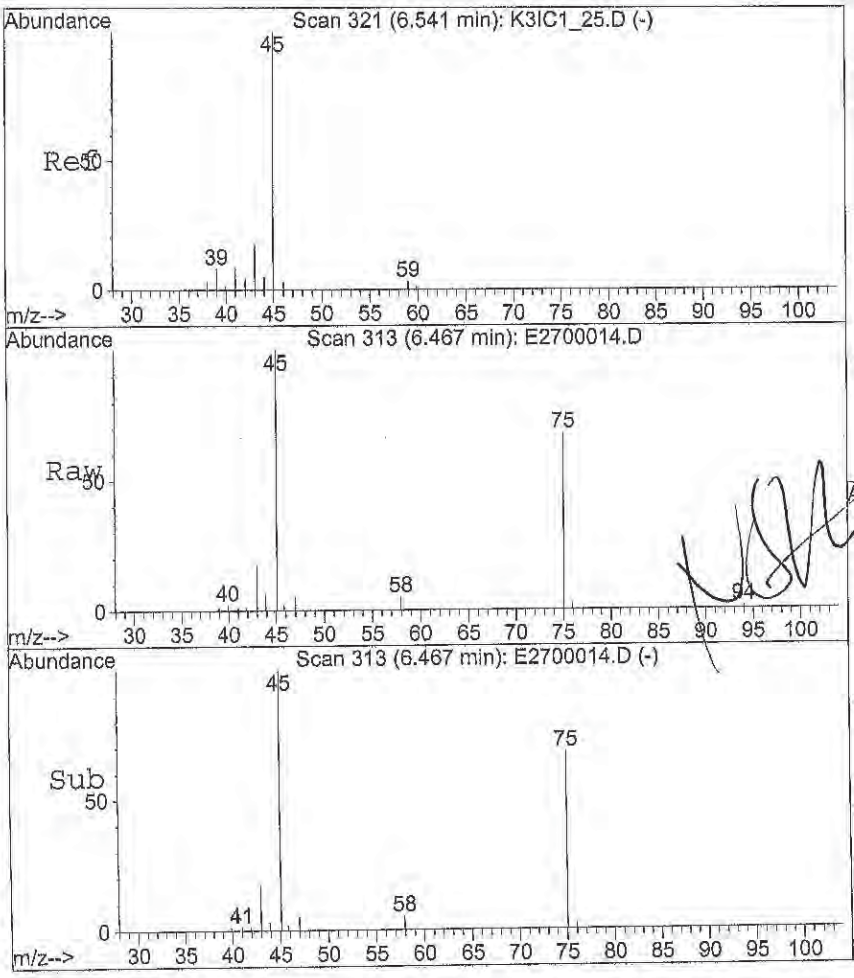


#11
Acetone
Concen: 10.48 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 58 Resp: 8998

Ion	Ratio	Lower	Upper
58	100		
43	440.5	360.9	541.3

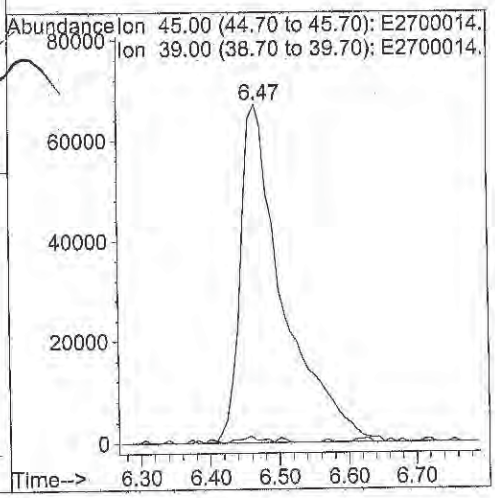


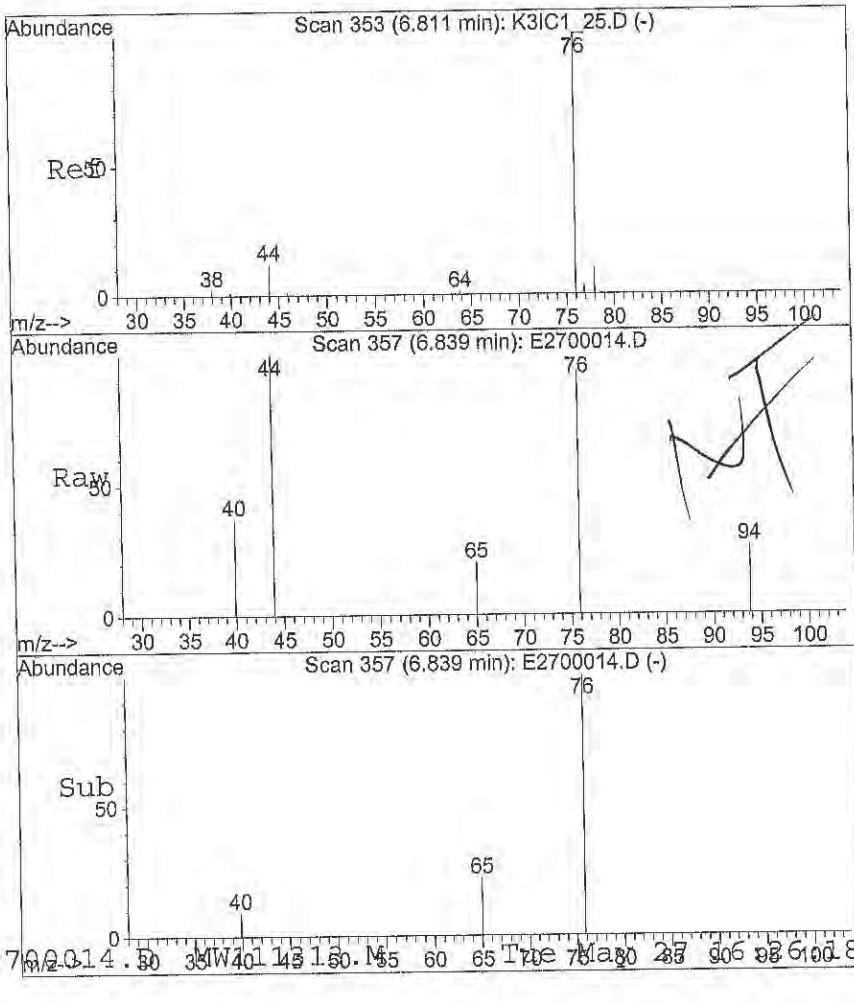


#12
(IPA) Leak Check Compound
Concen: 1524.67 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 45 Resp: 285485

Ion	Ratio	Lower	Upper
45	100		
39	0.9	4.9	7.3#

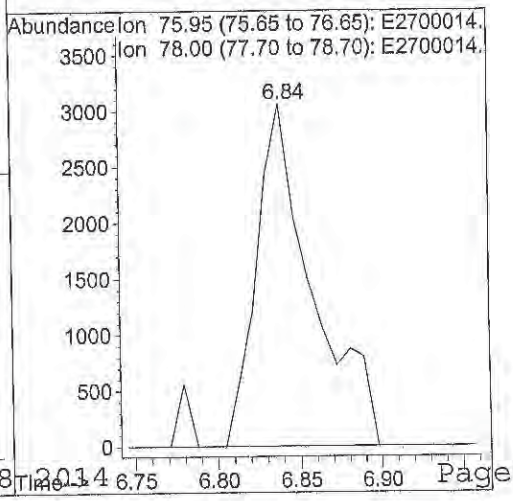


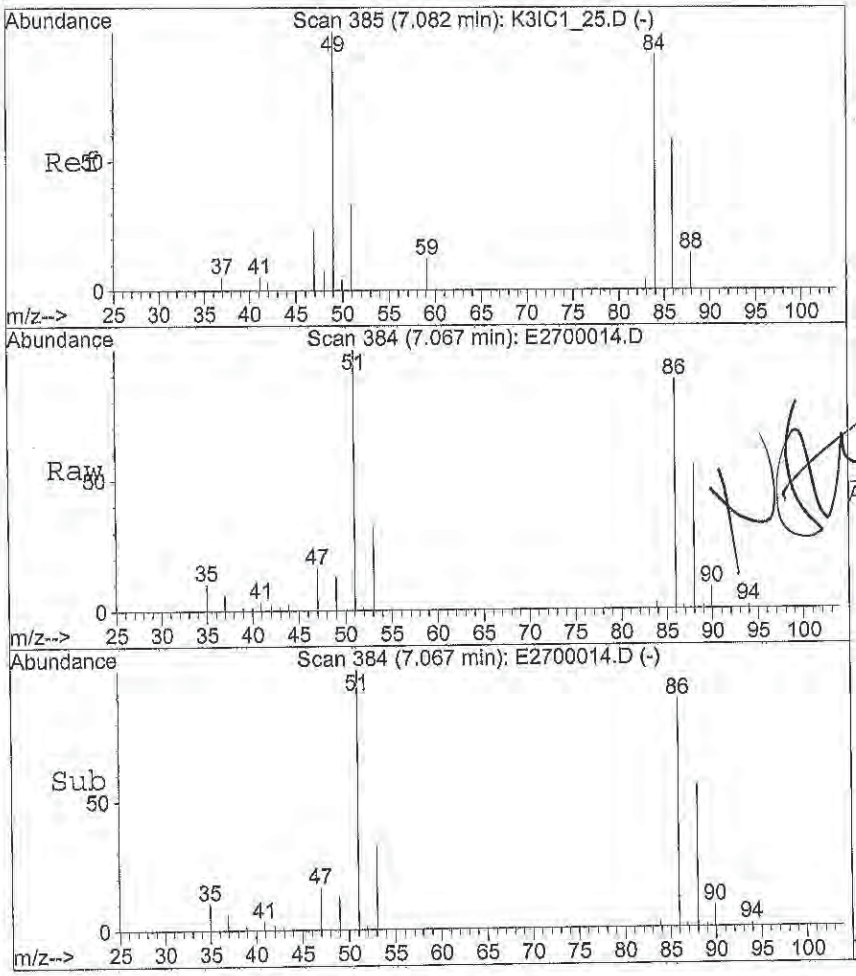


#13
Carbon disulfide
Concen: 0.56 ug/L
RT: 6.84 min Scan# 357
Delta R.T. 0.03 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 76 Resp: 7222

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

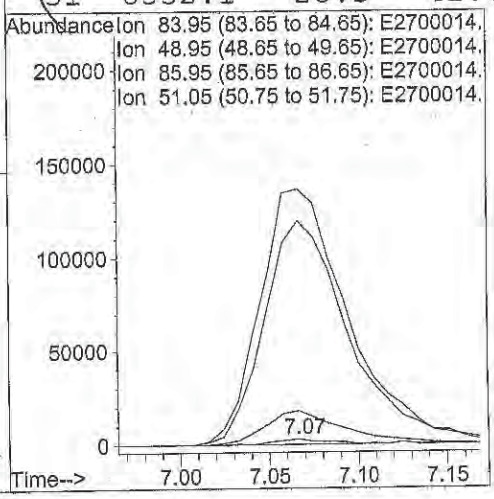


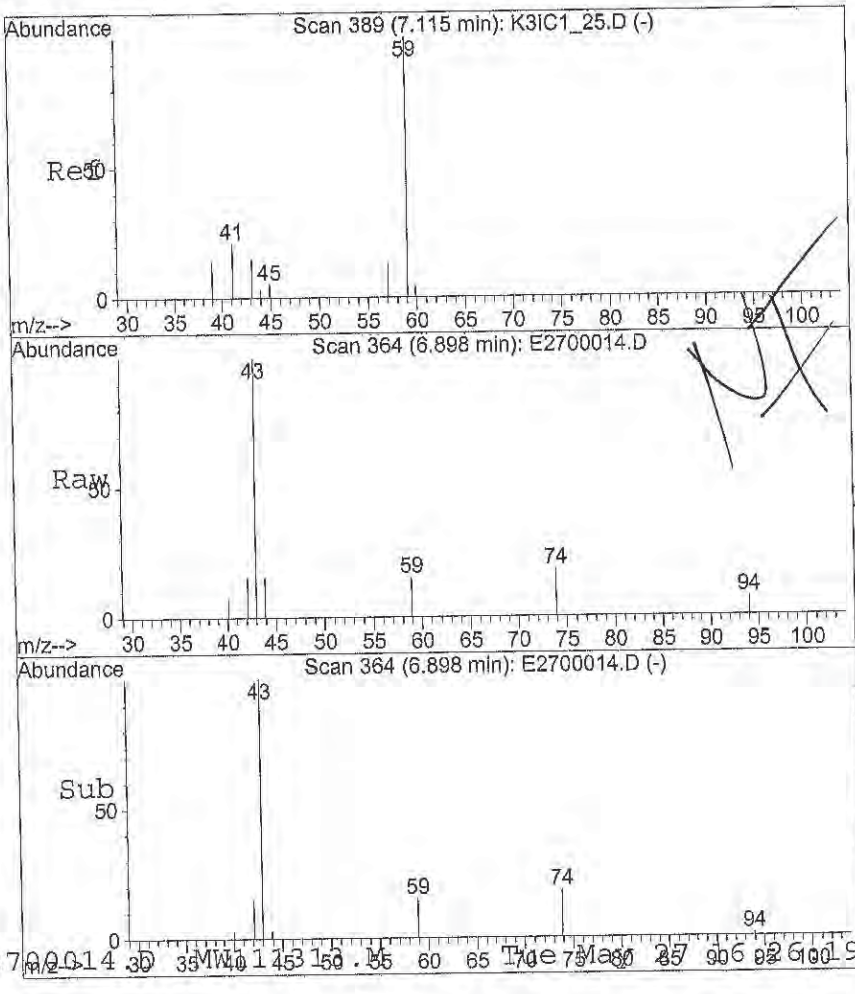


#14
Methylene Chloride
Concen: 1.33 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 84 Resp: 5710

Ion	Ratio	Lower	Upper
84	100		
49	959.1	89.8	134.6#
86	6992.2	51.1	76.7#
51	8352.1	28.5	42.7#

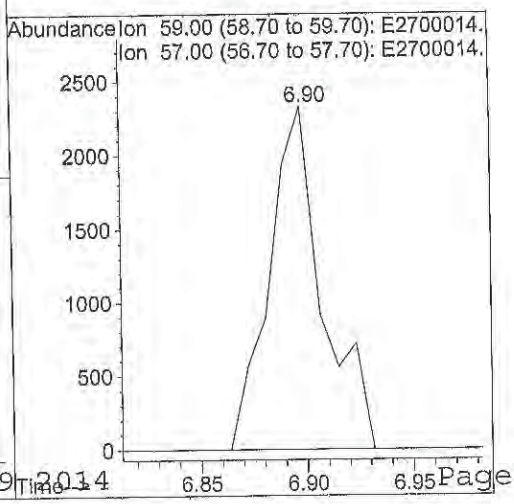


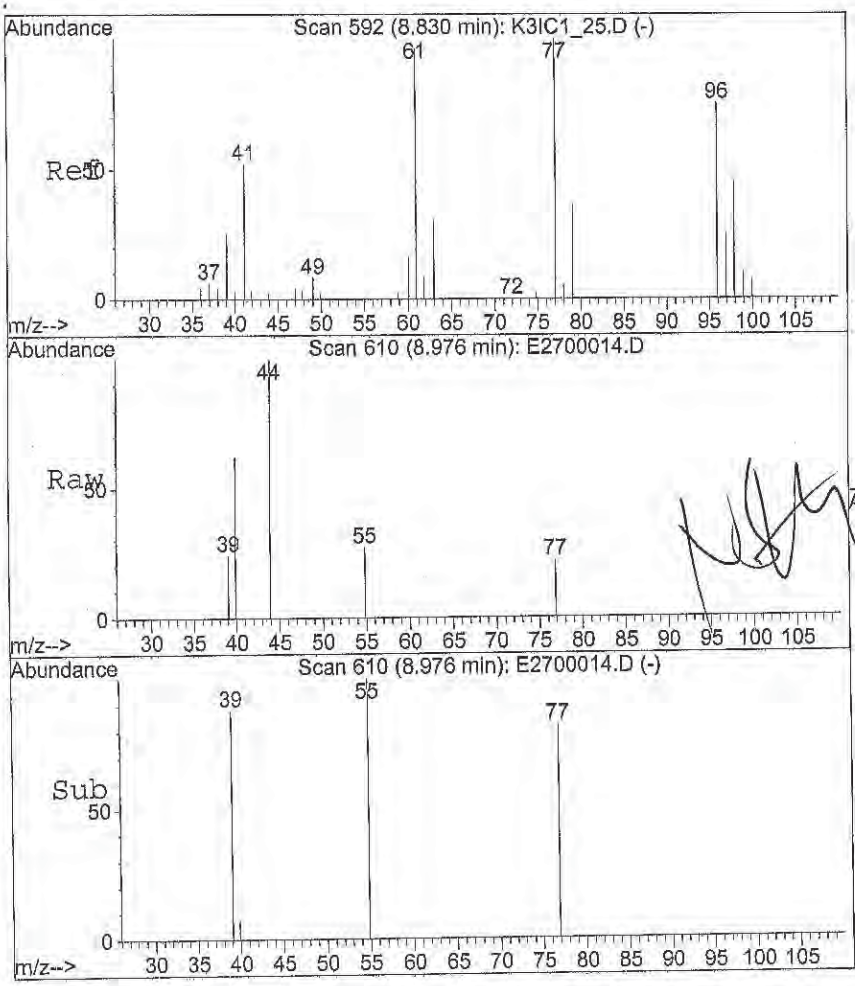


#15
(TBA) tert-Butanol
Concen: 15.10 ug/L
RT: 6.90 min Scan# 364
Delta R.T. -0.22 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 59 Resp: 4013

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

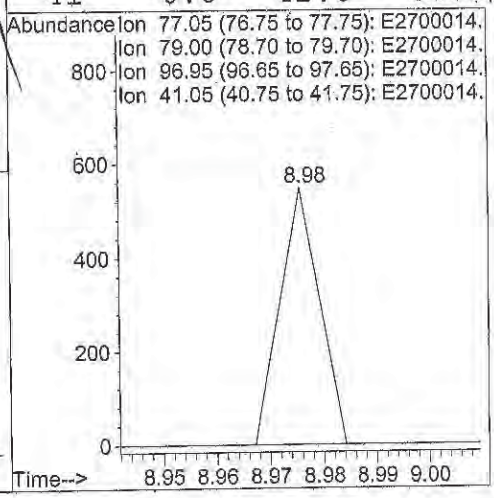


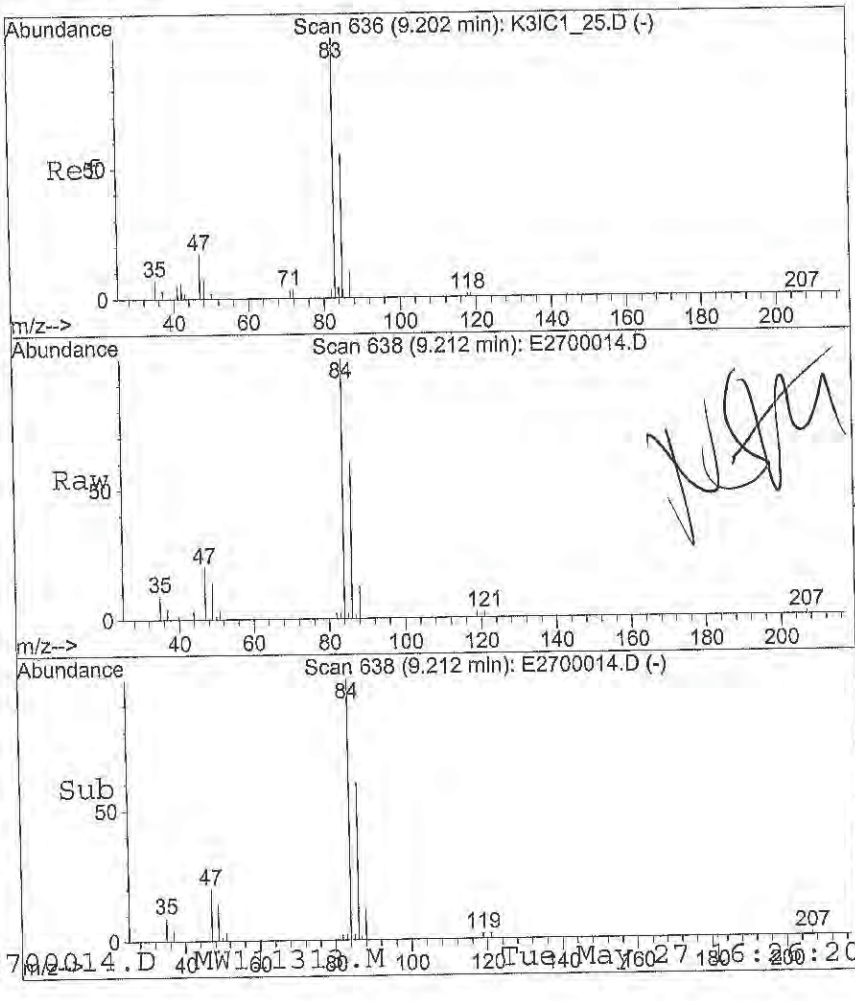


#20
2,2-Dichloropropane
Concen: 0.05 ug/L
RT: 8.98 min Scan# 610
Delta R.T. 0.15 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 77 Resp: 278

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

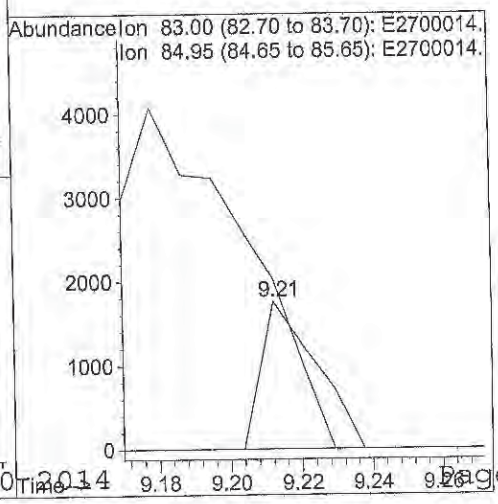


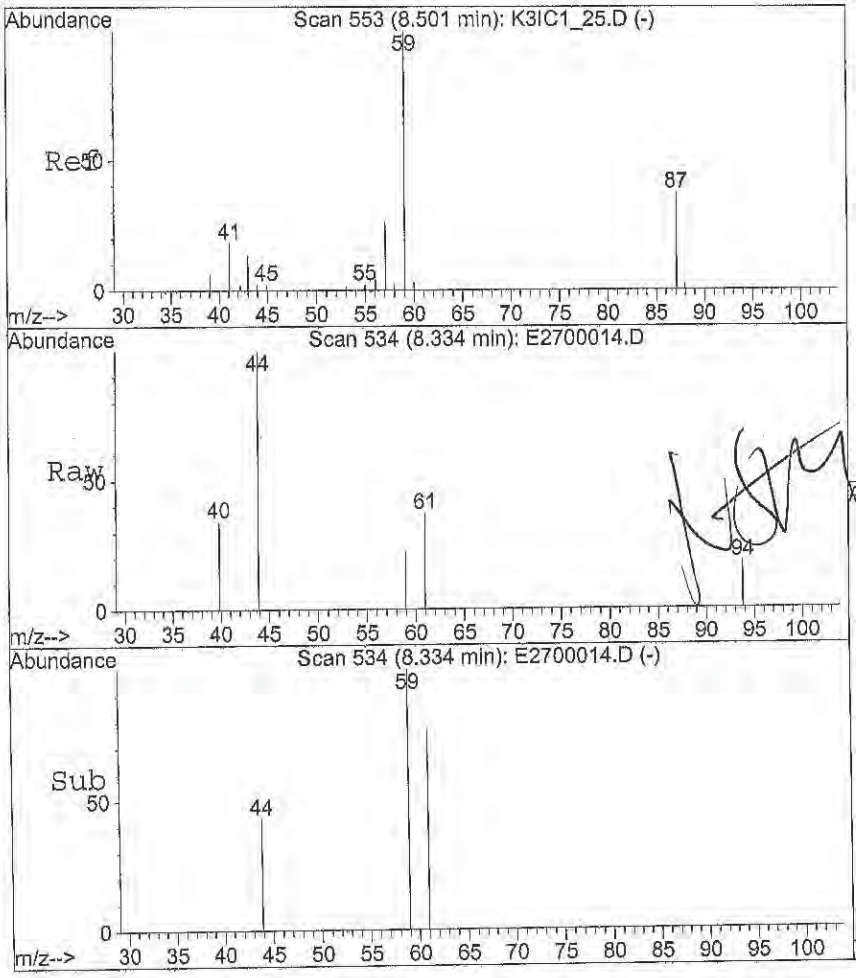


#24
Chloroform
Concen: 0.23 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 83 Resp: 1869

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

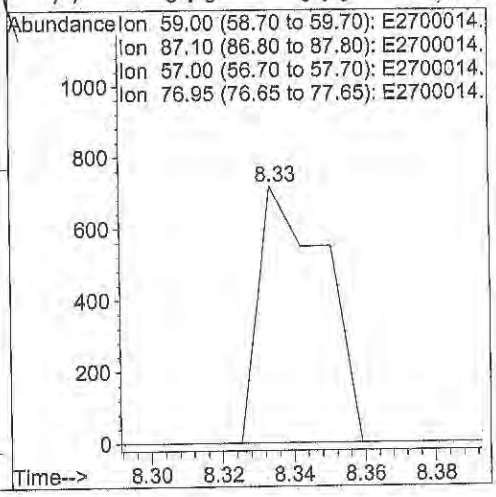


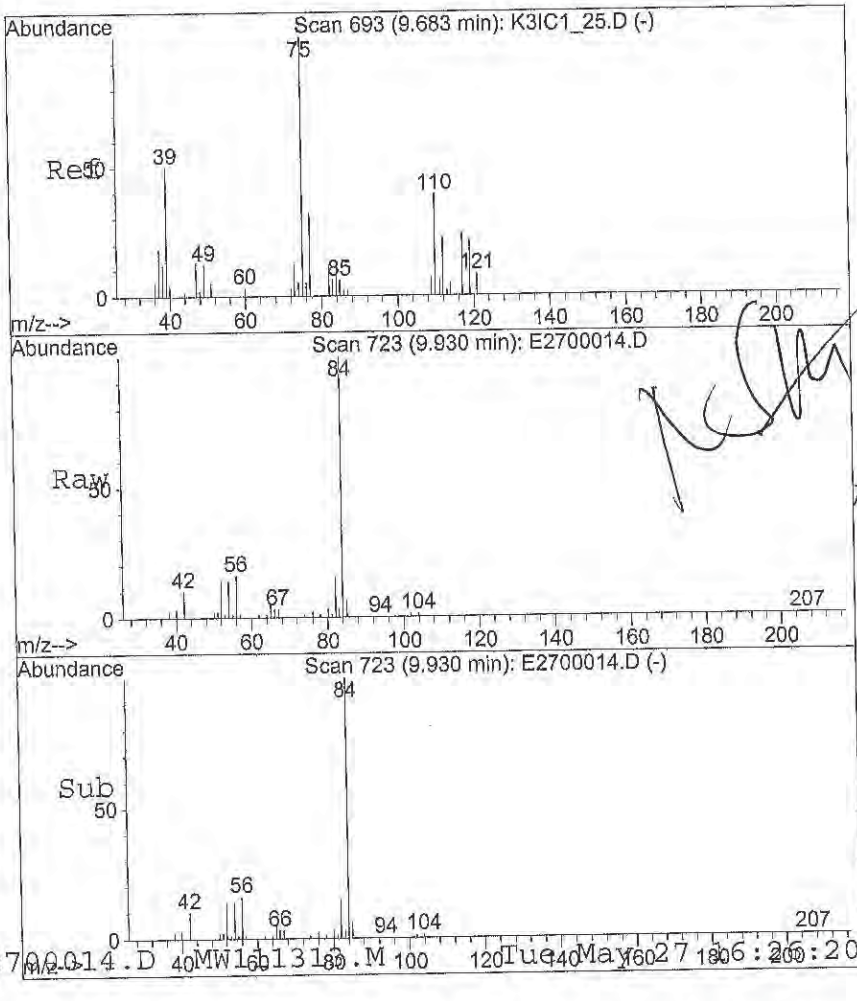


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.08 ug/L
RT: 8.33 min Scan# 534
Delta R.T. -0.17 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 59 Resp: 920

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

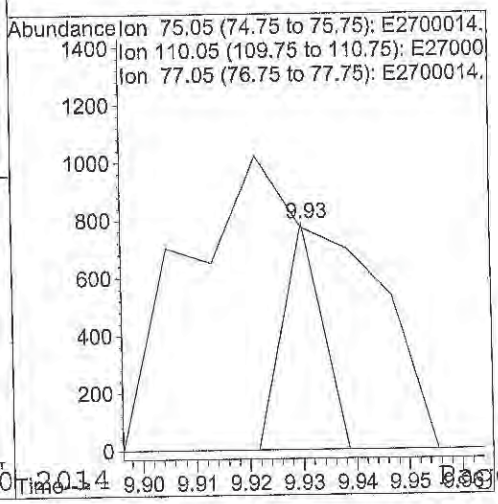


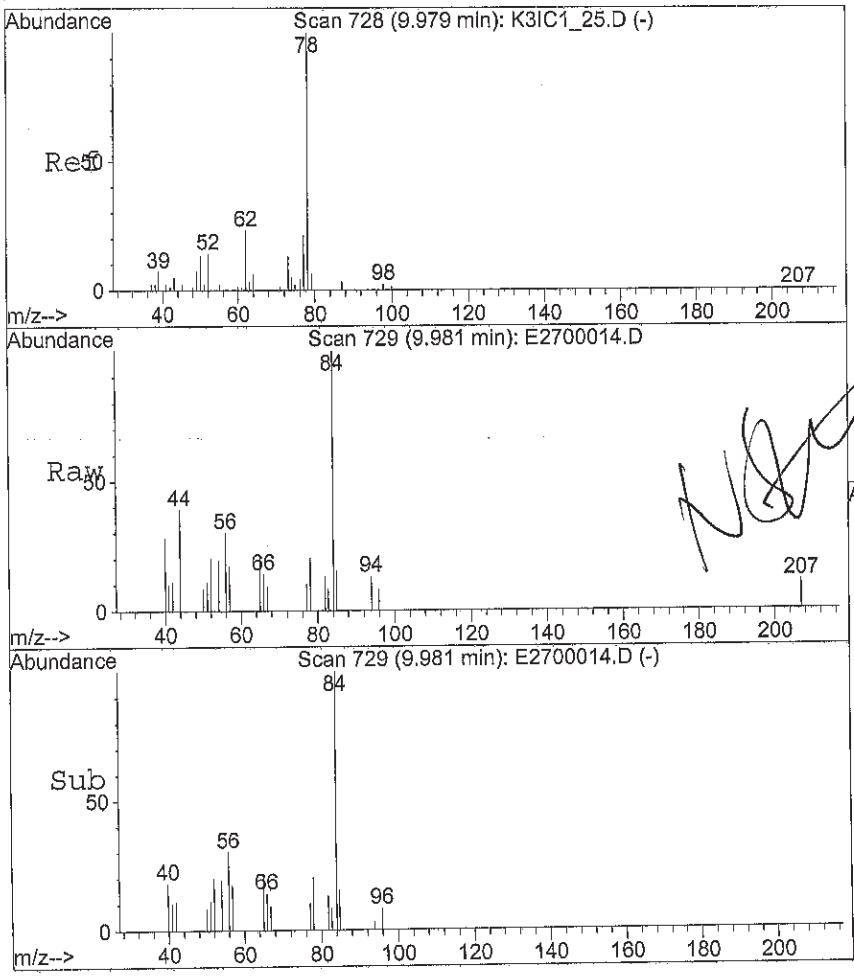


#29
1,1-Dichloropropene
Concen: 0.07 ug/L
RT: 9.93 min Scan# 723
Delta R.T. 0.25 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 75 Resp: 399

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	556.1	25.0	37.4#

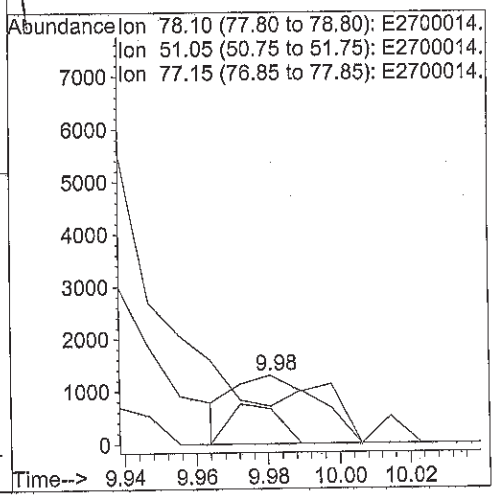


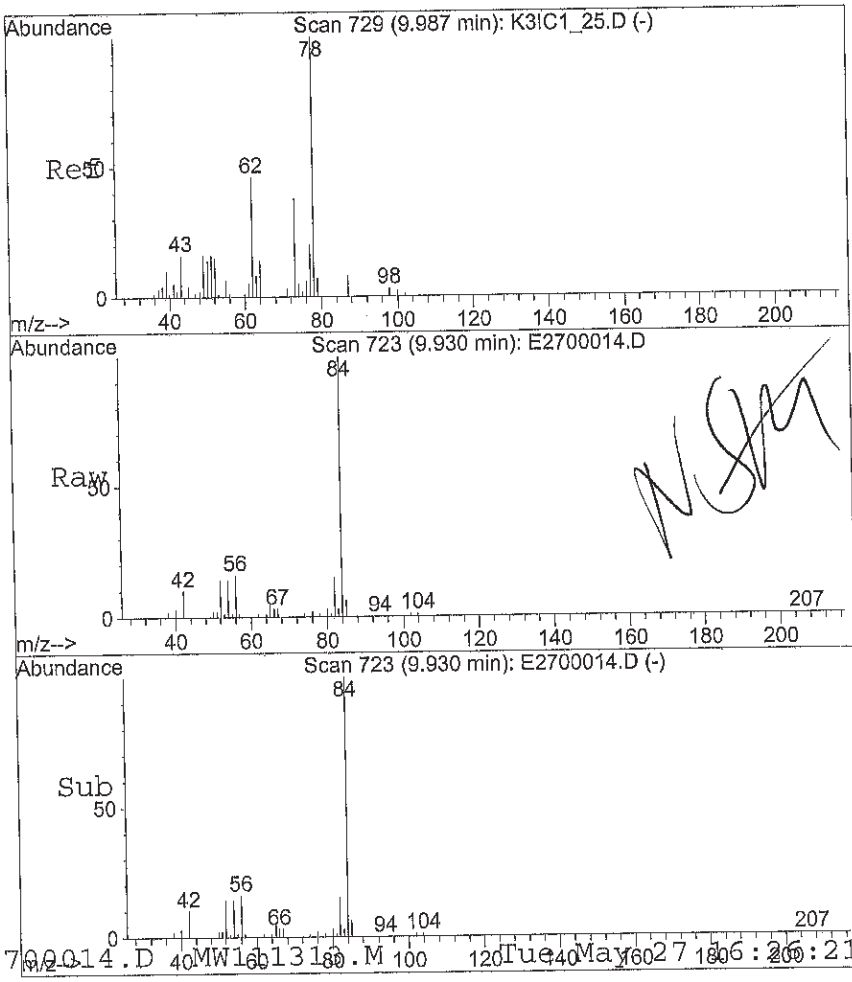


#31
Benzene
Concen: 0.16 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 78 Resp: 2297

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	31.0	16.6	24.8#

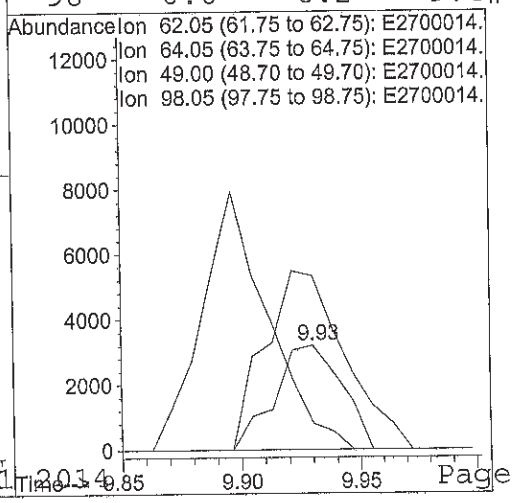


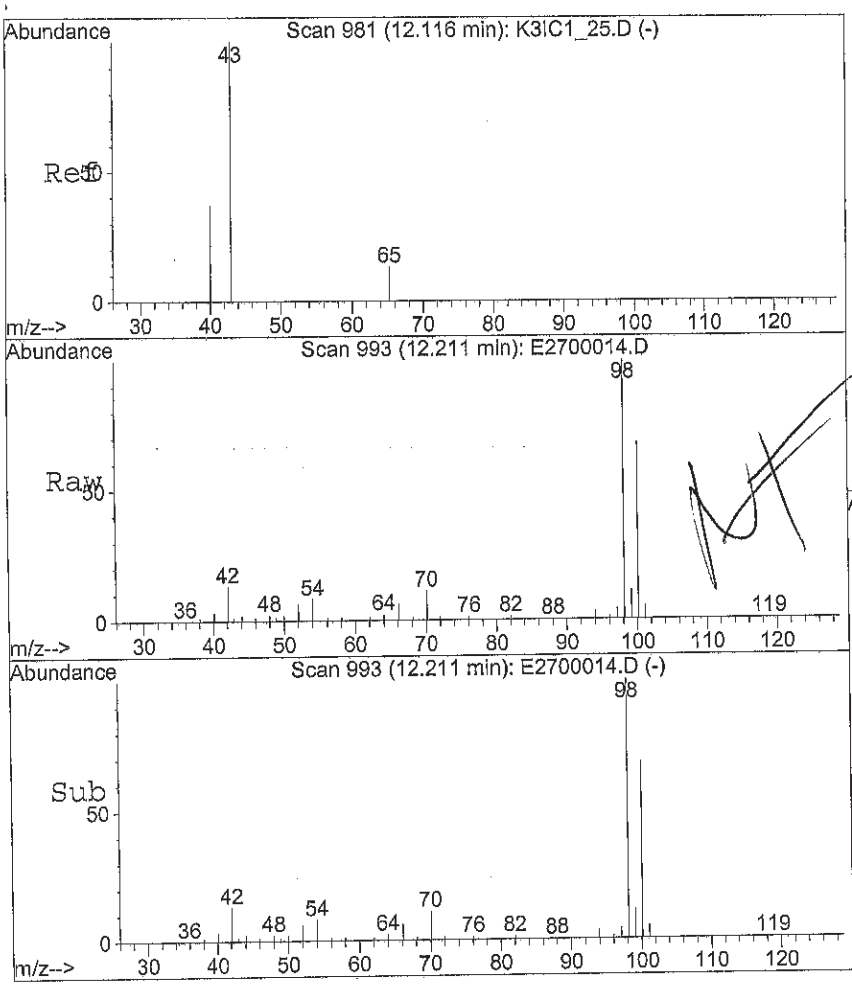


#32
1,2-Dichloroethane
Concen: 1.21 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 62 Resp: 6260

Ion	Ratio	Lower	Upper
62	100		
64	203.2	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

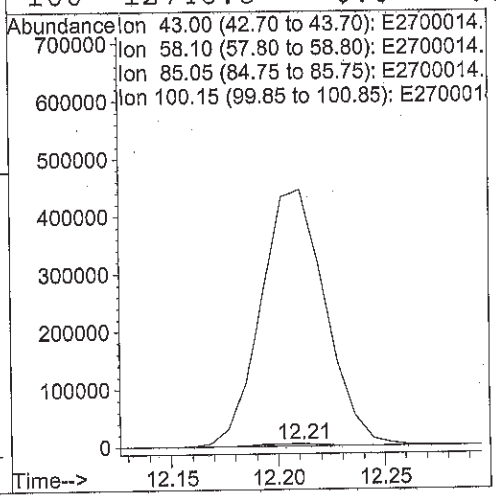


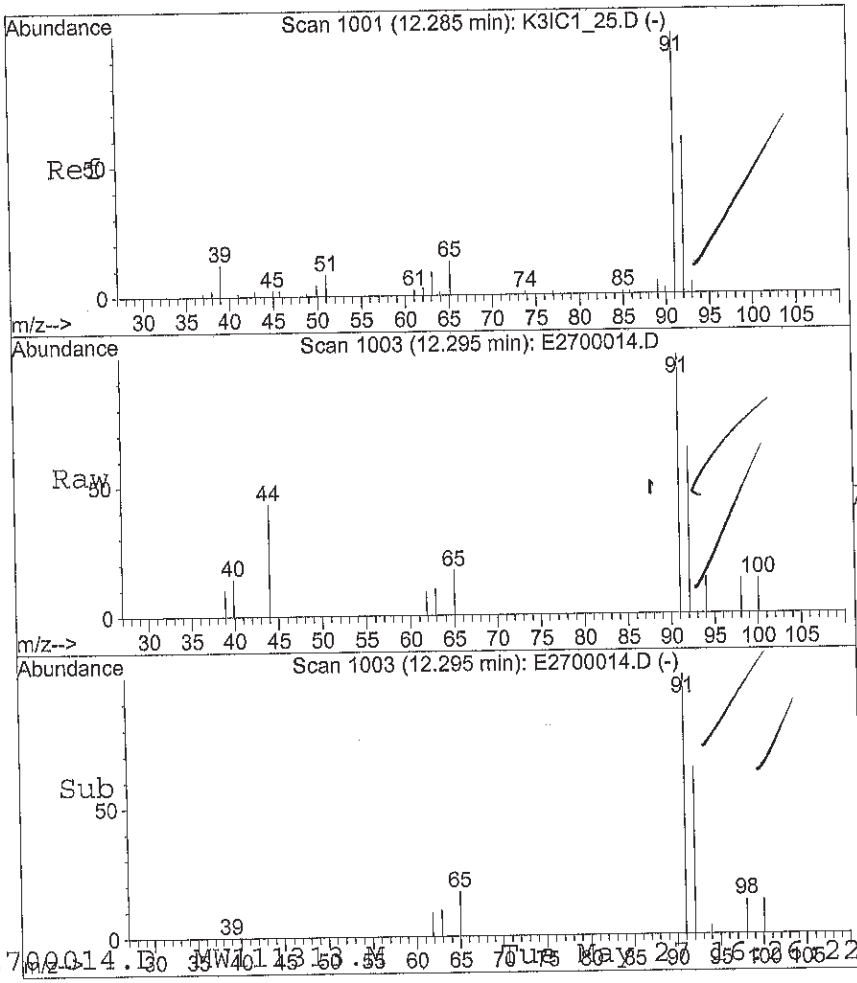


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.99 ug/L
RT: 12.21 min Scan# 993
Delta R.T. 0.09 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 43 Resp: 7320

Ion	Ratio	Lower	Upper
43	100		
58	122.9	0.0	0.0#
85	0.0	0.0	0.0
100	12746.8	0.0	0.0#

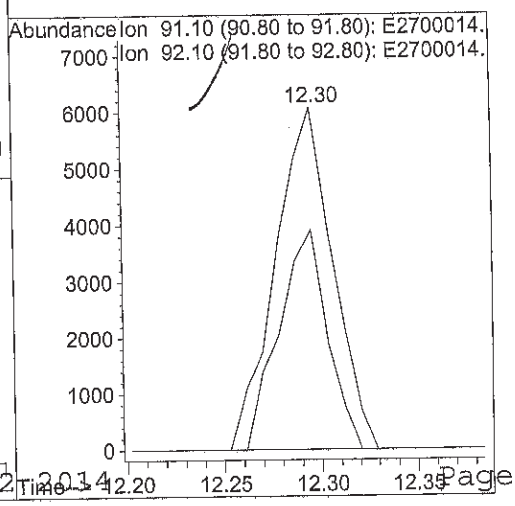


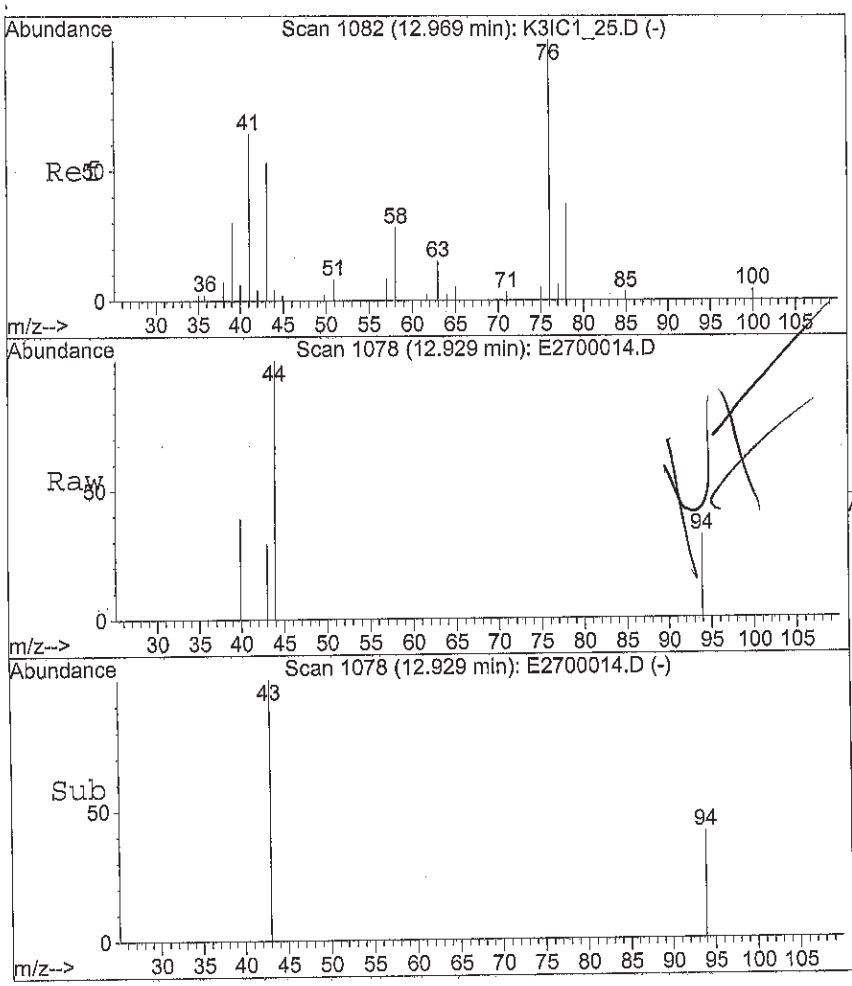


#41
Toluene
Concen: 0.74 ug/L
RT: 12.30 min Scan# 1003
Delta R.T. 0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 12428

Ion	Ratio	Lower	Upper
91	100		
92	54.3	47.4	71.0

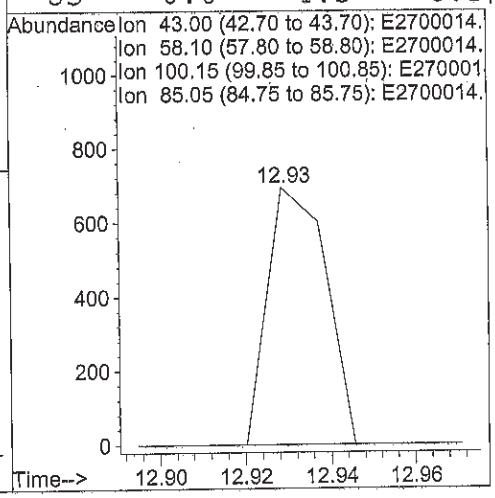


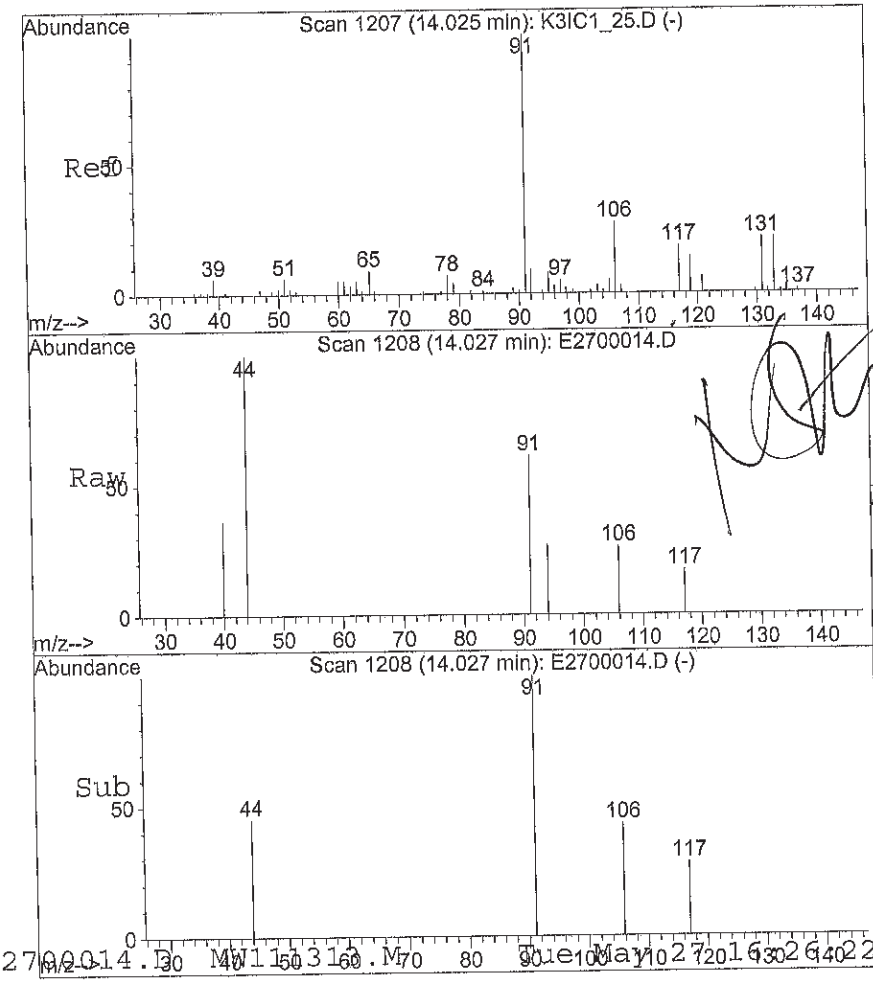


#46
2-Hexanone
Concen: 0.24 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.04 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 43 Resp: 656

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

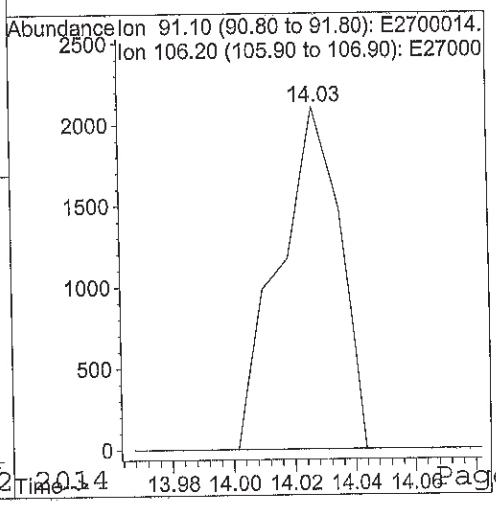


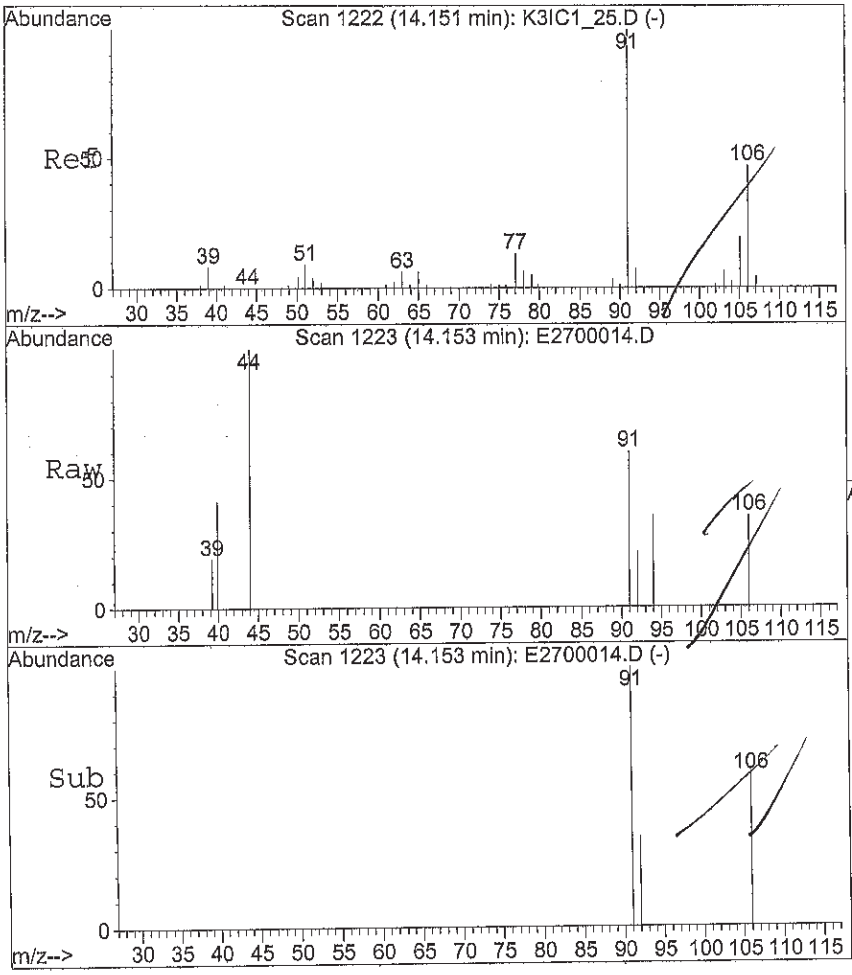


#51
Ethylbenzene
Concen: 0.15 ug/L
RT: 14.03 min Scan# 1208
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 2908

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

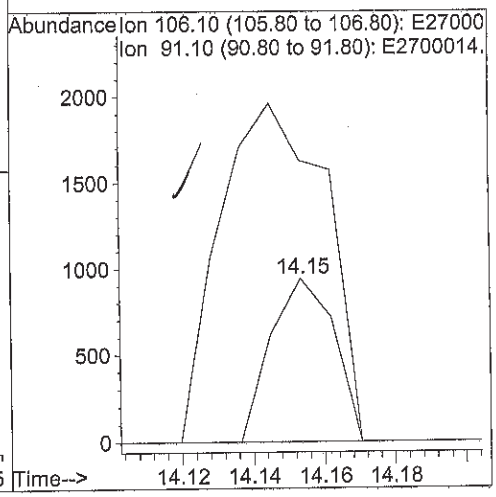


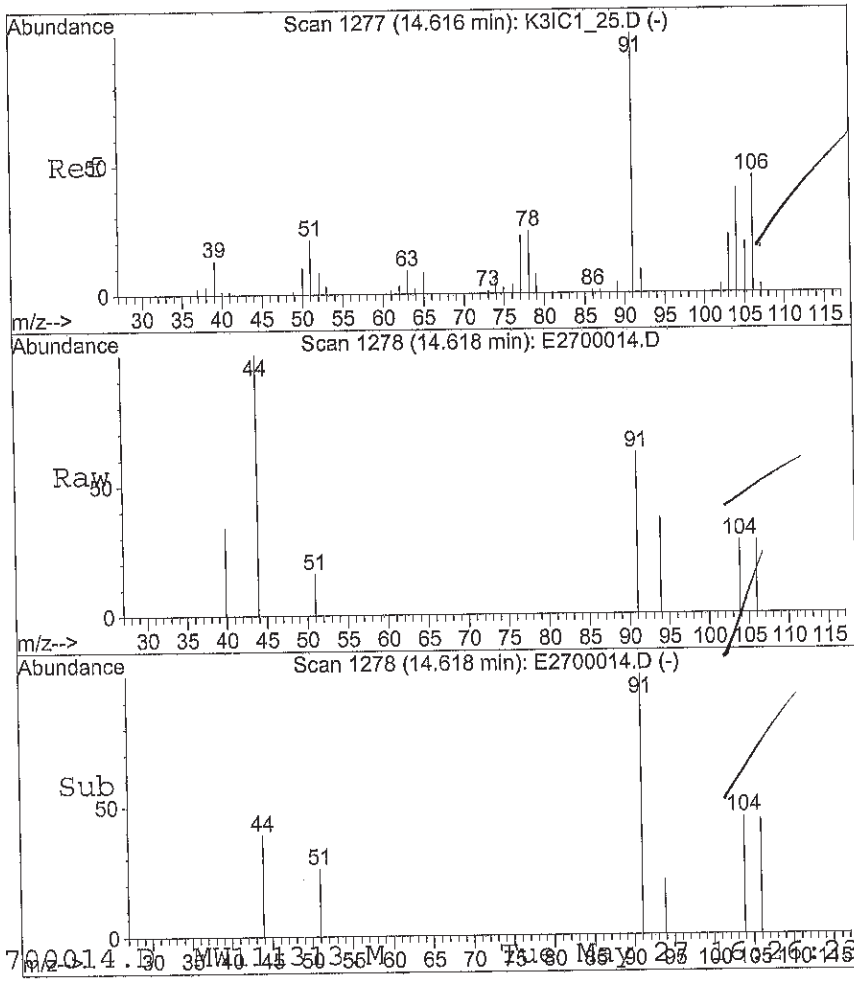


#52
m,p-Xylenes
Concen: 0.17 ug/L
RT: 14.15 min Scan# 1223
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:106 Resp: 1152

Ion	Ratio	Lower	Upper
106	100		
91	348.6	177.1	265.7#

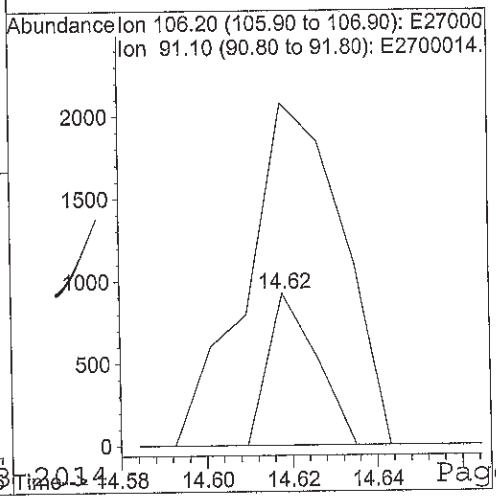


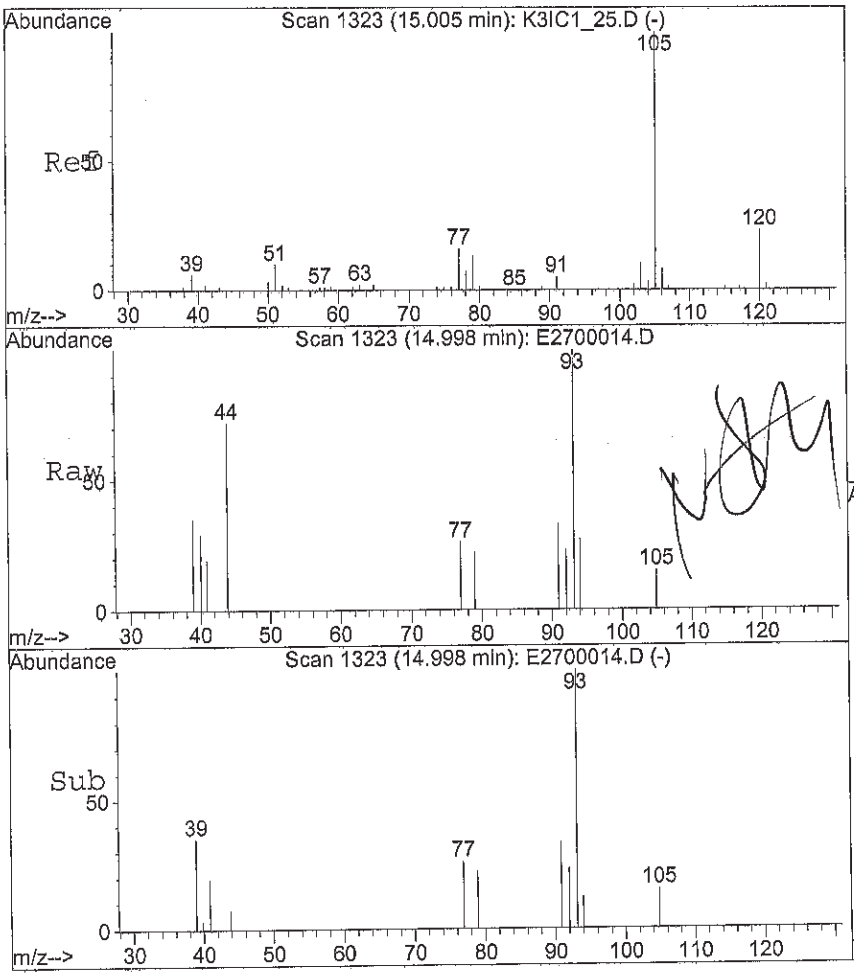


#53
o-Xylene
Concen: 0.11 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:106 Resp: 729

Ion	Ratio	Lower	Upper
106	100		
91	446.8	179.0	268.6#

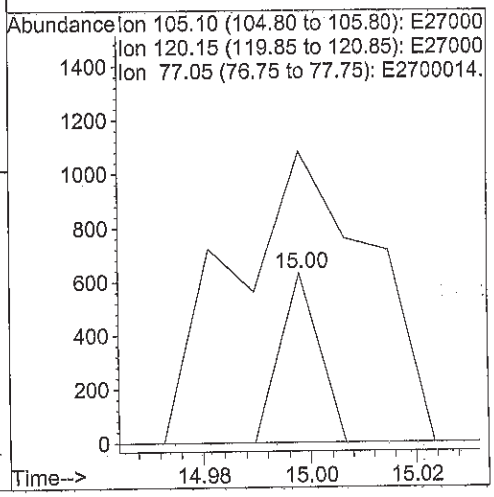


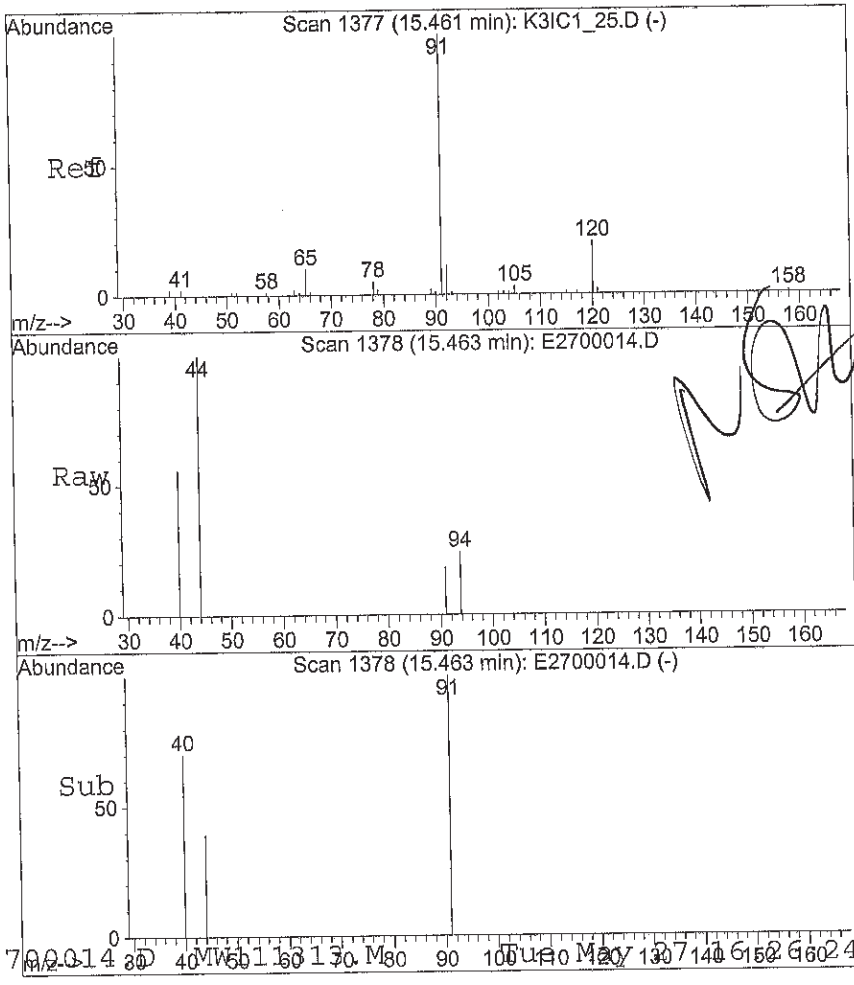


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:105 Resp: 320

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	607.8	13.1	19.7#

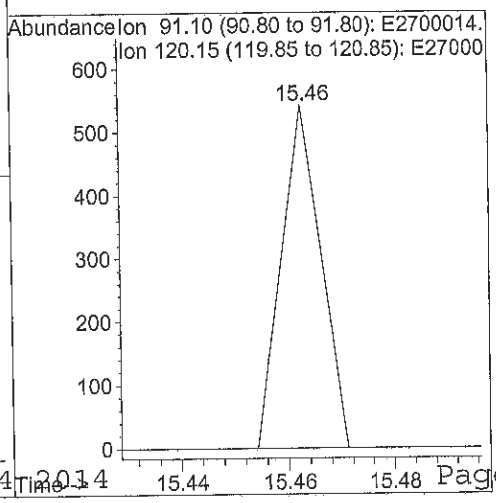


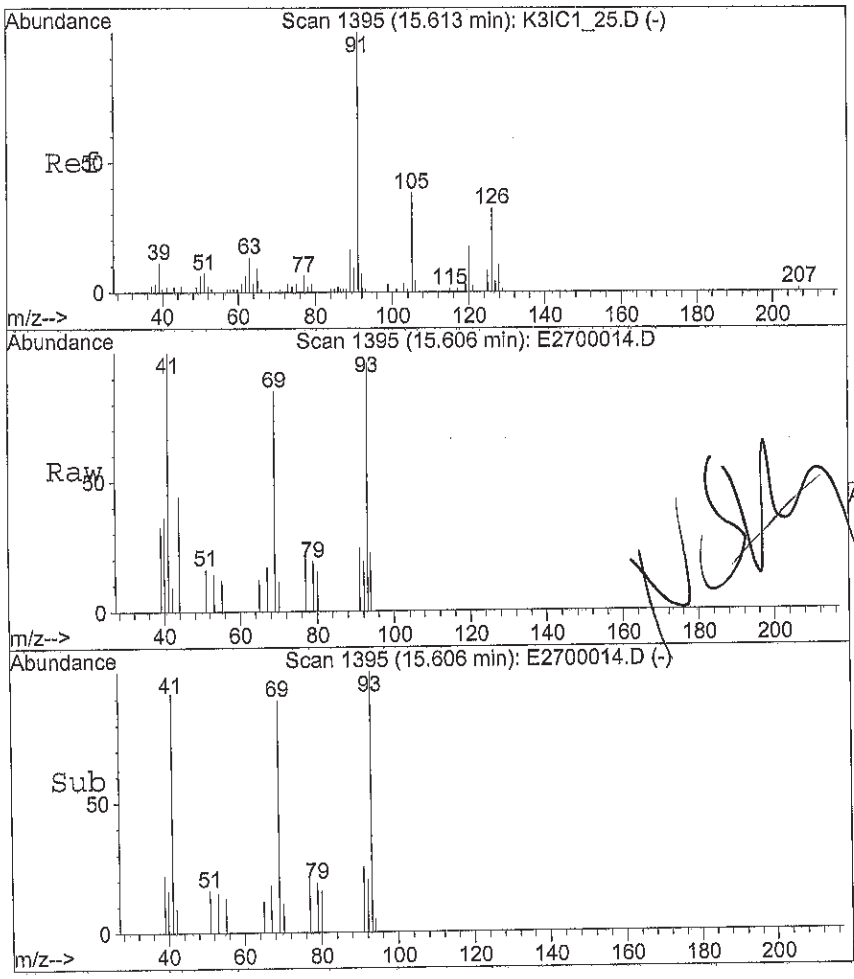


#62
n-Propylbenzene
Concen: 0.01 ug/L
RT: 15.46 min Scan# 1378
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 274

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

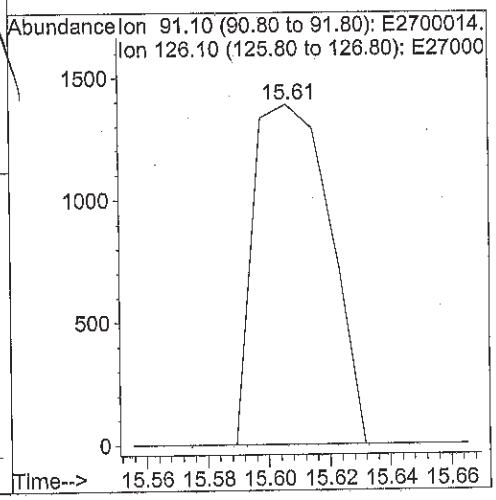


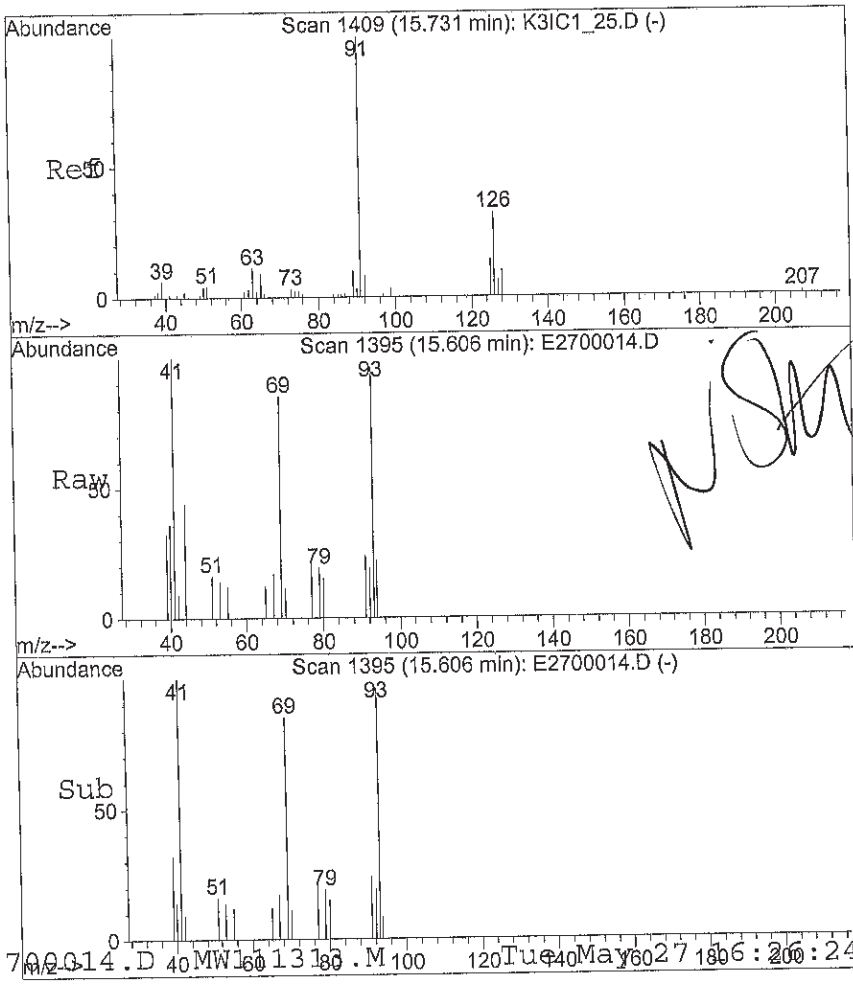


#63
2-Chlorotoluene
Concen: 0.15 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 2396

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

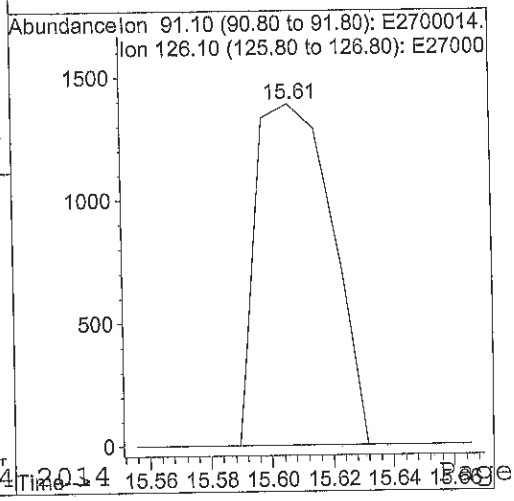


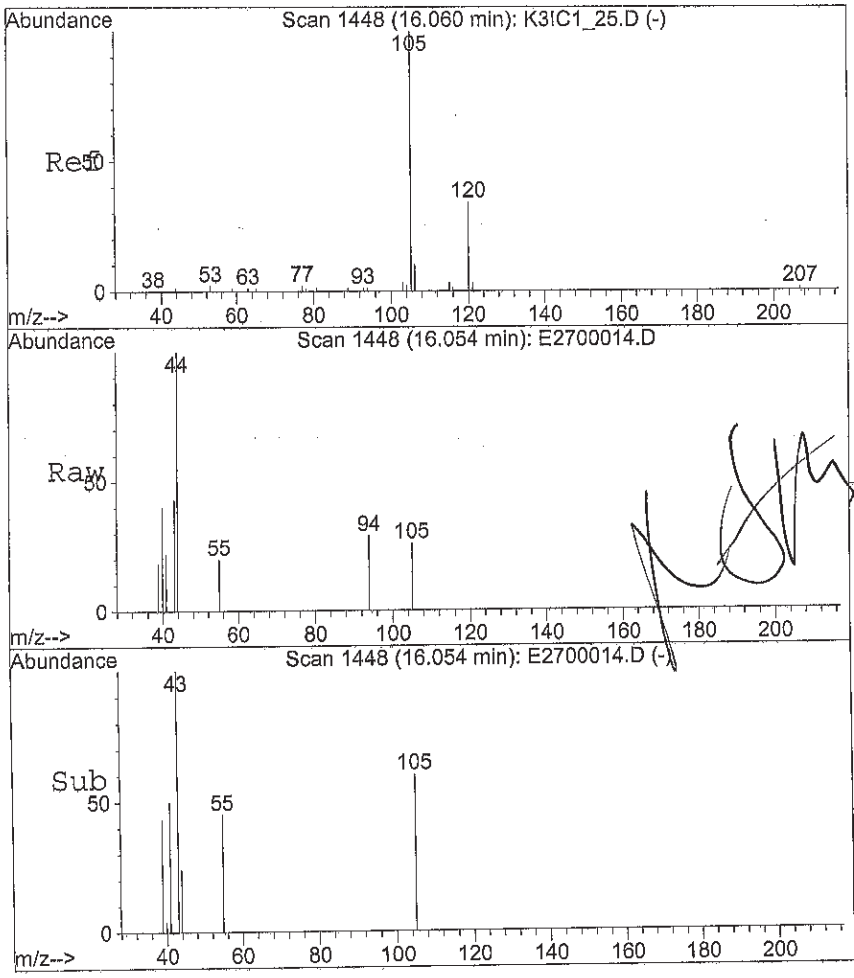


#65
4-Chlorotoluene
Concen: 0.16 ug/L
RT: 15.61 min Scan# 1395
Delta R.T. -0.12 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 2396

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

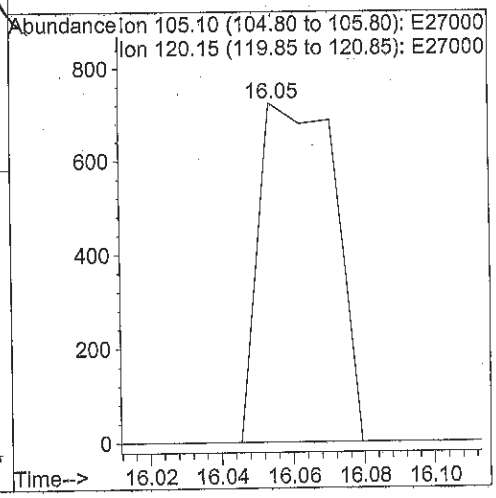


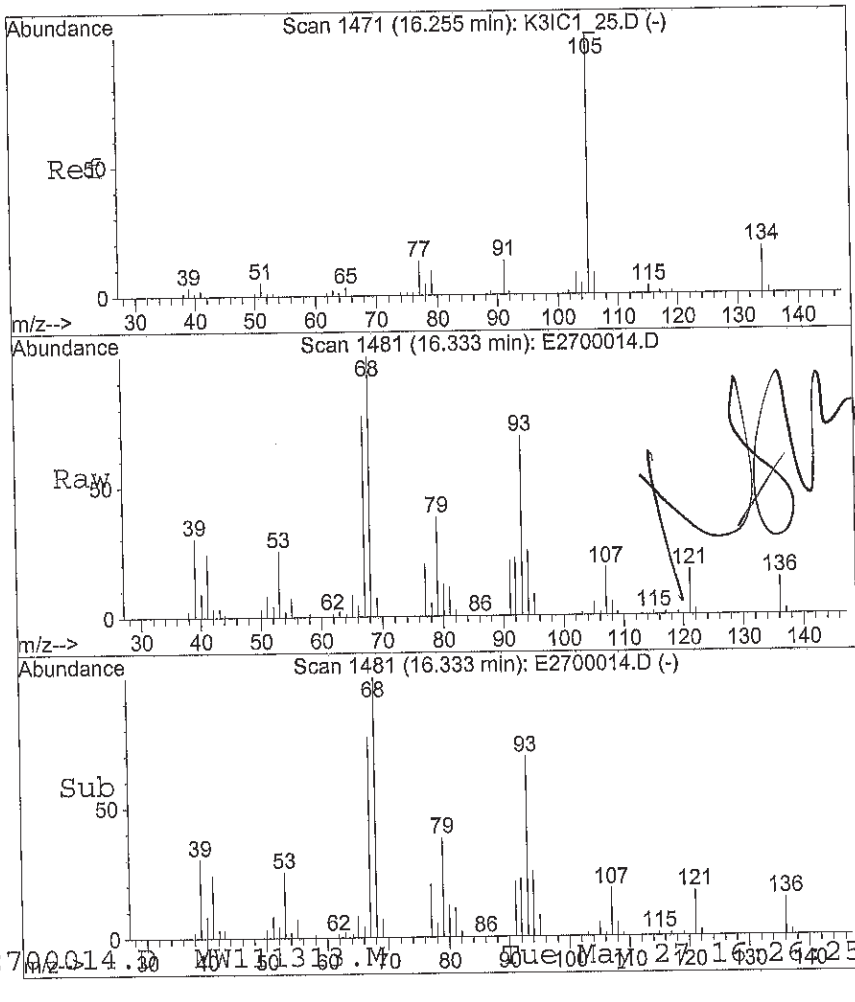


#67
1,2,4-Trimethylbenzene
Concen: 0.06 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:105 Resp: 1059

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

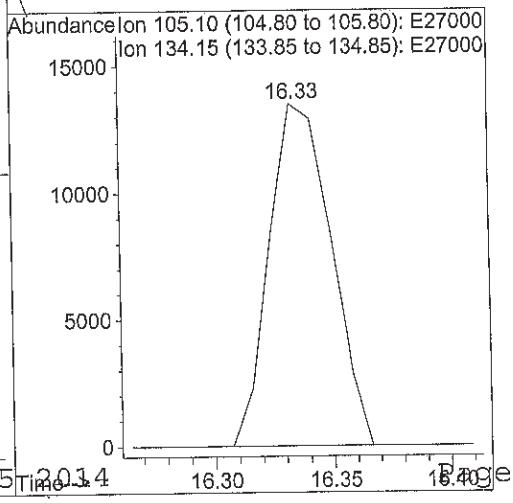


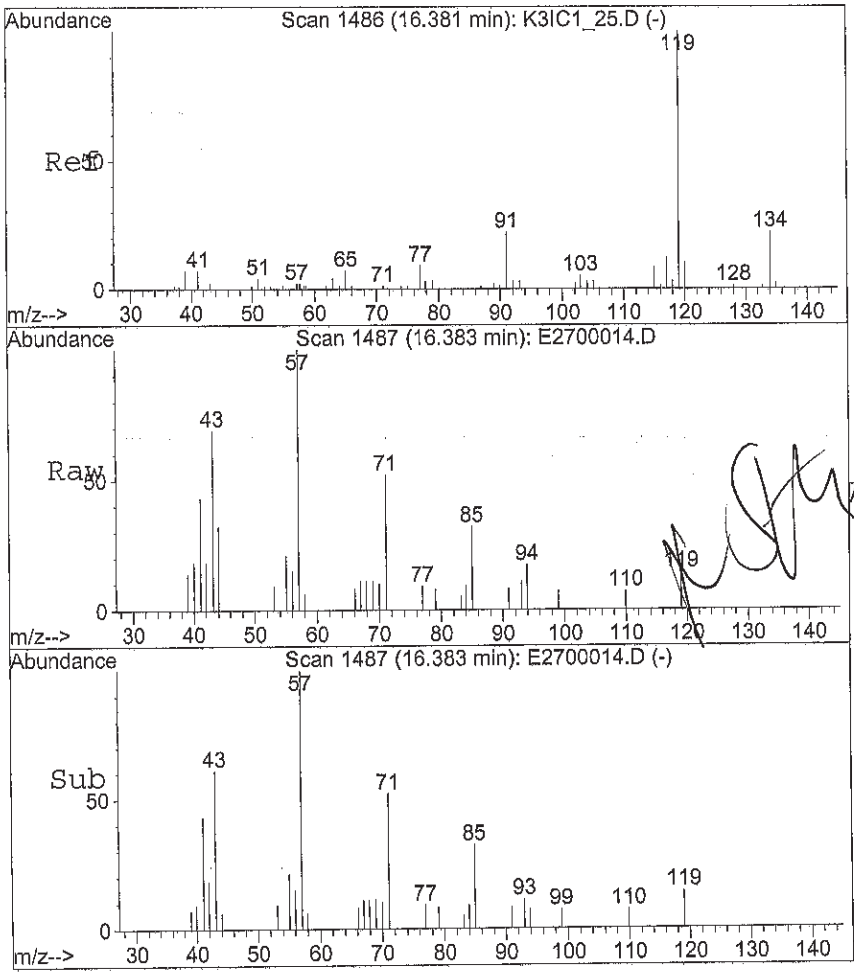


#68
sec-Butylbenzene
Concen: 1.13 ug/L
RT: 16.33 min Scan# 1481
Delta R.T. 0.08 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:105 Resp: 24414

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

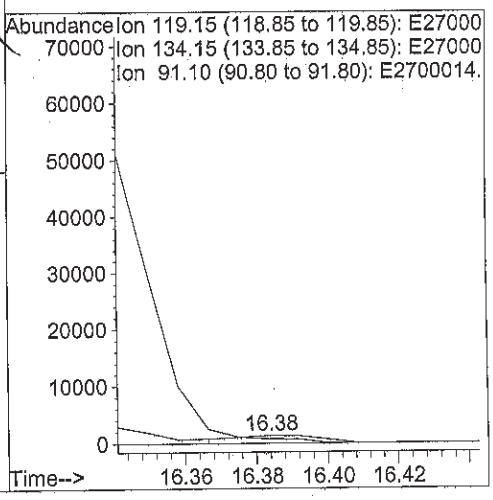


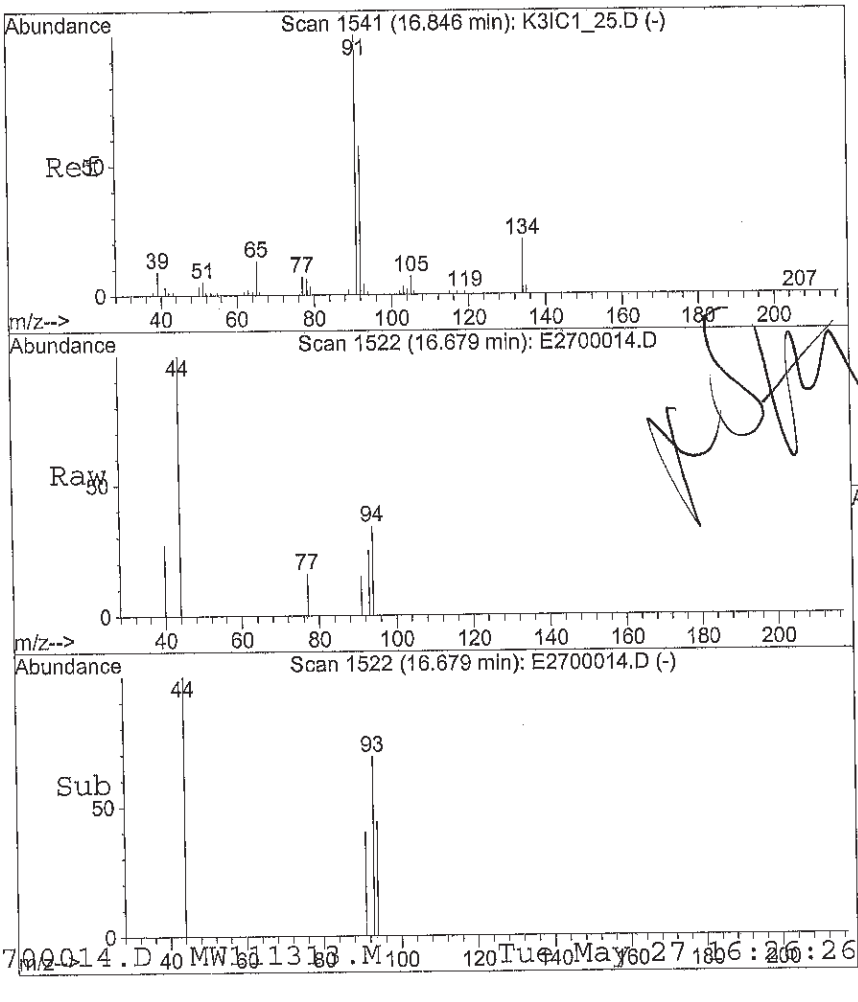


#69
p-Isopropyltoluene
Concen: 0.12 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:119 Resp: 2197

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

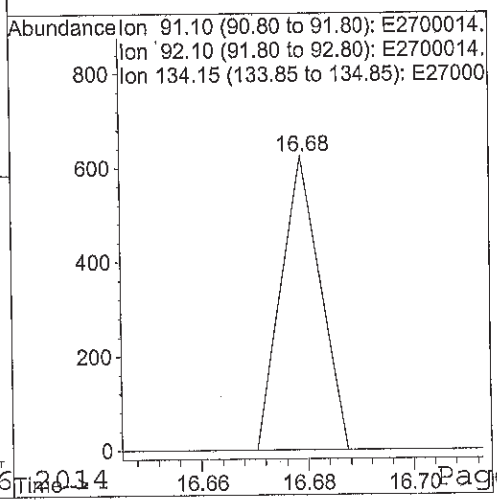


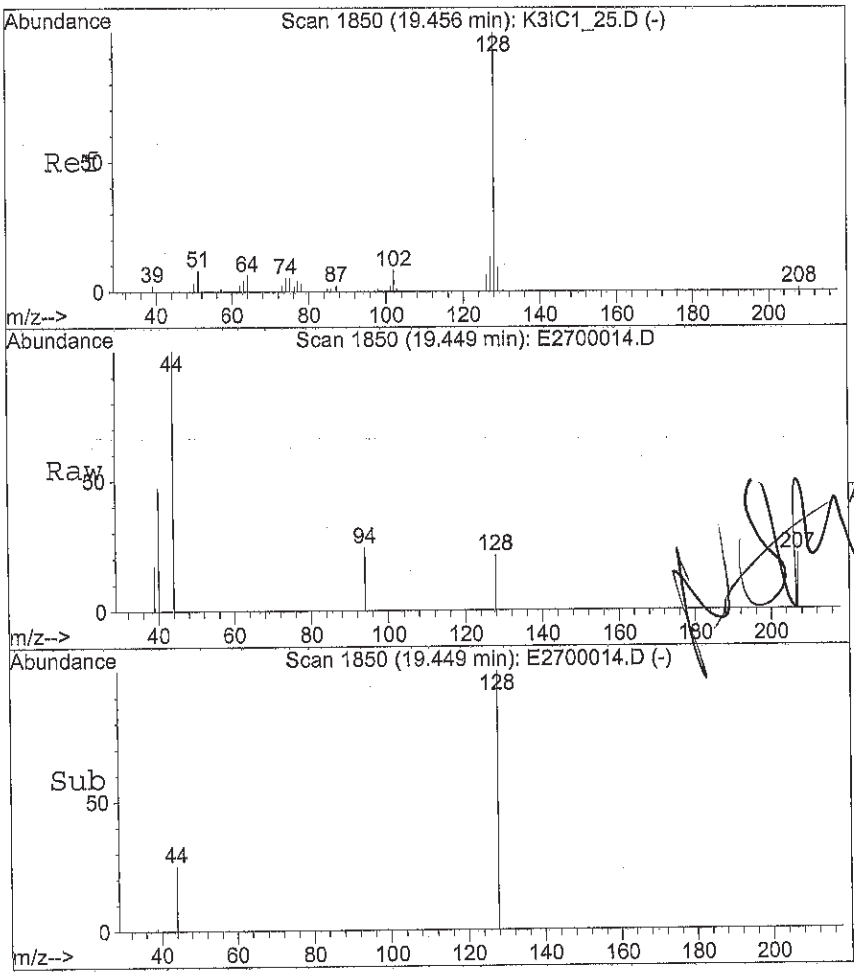


#72
n-Butylbenzene
Concen: 0.02 ug/L
RT: 16.68 min Scan# 1522
Delta R.T. -0.17 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion: 91 Resp: 316

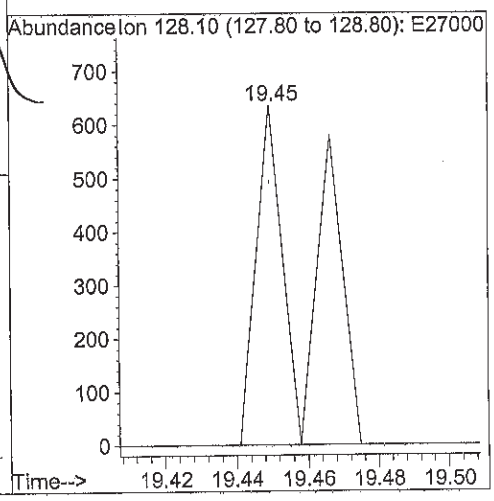
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.0	70.4#
134	0.0	18.1	27.1#





#77
Naphthalene
Concen: 0.05 ug/L
RT: 19.45 min Scan# 1850
Delta R.T. -0.01 min
Lab File: E2700014.D
Acq: 27 May 2014 4:04 pm

Tgt Ion:128 Resp: 616



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700014.D Vial: 5
Acq On : 27 May 2014 4:04 pm Operator: DN
Sample : 3E42701-11 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-16.75-17.75 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:25 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1558226	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1224504	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	643267	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	436452	10.77	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.16%			
3) Chloroform-d (SU6)	9.19	84	712297	12.25	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 98.00%			
4) Methylene Chloride-d2 (SU5	7.07	86	399253	11.75	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 94.00%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	437553	15.80	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 126.40%#			
6) Benzene-d6 (SU7)	9.93	84	1362590	11.14	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.12%			
8) Toluene-d8 (SU3)	12.21	98	1377020	11.85	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.80%			
9) 4-Bromofluorobenzene (SU4)	15.23	95	680731	14.19	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 113.52%			

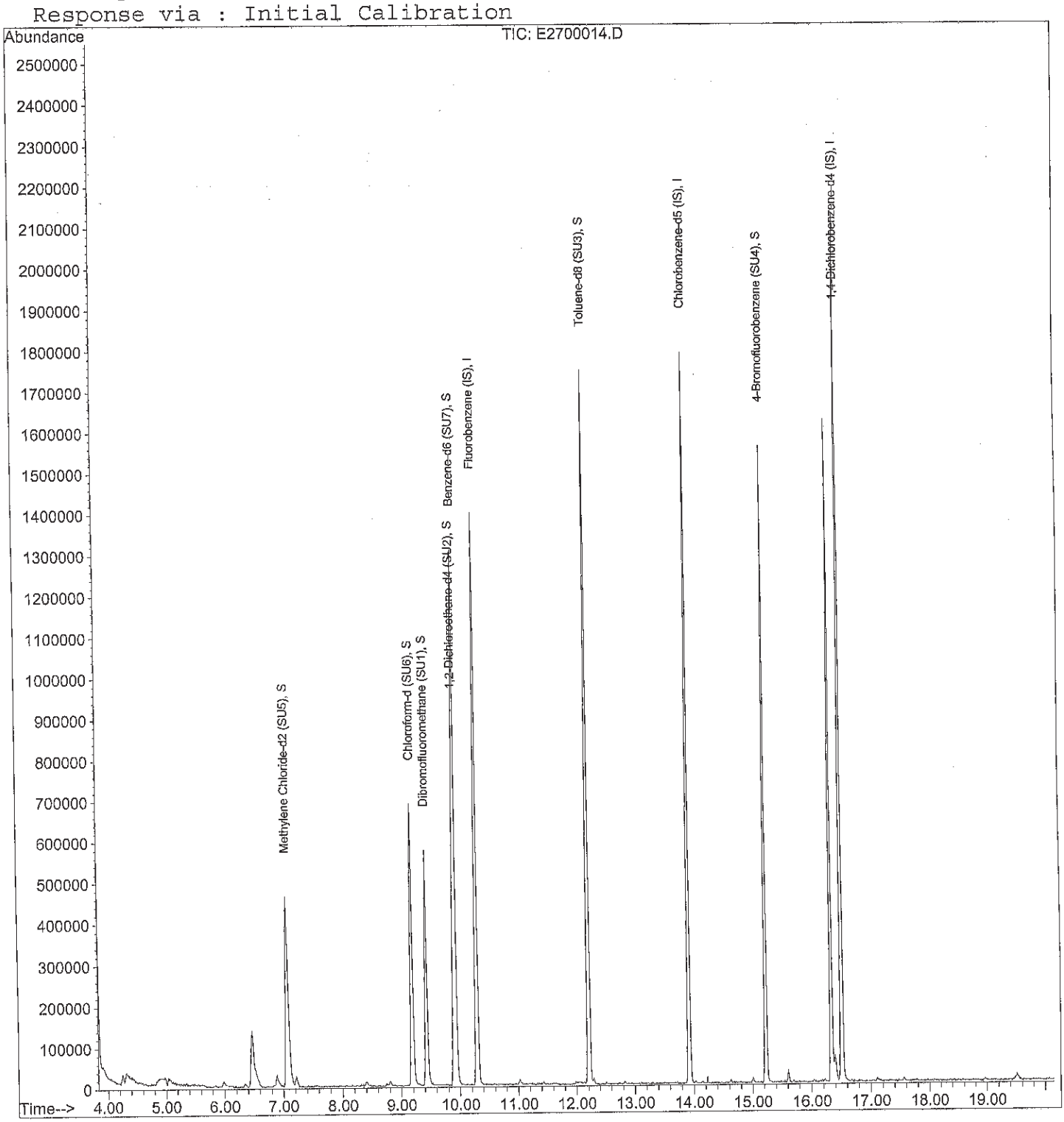
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700014.D Vial: 5
Acq On : 27 May 2014 4:04 pm Operator: DN
Sample : 3E42701-11 Inst : GC/MS Ins
Misc : 100cc SVL-512-SA5D-SV-16.75-17.75 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 16:25 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700015.D Vial: 6
Acq On : 27 May 2014 5:01 pm Operator: DN
Sample : 3E42701-12 Inst : GC/MS Ins
Misc : 100cc FB-052714 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 17:22 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1656895	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1256682	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	652135	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	464949	11.25	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.00%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	447485	11.39	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.12%			
39) Toluene-d8 (SU3)	12.20	98	1465222	12.50	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 100.00%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	663833	12.92	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 103.36%			
Target Compounds						Qvalue
4) Chloromethane	4.42	50	1389	-0.72	ug/L #	41
6) Bromomethane	5.14	96	2221	-0.56	ug/L #	1
7) Chloroethane	5.24	64	2585	2.56	ug/L #	51
11) Acetone	6.46	58	6283	4.82	ug/L #	59
12) (IPA) Leak Check Compound	6.49	45	23780	119.44	ug/L #	99
14) Methylene Chloride	7.07	84	6481	1.42	ug/L #	1
15) (TBA) tert-Butanol	6.92	59	352	1.25	ug/L #	77
21) (MEK) 2-Butanone	8.79	72	259	0.56	ug/L #	1
24) Chloroform	9.21	83	2146	0.25	ug/L #	11
31) Benzene	9.93	78	10024	0.64	ug/L #	76
32) 1,2-Dichloroethane	9.92	62	5695	1.03	ug/L #	1
36) Bromodichloromethane	11.33	83	271	0.05	ug/L #	21
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7322	2.92	ug/L #	100
41) Toluene	12.29	91	1384	0.08	ug/L	91
46) 2-Hexanone	12.96	43	1130	0.41	ug/L #	37
51) Ethylbenzene	14.02	91	535	0.03	ug/L #	45
54) Styrene	14.63	104	1140	-0.76	ug/L #	81
56) Isopropylbenzene	15.10	105	1441	0.08	ug/L #	55
62) n-Propylbenzene	15.53	91	98841	3.75	ug/L #	57
63) 2-Chlorotoluene	15.53	91	98841	6.09	ug/L #	45
64) 1,3,5-Trimethylbenzene	15.52	105	25396	1.56	ug/L #	34
65) 4-Chlorotoluene	15.53	91	98841	6.59	ug/L #	44

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052714L3\E2700015.D Vial: 6
Acq On : 27 May 2014 5:01 pm Operator: DN
Sample : 3E42701-12 Inst : GC/MS Ins
Misc : 100cc FB-052714 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 17:22 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

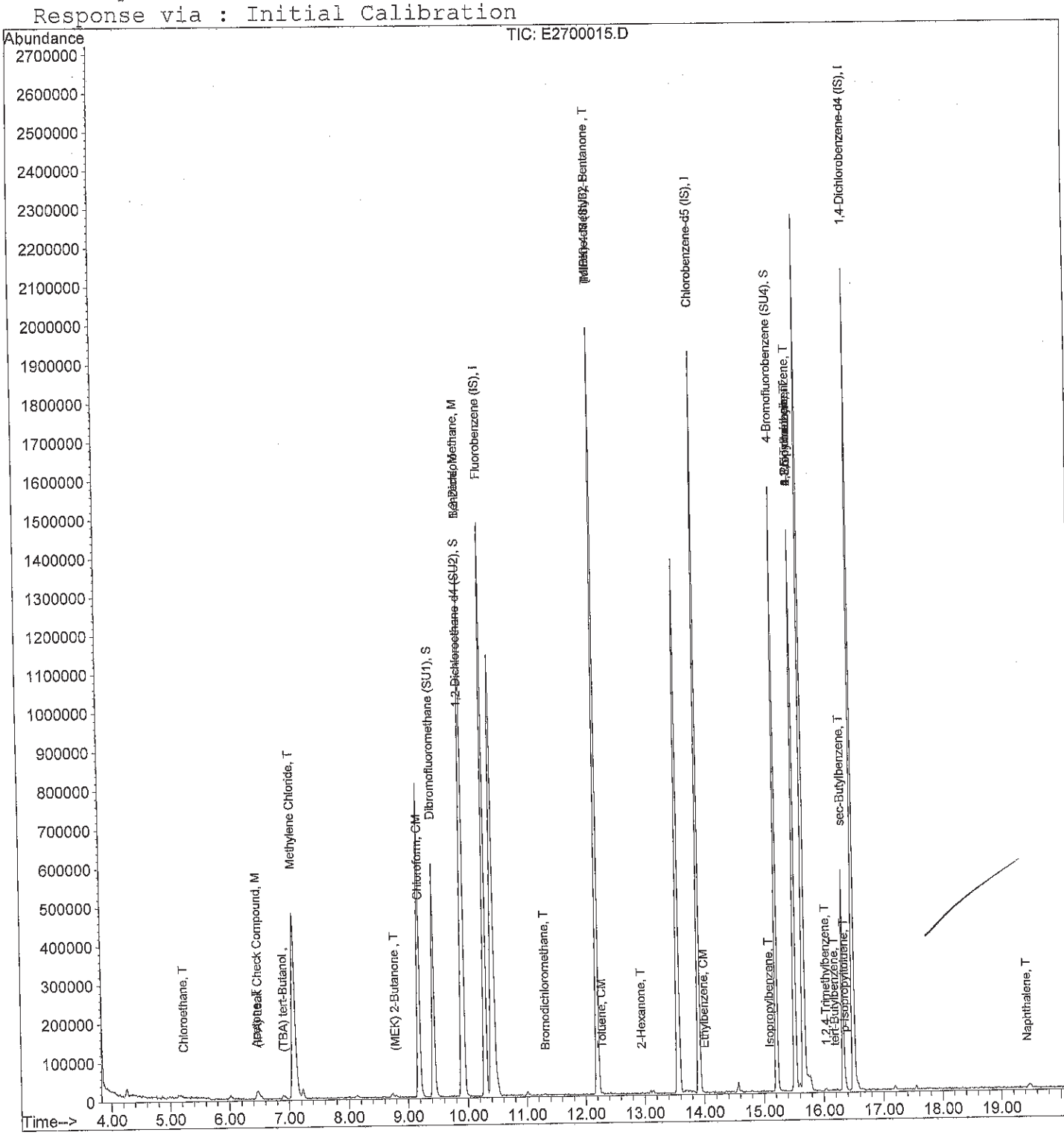
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
66) tert-Butylbenzene	16.21	119	287	0.02	ug/L #	24
67) 1,2,4-Trimethylbenzene	16.06	105	750	0.04	ug/L #	33
68) sec-Butylbenzene	16.33	105	7681	0.35	ug/L #	62
69) p-Isopropyltoluene	16.38	119	2194	0.12	ug/L #	52
77) Naphthalene	19.44	128	320	0.02	ug/L	100

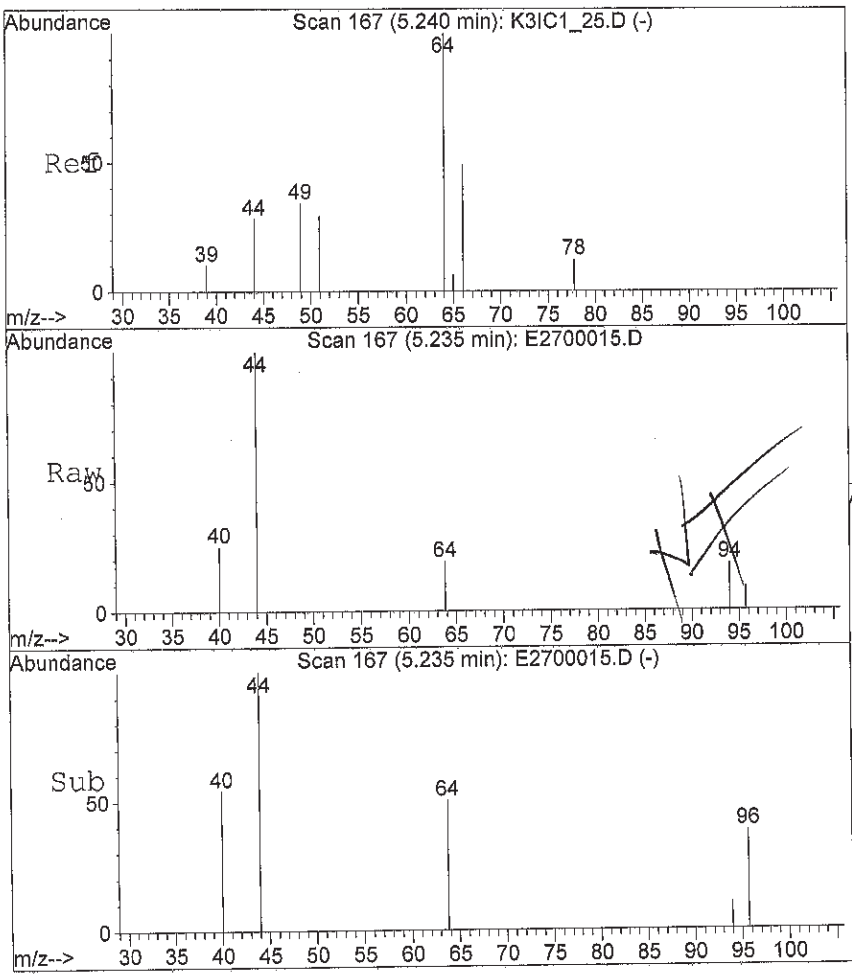
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700015.D Vial: 6
Acq On : 27 May 2014 5:01 pm Operator: DN
Sample : 3E42701-12 Inst : GC/MS Ins
Misc : 100cc FB-052714 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 17:22 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

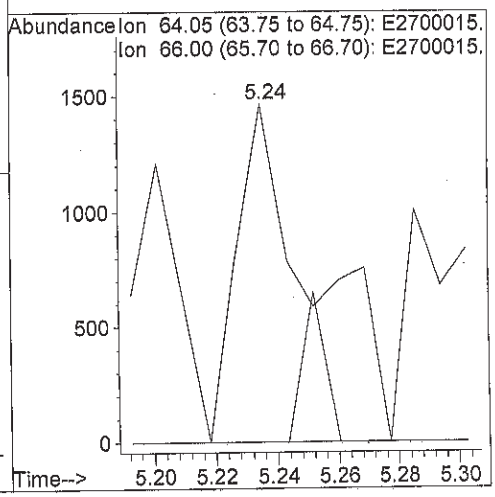


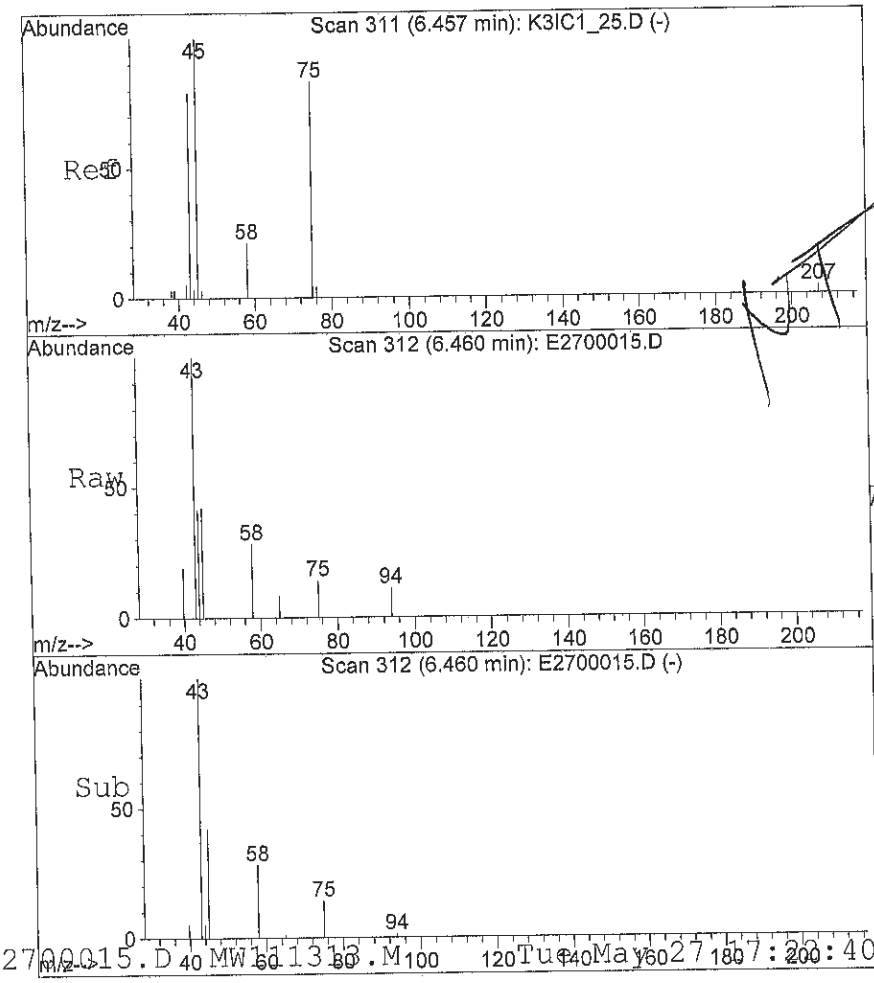


#7
Chloroethane
Concen: 2.56 ug/L
RT: 5.24 min Scan# 167
Delta R.T. -0.00 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 64 Resp: 2585

Ion	Ratio	Lower	Upper
64	100		
66	12.7	35.4	53.0#

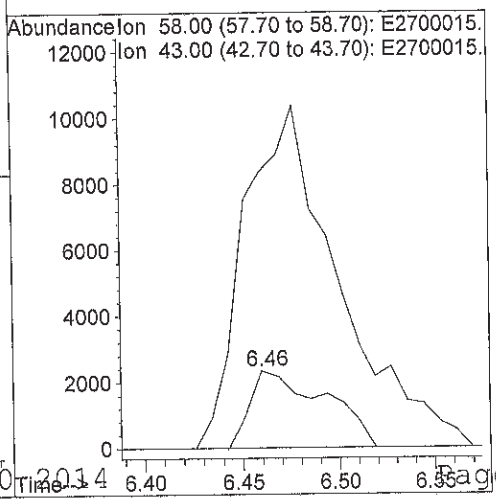


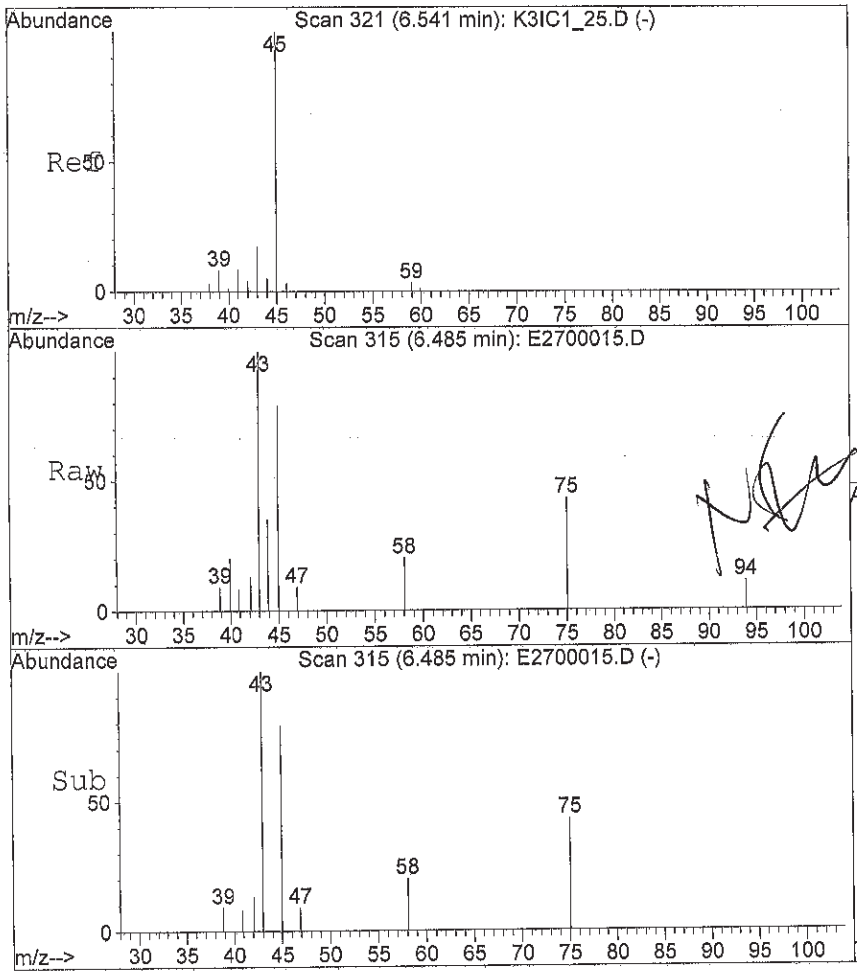


#11
Acetone
Concen: 4.82 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.00 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 58 Resp: 6283

Ion	Ratio	Lower	Upper
58	100		
43	557.7	360.9	541.3#

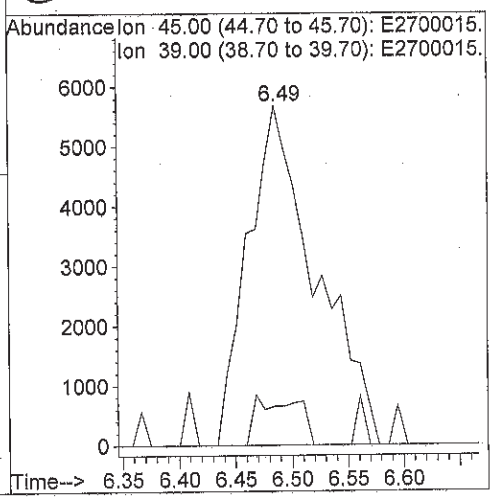


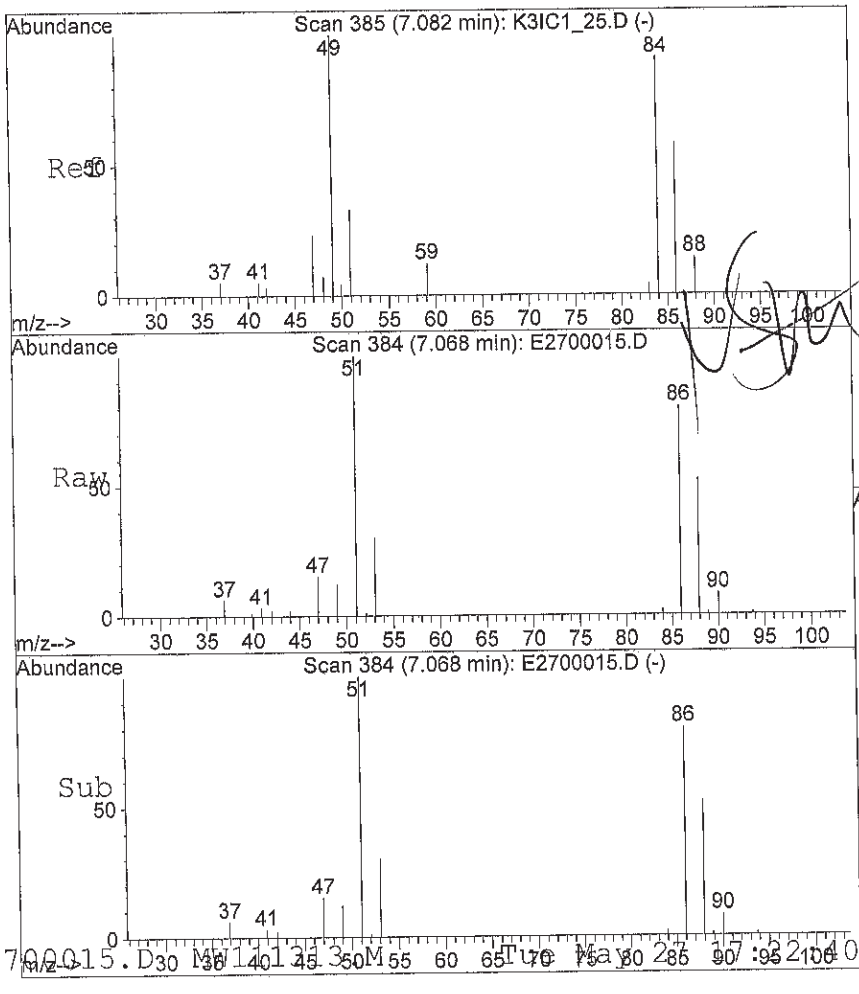


#12
(IPA) Leak Check Compound
Concen: 119.44 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.06 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 45 Resp: 23780

Ion	Ratio	Lower	Upper
45	100		
39	5.8	4.9	7.3

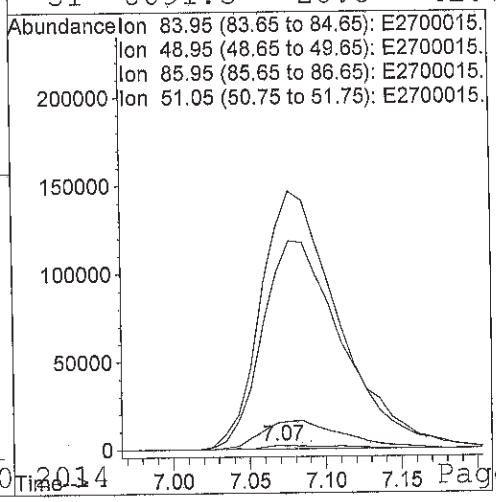


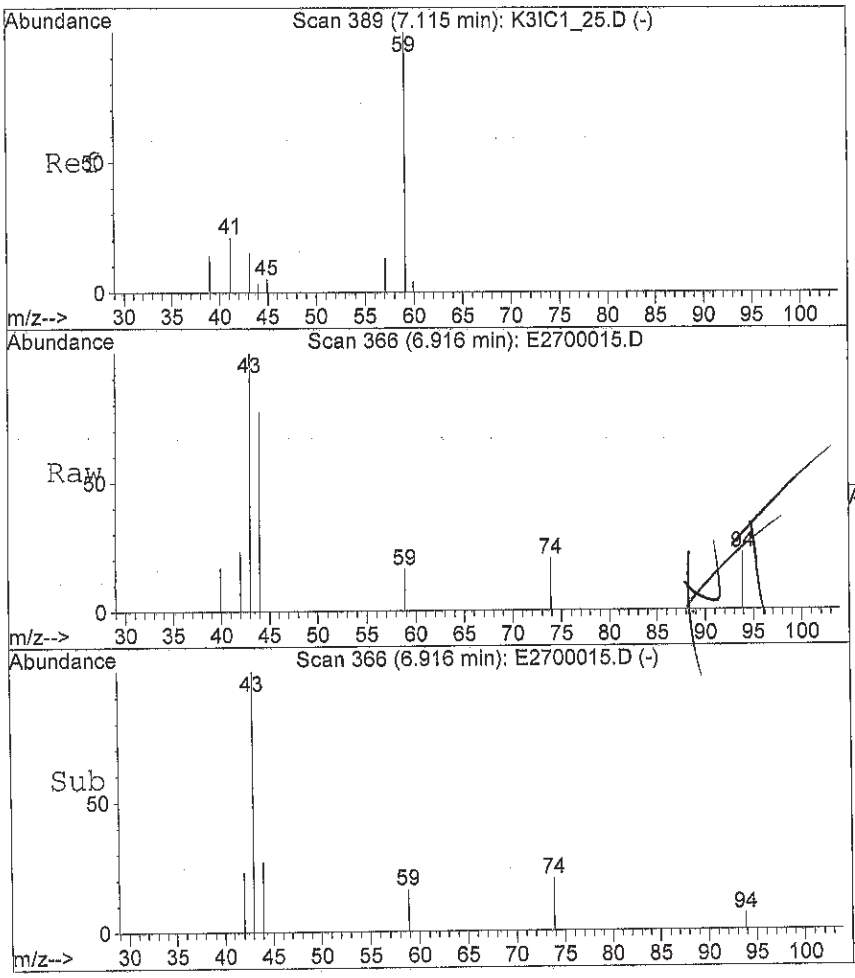


#14
Methylene Chloride
Concen: 1.42 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 84 Resp: 6481

Ion	Ratio	Lower	Upper
84	100		
49	912.9	89.8	134.6#
86	6745.1	51.1	76.7#
51	8091.5	28.5	42.7#

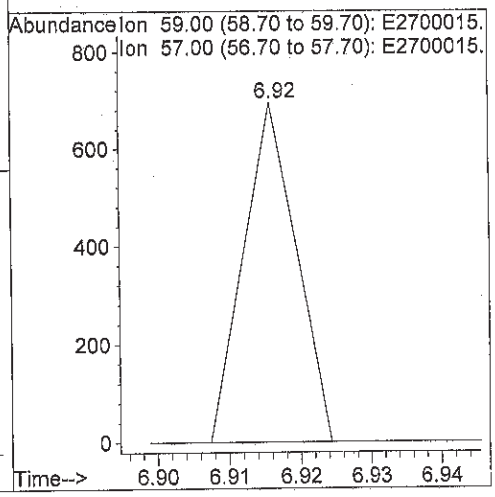


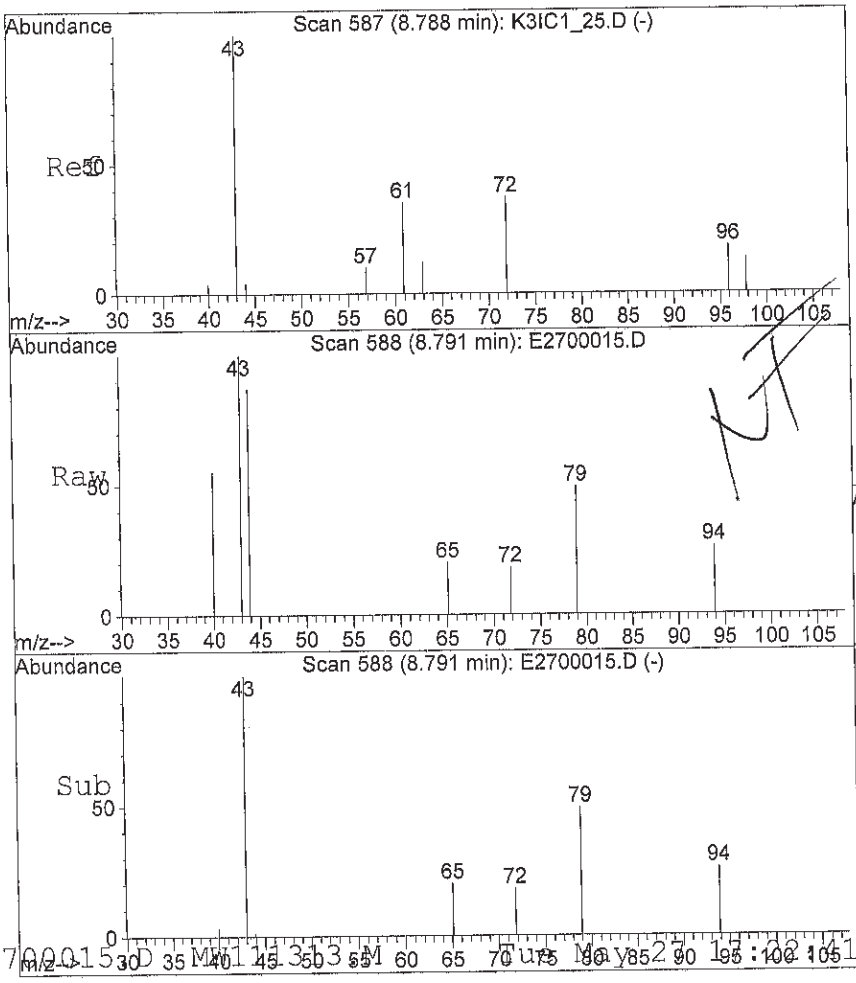


#15
(TBA) tert-Butanol
Concen: 1.25 ug/L
RT: 6.92 min Scan# 366
Delta R.T. -0.20 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 59 Resp: 352

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

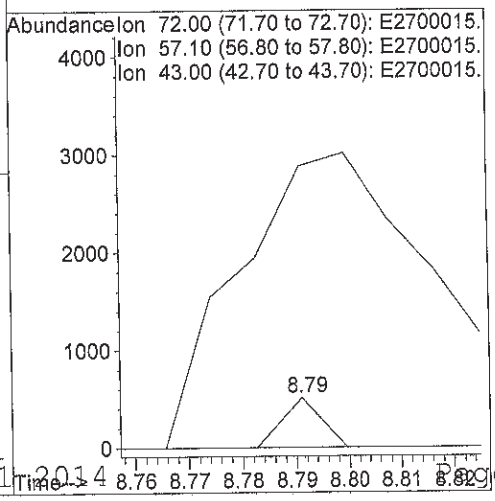


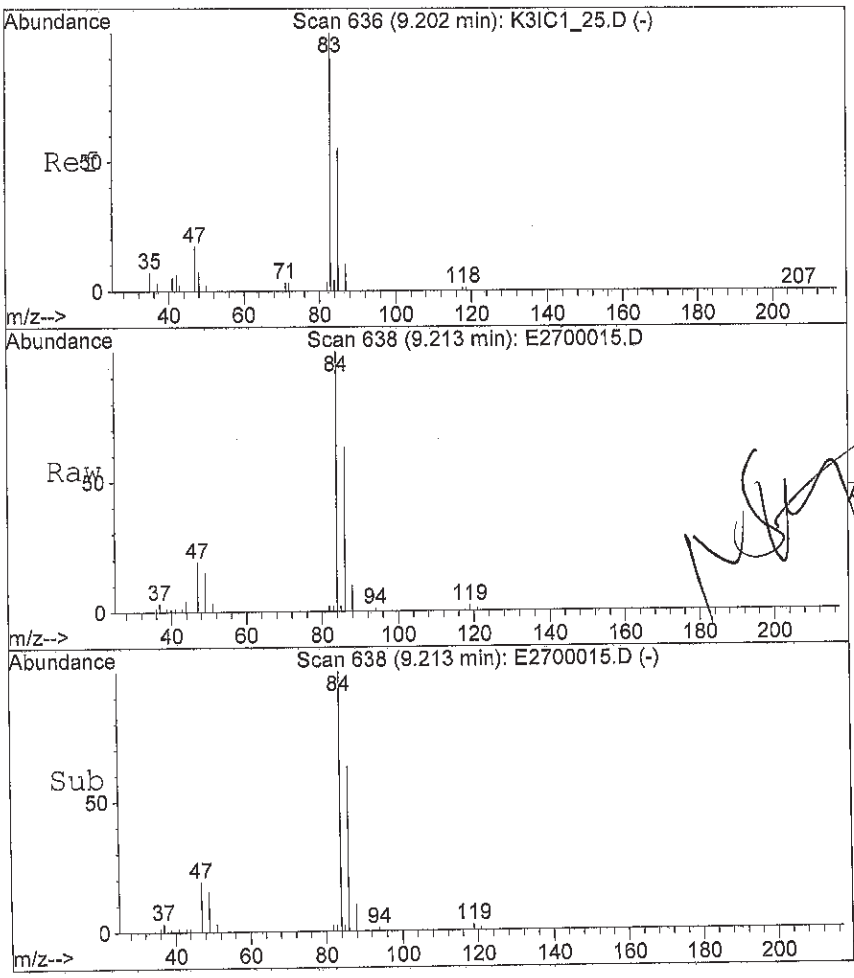


#21
(MEK) 2-Butanone
Concen: 0.56 ug/L
RT: 8.79 min Scan# 588
Delta R.T. 0.00 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 72 Resp: 259

Ion	Ratio	Lower	Upper
72	100		
57	0.0	17.5	26.3#
43	2876.8	314.2	471.2#

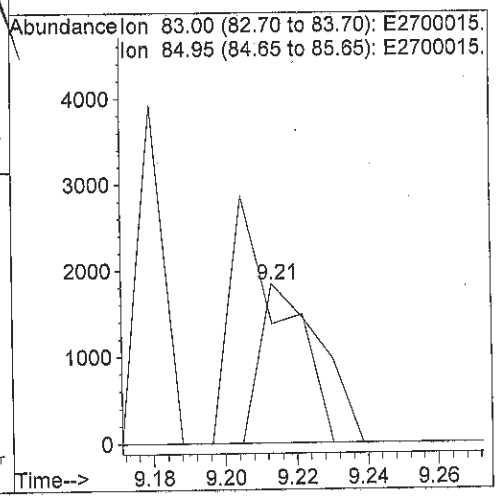


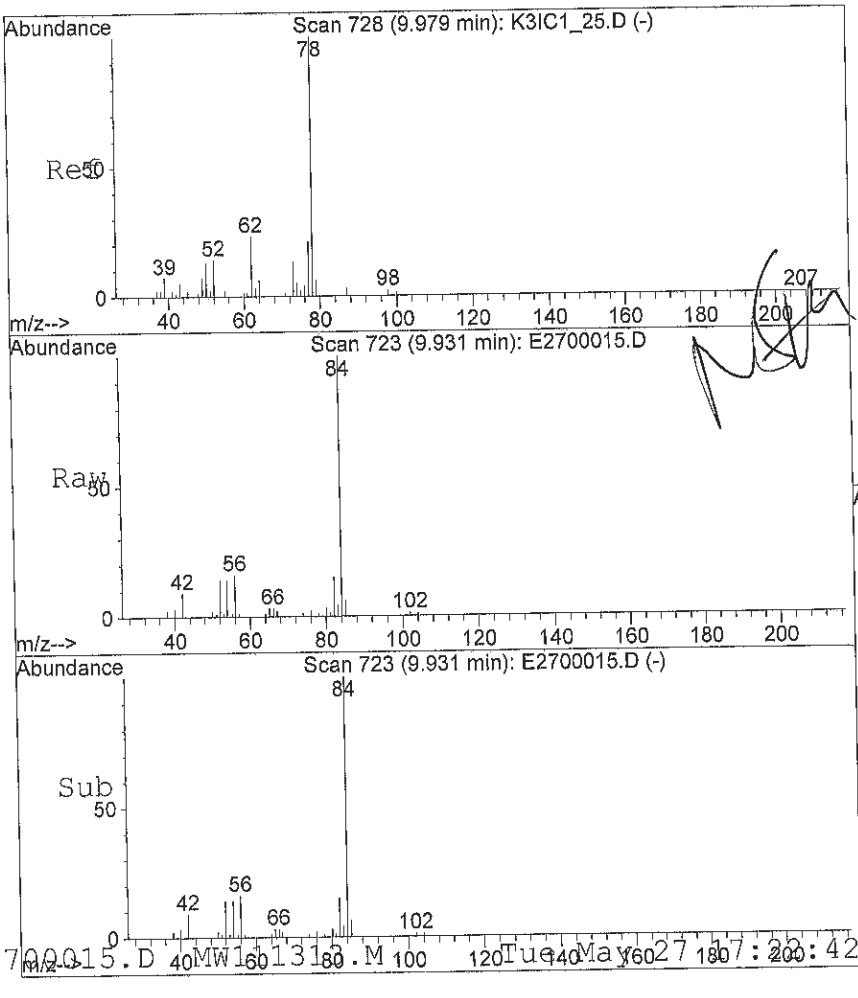


#24
Chloroform
Concen: 0.25 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 83 Resp: 2146

Ion	Ratio	Lower	Upper
83	100		
85	134.9	51.8	77.6#

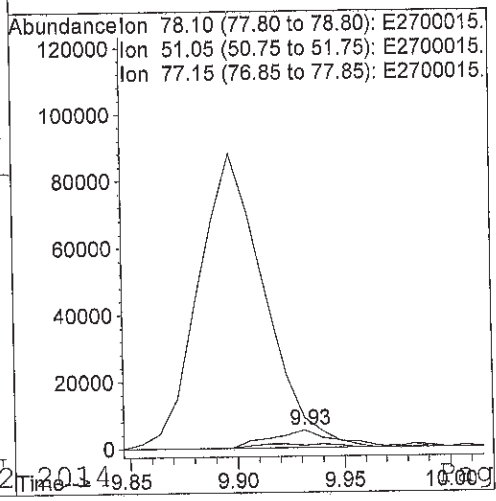


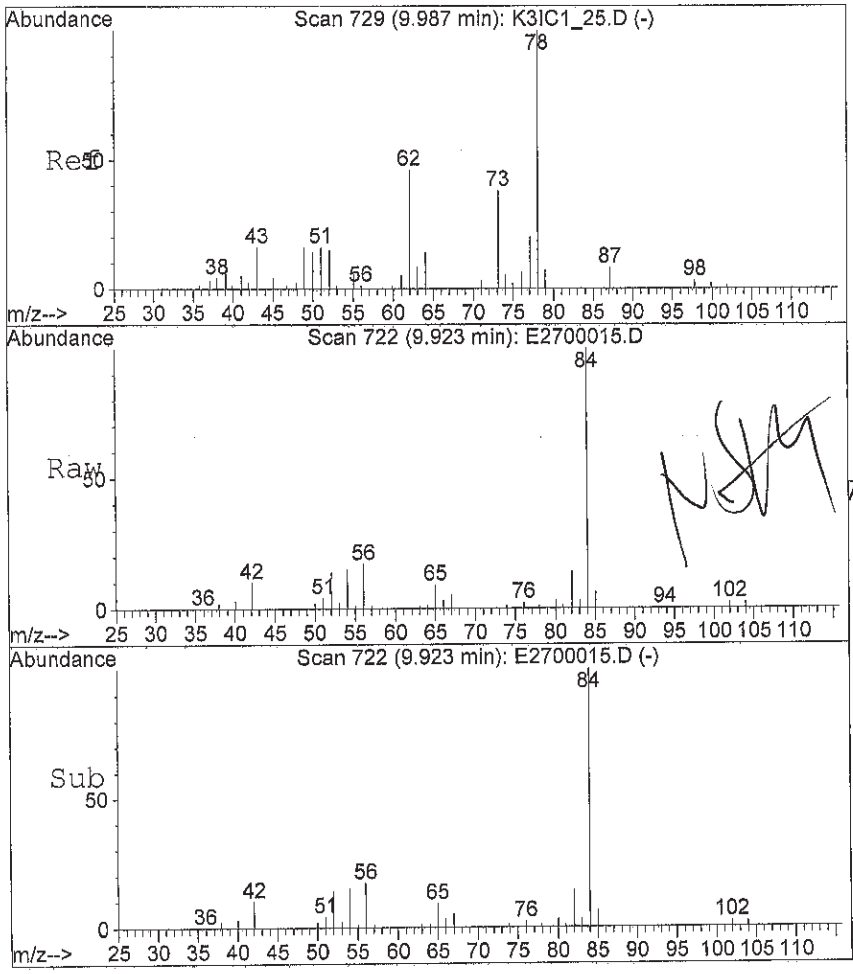


#31
Benzene
Concen: 0.64 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.05 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 78 Resp: 10024

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	25.6	16.6	24.8#

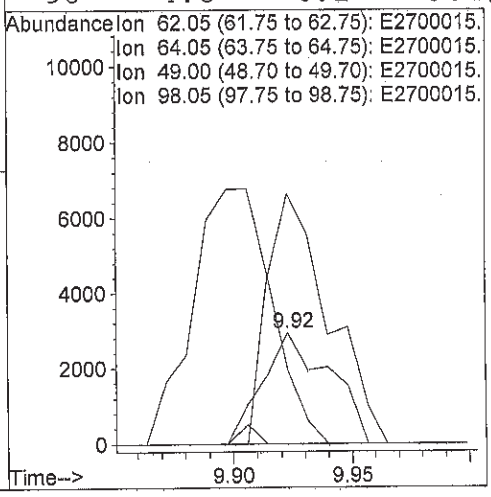


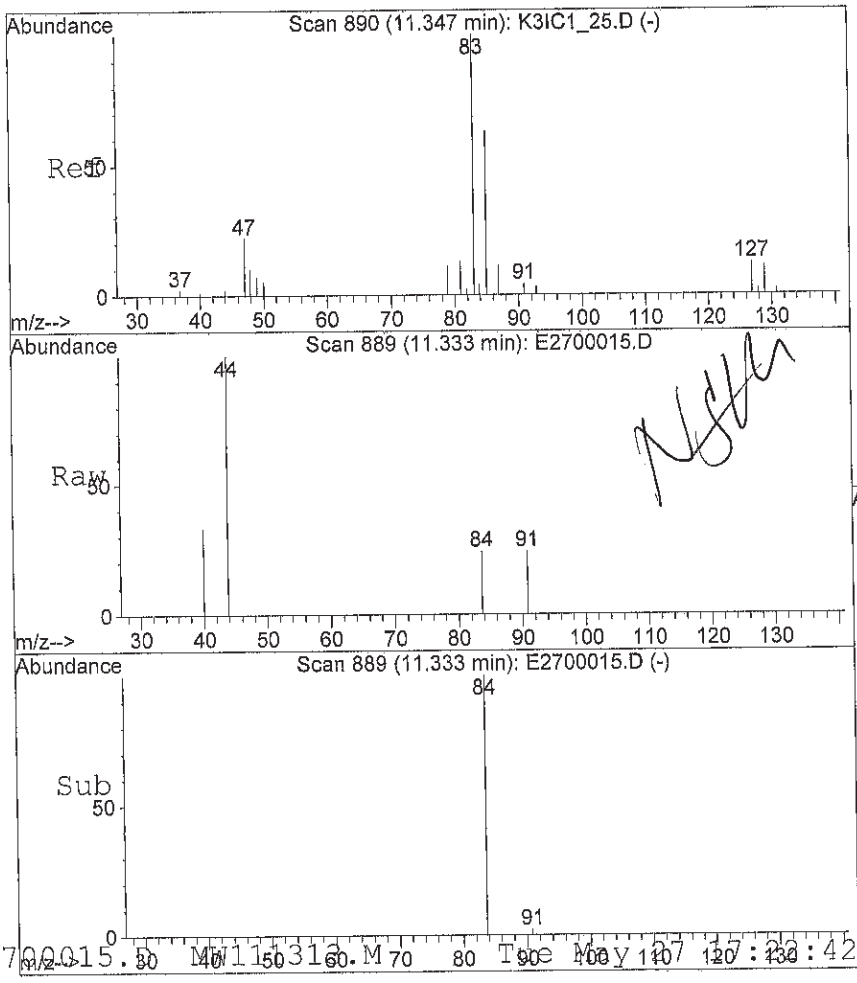


#32
1,2-Dichloroethane
Concen: 1.03 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 62 Resp: 5695

Ion	Ratio	Lower	Upper
62	100		
64	209.1	28.0	42.0#
49	271.5	28.5	42.7#
98	4.5	6.2	9.4#

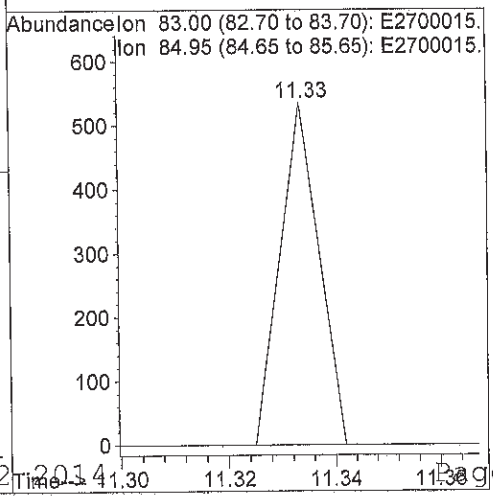


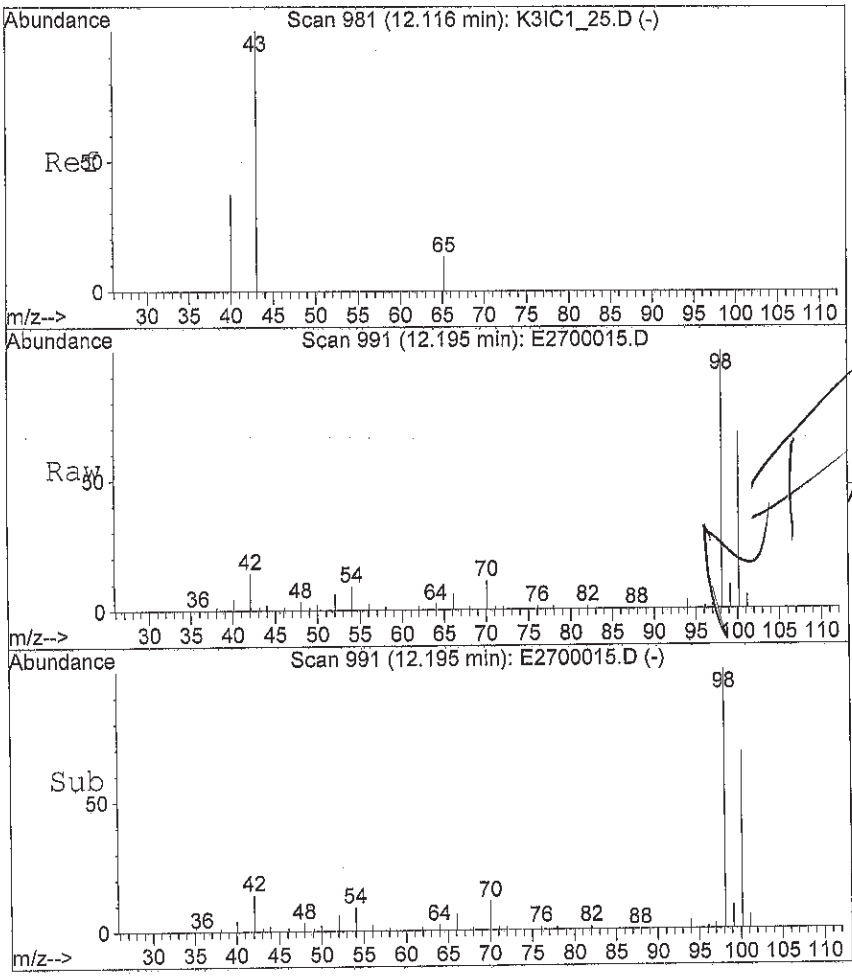


#36
Bromodichloromethane
Concen: 0.05 ug/L
RT: 11.33 min Scan# 889
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 83 Resp: 271

Ion	Ratio	Lower	Upper
83	100		
85	0.0	48.2	72.2#

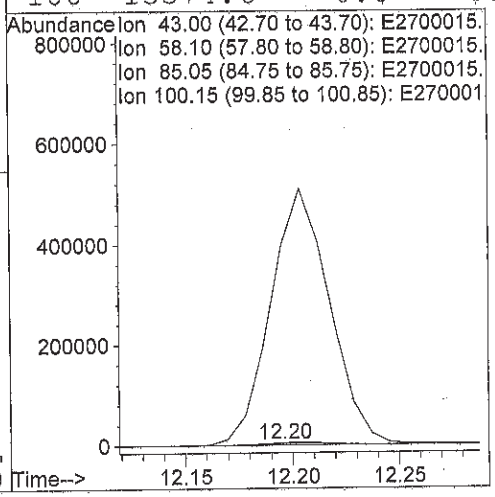


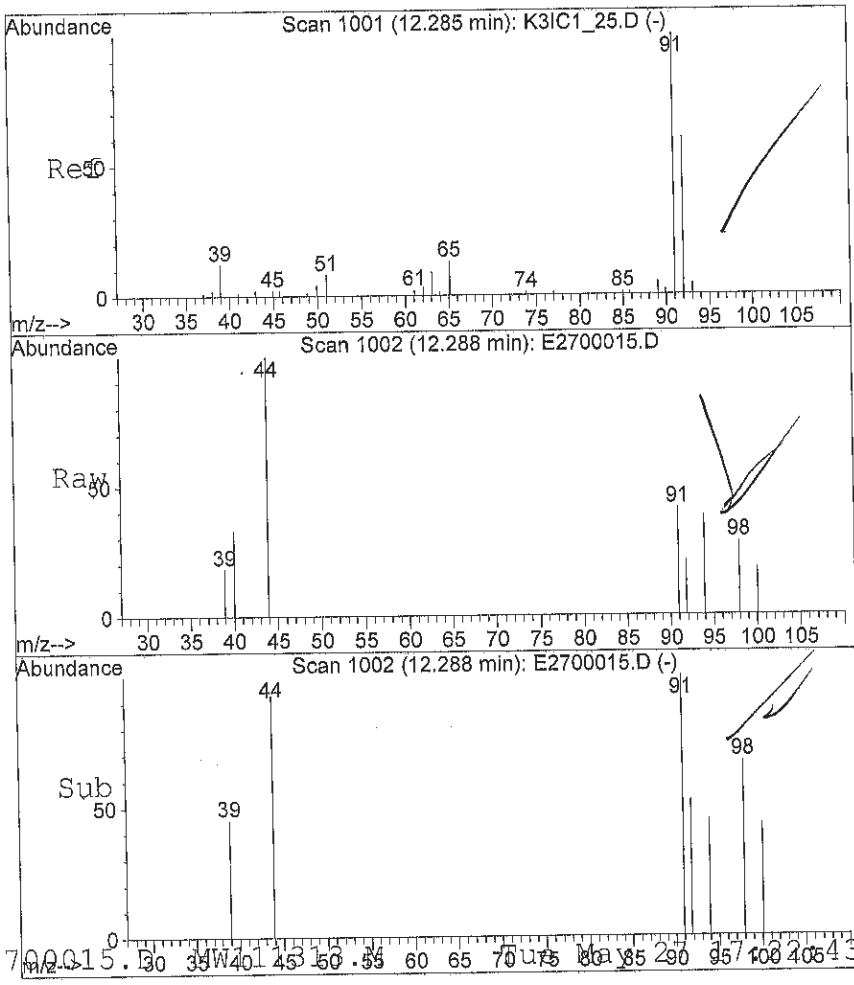


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.92 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 43 Resp: 7322

Ion	Ratio	Lower	Upper
43	100		
58	142.2	0.0	0.0#
85	0.0	0.0	0.0
100	13374.6	0.0	0.0#

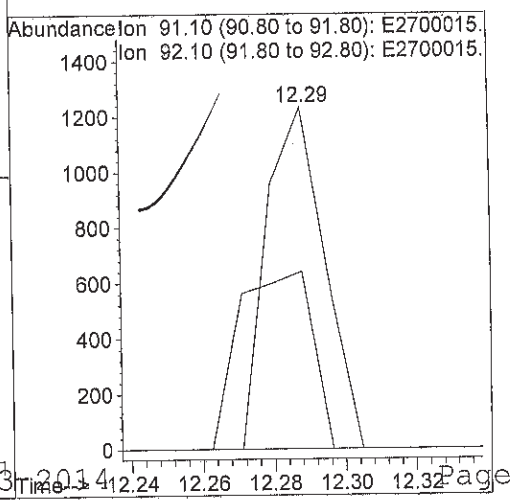


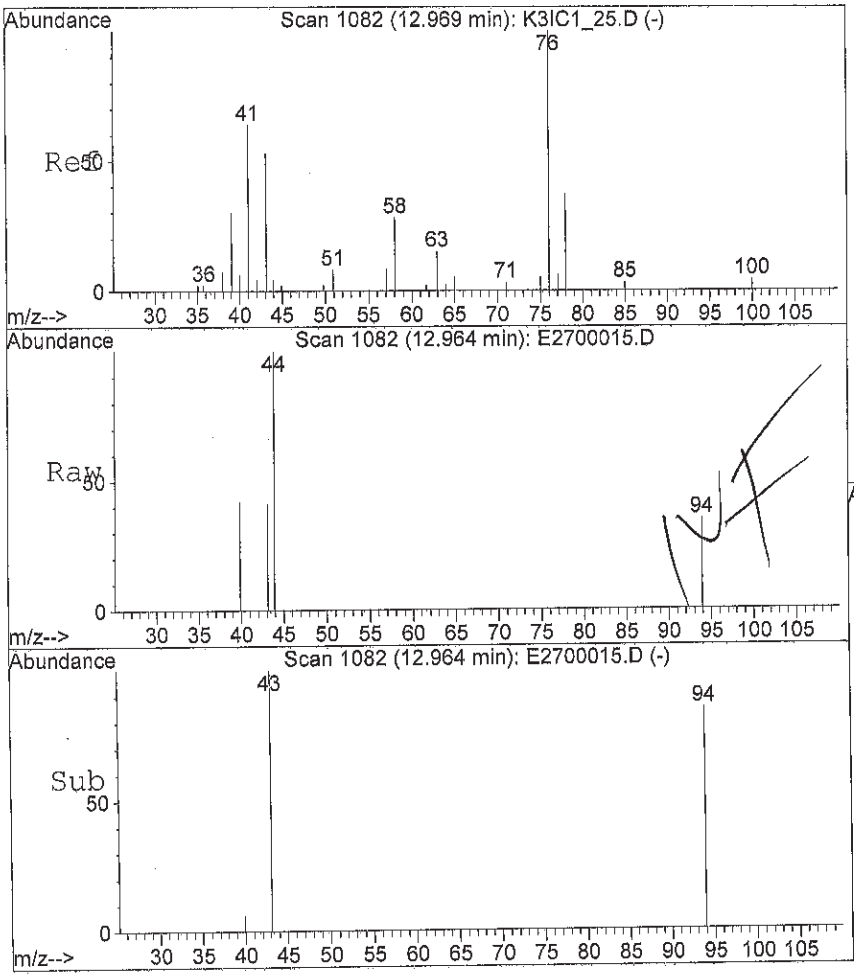


#41
Toluene
Concen: 0.08 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 91 Resp: 1384

Ion	Ratio	Lower	Upper
91	100		
92	65.8	47.4	71.0

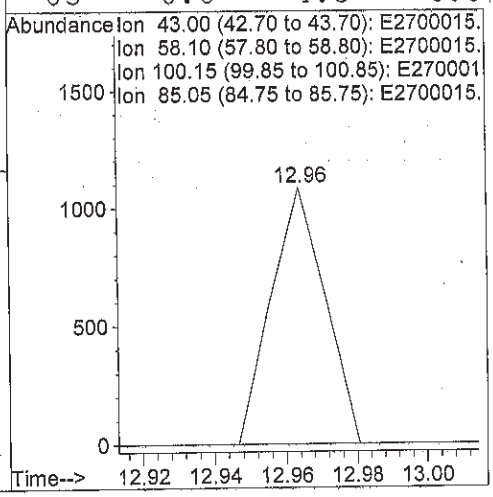


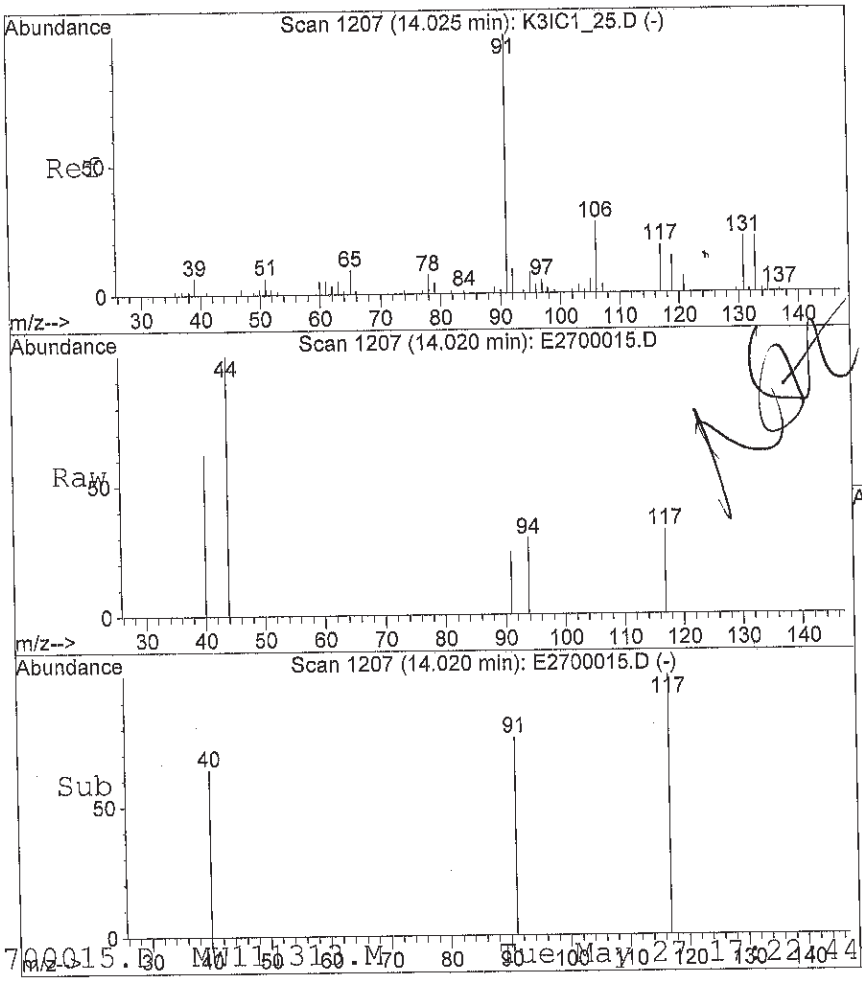


#46
2-Hexanone
Concen: 0.41 ug/L
RT: 12.96 min Scan# 1082
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 43 Resp: 1130

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

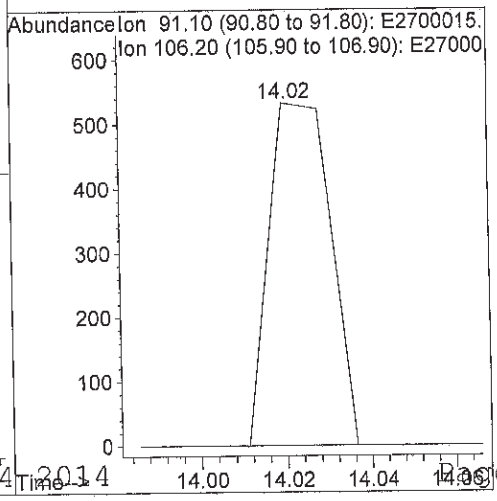


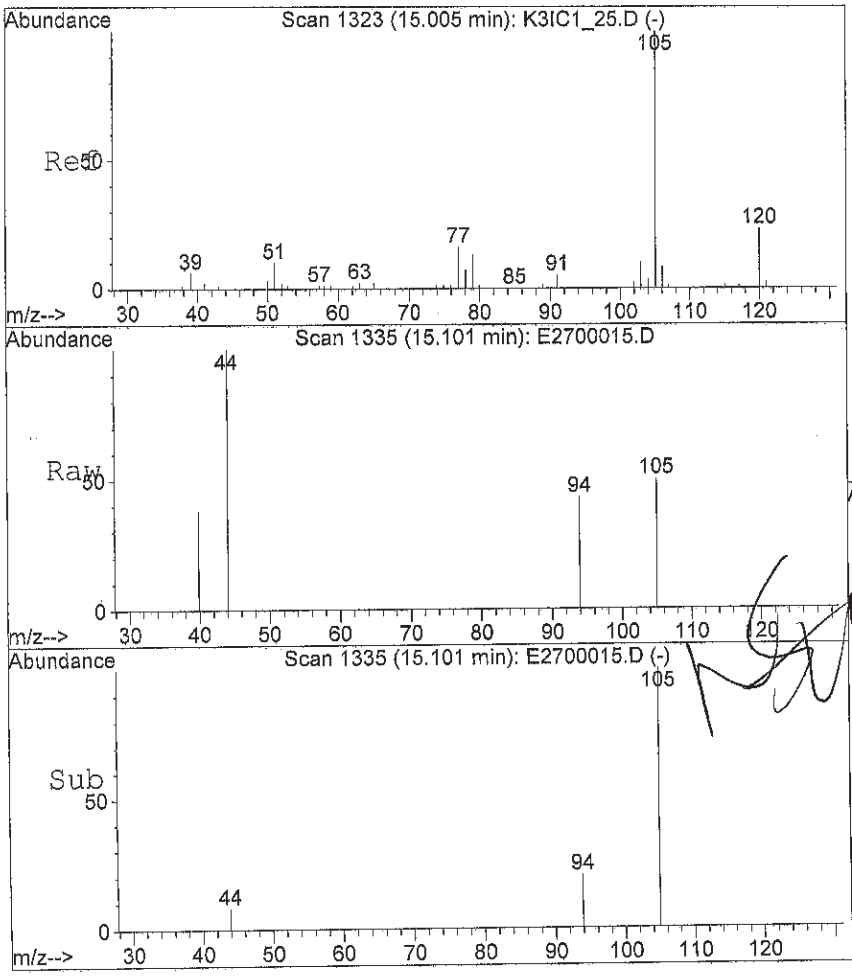


#51
Ethylbenzene
Concen: 0.03 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 91 Resp: 535

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

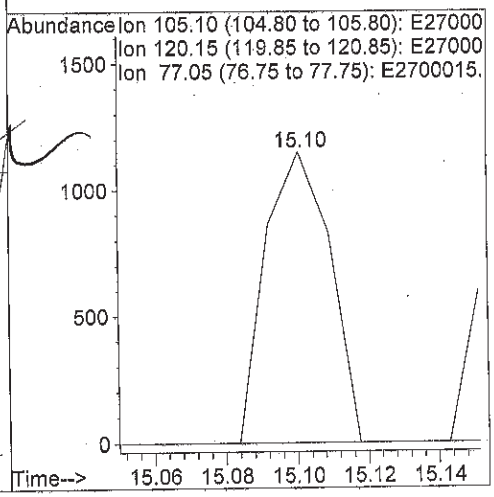


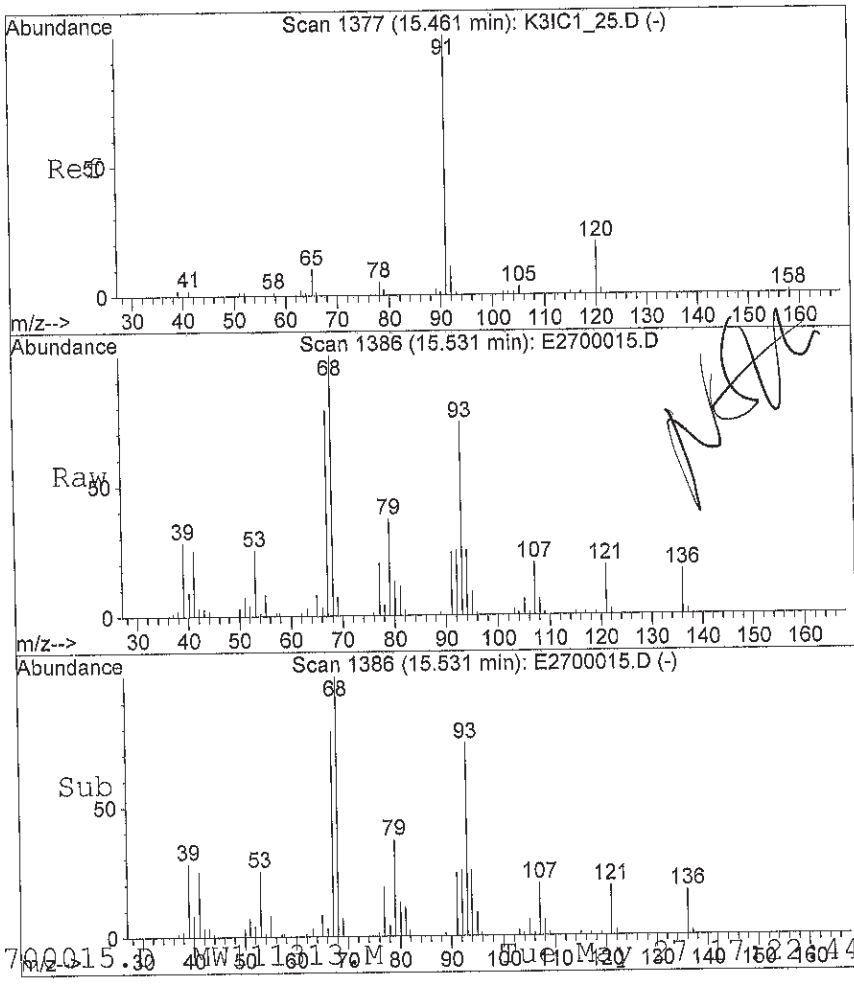


#56
Isopropylbenzene
Concen: 0.08 ug/L
RT: 15.10 min Scan# 1335
Delta R.T. 0.10 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:105 Resp: 1441

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

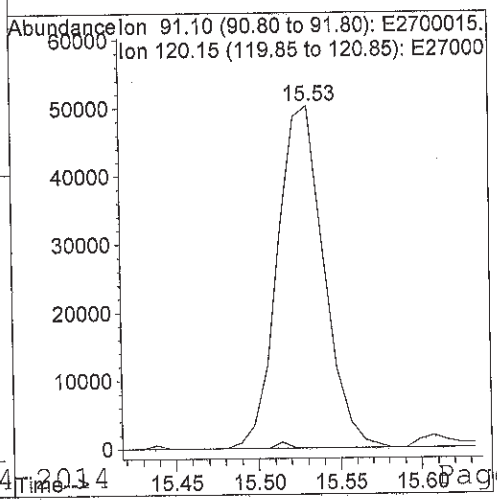


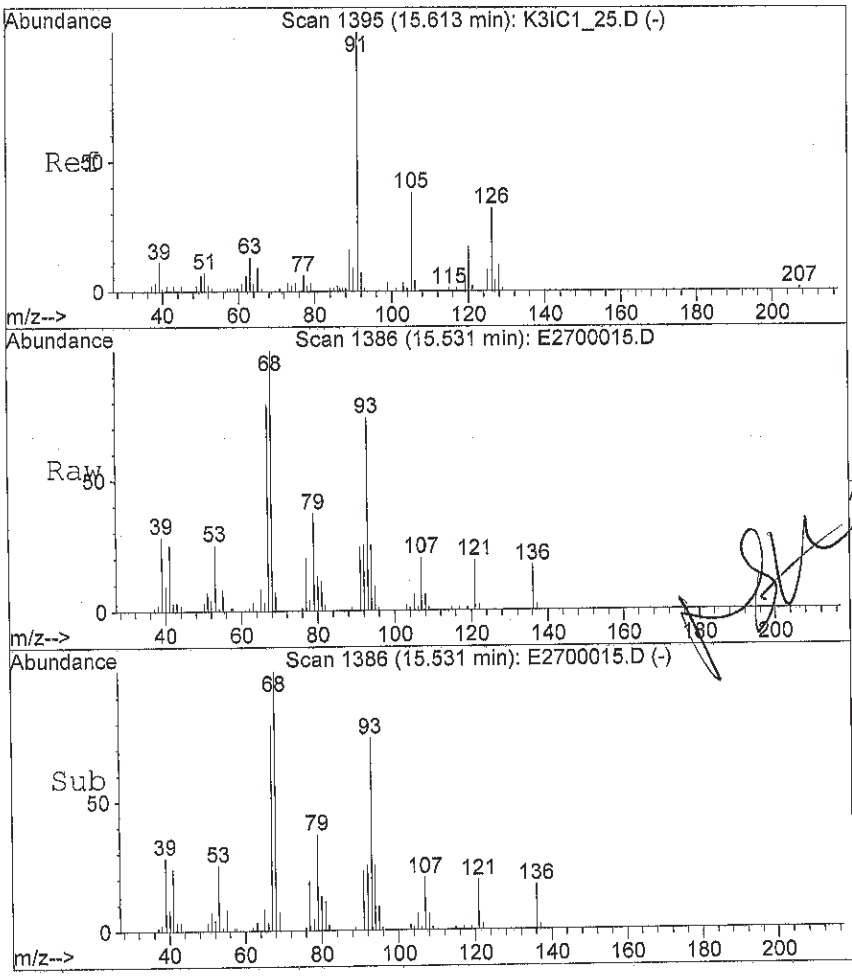


#62
n-Propylbenzene
Concen: 3.75 ug/L
RT: 15.53 min Scan# 1386
Delta R.T. 0.07 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 91 Resp: 98841

Ion	Ratio	Lower	Upper
91	100		
120	0.5	16.1	24.1#

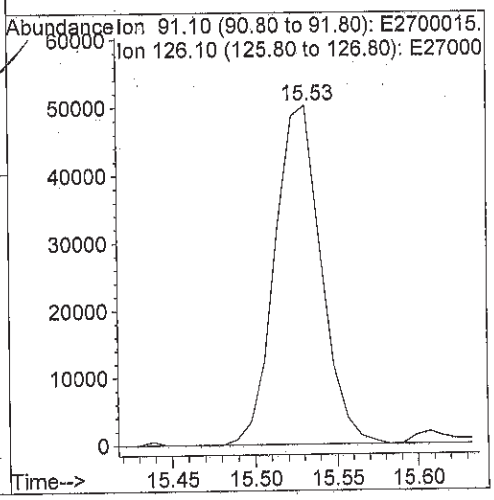


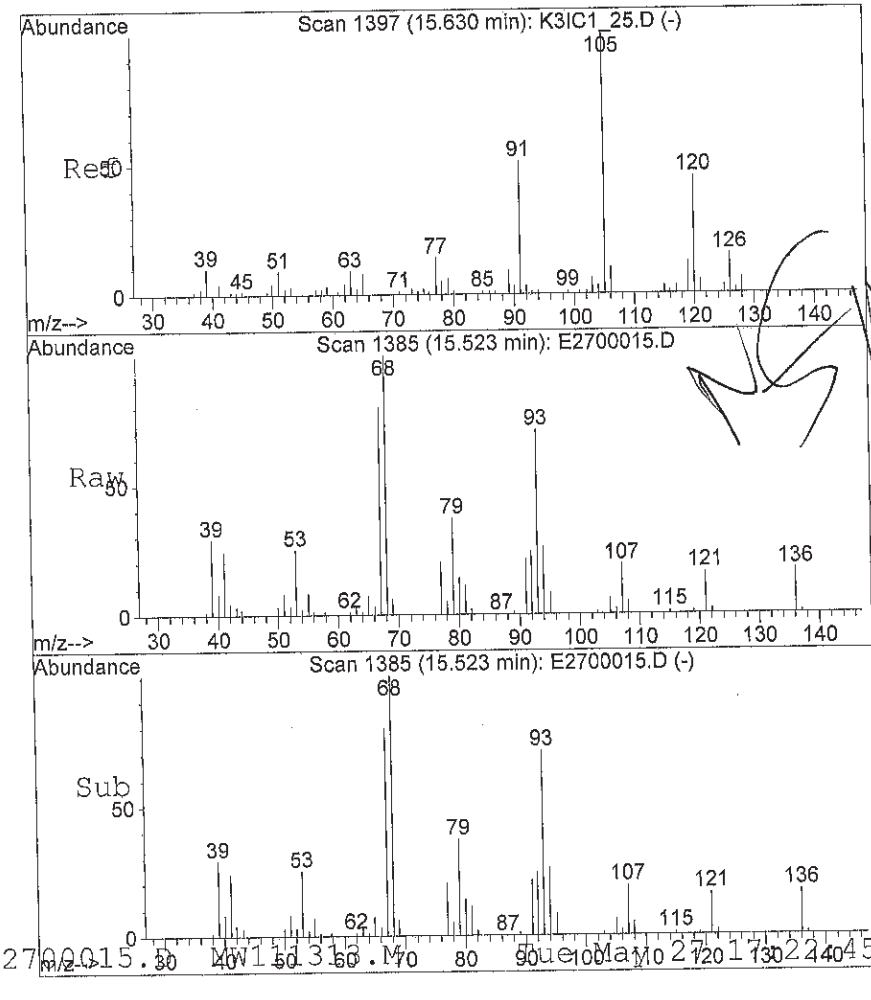


#63
2-Chlorotoluene
Concen: 6.09 ug/L
RT: 15.53 min Scan# 1386
Delta R.T. -0.08 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 91 Resp: 98841

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

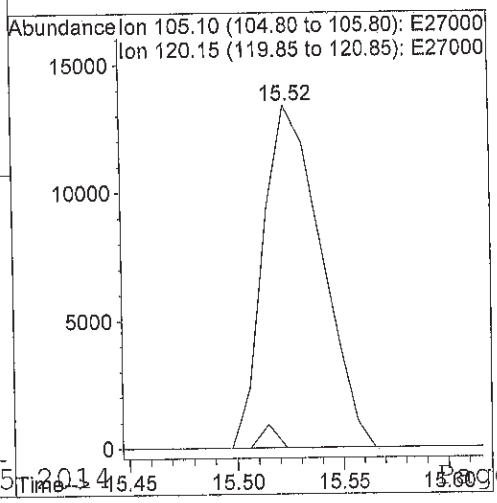


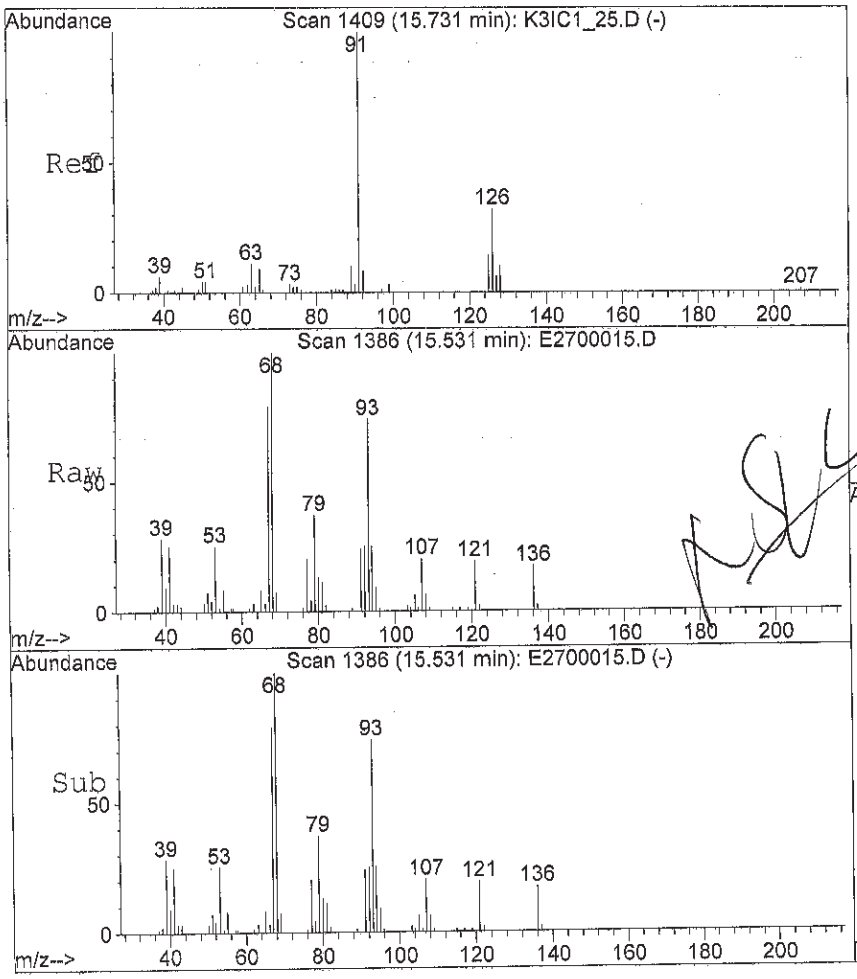


#64
1,3,5-Trimethylbenzene
Concen: 1.56 ug/L
RT: 15.52 min Scan# 1385
Delta R.T. -0.11 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:105 Resp: 25396

Ion	Ratio	Lower	Upper
105	100		
120	1.8	36.4	54.6#

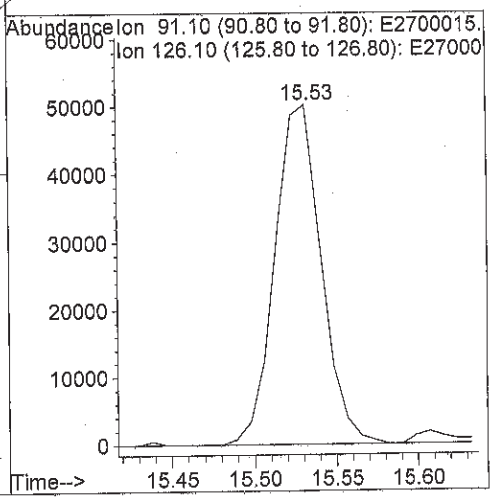


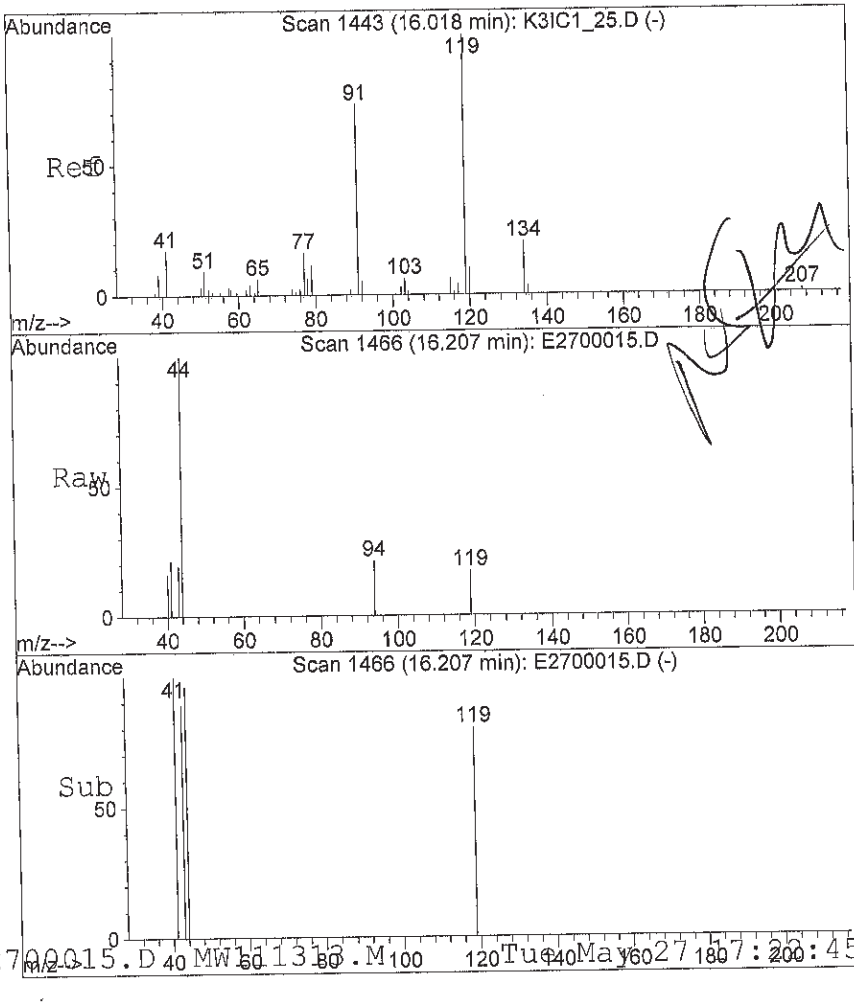


#65
4-Chlorotoluene
Concen: 6.59 ug/L
RT: 15.53 min Scan# 1386
Delta R.T. -0.20 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion: 91 Resp: 98841

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

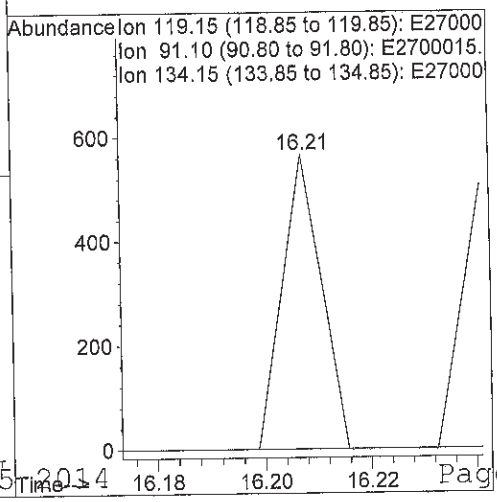


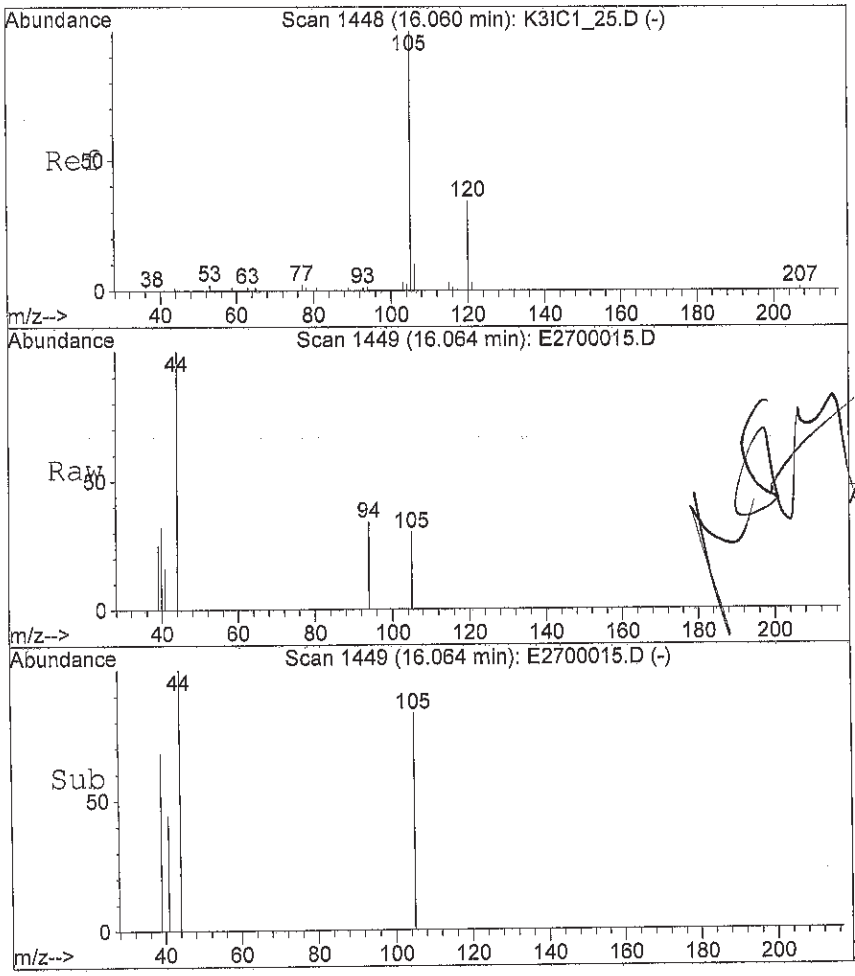


#66
tert-Butylbenzene
Concen: 0.02 ug/L
RT: 16.21 min Scan# 1466
Delta R.T. 0.19 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:119 Resp: 287

Ion	Ratio	Lower	Upper
119	100		
91	0.0	56.3	84.5#
134	0.0	16.1	24.1#

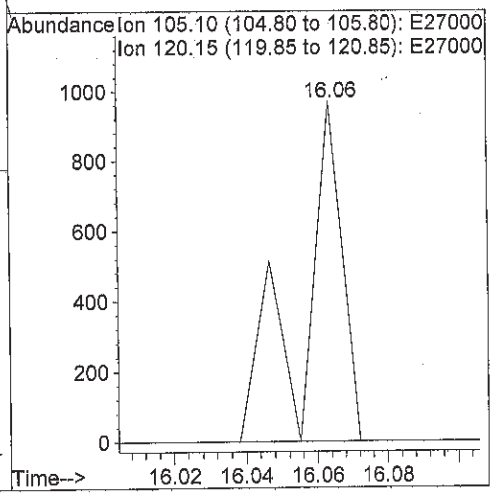


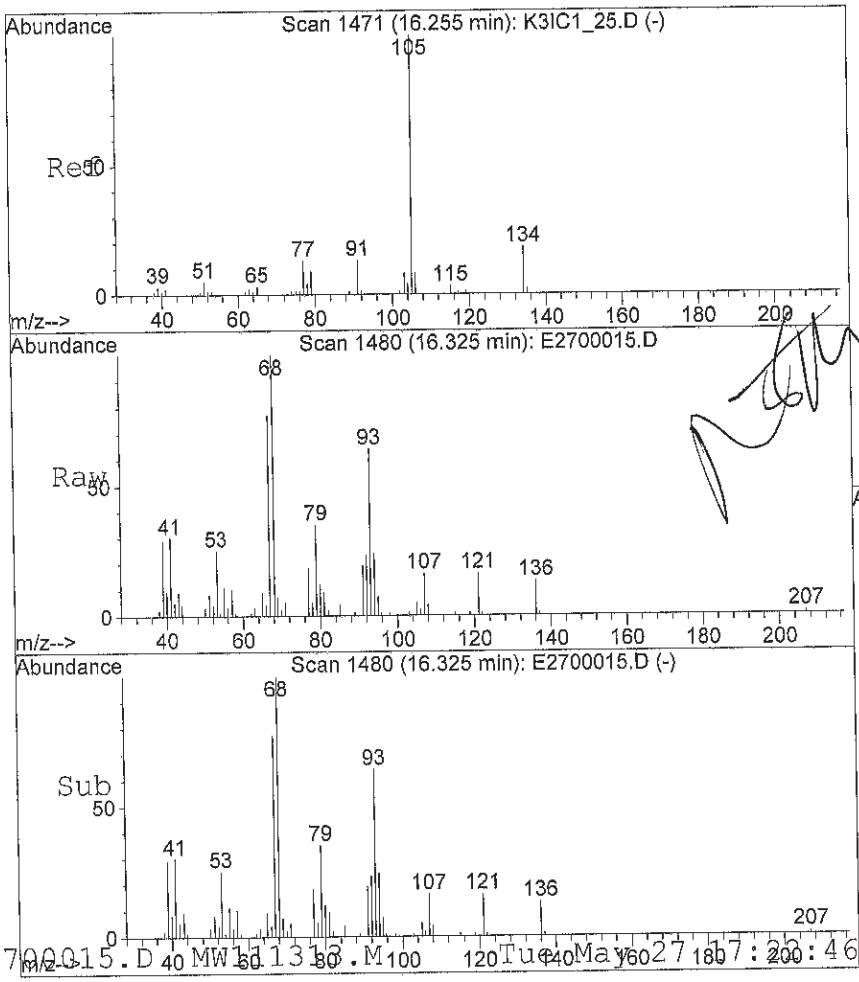


#67
1,2,4-Trimethylbenzene
Concen: 0.04 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:105 Resp: 750

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

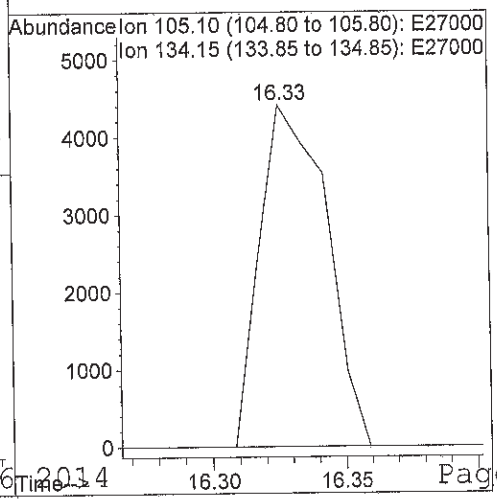


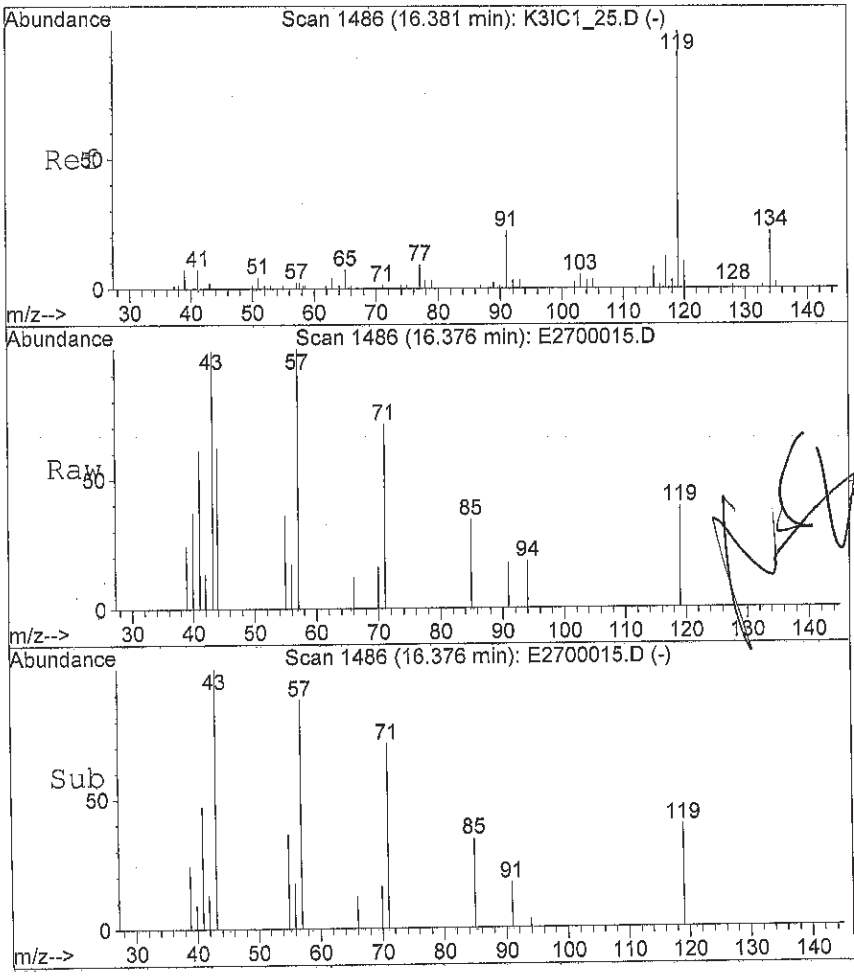


#68
sec-Butylbenzene
Concen: 0.35 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.07 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:105 Resp: 7681

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

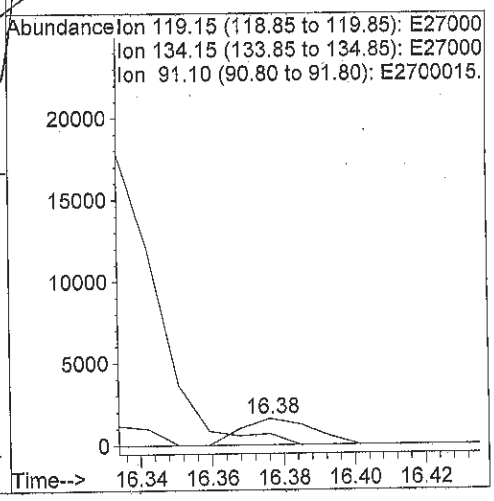


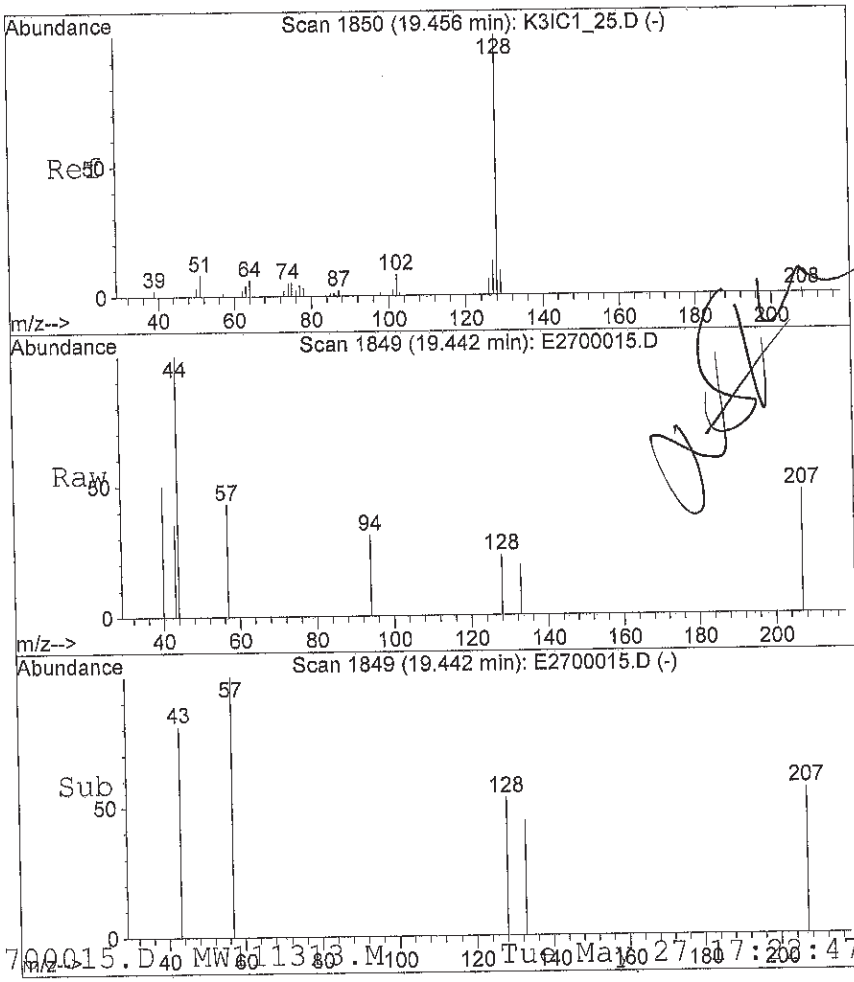


#69
p-Isopropyltoluene
Concen: 0.12 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:119 Resp: 2194

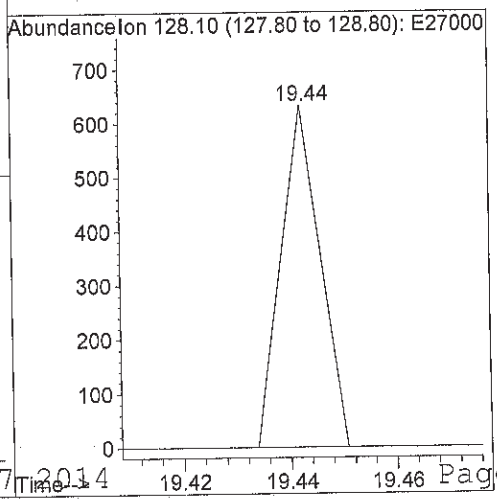
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.44 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E2700015.D
Acq: 27 May 2014 5:01 pm

Tgt Ion:128 Resp: 320



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E2700015.D Vial: 6
Acq On : 27 May 2014 5:01 pm Operator: DN
Sample : 3E42701-12 Inst : GC/MS Ins
Misc : 100cc FB-052714 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 17:23 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1656895	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1256411	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	652135	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	464949	10.79	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.32%			
3) Chloroform-d (SU6)	9.19	84	770768	12.47	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 99.76%			
4) Methylene Chloride-d2 (SU5	7.08	86	437148	12.10	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 96.80%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	447485	15.20	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 121.60%			
6) Benzene-d6 (SU7)	9.93	84	1471764	11.32	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 90.56%			
8) Toluene-d8 (SU3)	12.20	98	1465222	12.29	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.32%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	663833	13.49	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 107.92%			

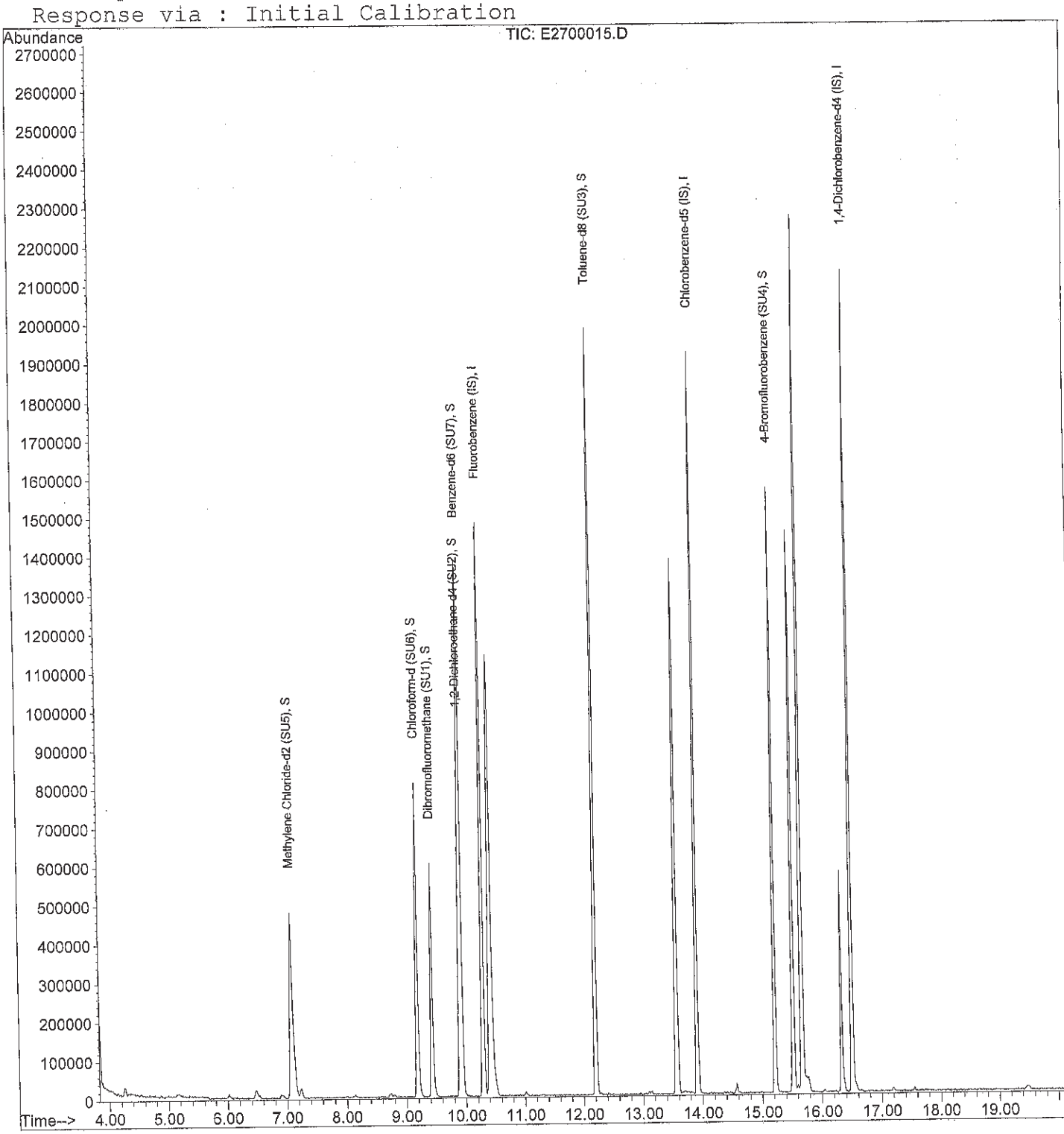
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E2700015.D Vial: 6
Acq On : 27 May 2014 5:01 pm Operator: DN
Sample : 3E42701-12 Inst : GC/MS Ins
Misc : 100cc FB-052714 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 27 17:23 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS02.D Vial: 9
Acq On : 27 May 2014 5:30 pm Operator: DN
Sample : 34E2701-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 5:51 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1665701	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1168708	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	574407	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	458494	11.04	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 88.32%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	424783	10.76	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.08%			
39) Toluene-d8 (SU3)	12.20	98	1410221	12.94	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 103.52%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	606610	12.69	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 101.52%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	53781	1.32	ug/L	97
4) Chloromethane	4.47	50	38732	1.27	ug/L	98
5) Vinyl Chloride	4.60	62	37809	1.29	ug/L	68
6) Bromomethane	5.14	96	27612	1.33	ug/L	80
7) Chloroethane	5.29	64	18475	1.42	ug/L	89
8) (F11) Trichlorofluorometha	5.67	101	68573	1.50	ug/L	96
9) (F113) 1,1,2-Trichloro-tri	6.37	151	40377	1.23	ug/L	98
10) 1,1-Dichloroethene	6.44	96	53059	1.35	ug/L	93
11) Acetone	6.47	58	38951	-12.50	ug/L	88
12) (IPA) Leak Check Compound	6.54	45	120161	60.03	ug/L #	91
13) Carbon disulfide	6.86	76	186959	1.35	ug/L	98
14) Methylene Chloride	7.11	84	57273	1.25	ug/L	97
15) (TBA) tert-Butanol	7.10	59	2922	1.03	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.41	73	81779	0.87	ug/L	98
17) trans-1,2-Dichloroethene	7.48	96	58211	1.30	ug/L	98
18) 1,1-Dichloroethane	8.07	63	87135	1.16	ug/L	95
19) cis-1,2-Dichloroethene	8.84	96	60353	1.16	ug/L	92
21) (MEK) 2-Butanone	8.80	72	5349	1.14	ug/L #	46
22) (DIPE) Diisopropyl Ether	8.01	45	170804	1.31	ug/L	96
23) Bromochloromethane	9.18	128	21140	0.95	ug/L #	76
24) Chloroform	9.21	83	98150	1.12	ug/L	96
25) (ETBE) 2-ethoxy 2-methyl p	8.50	59	107454	0.89	ug/L #	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS02.D Vial: 9
Acq On : 27 May 2014 5:30 pm Operator: DN
Sample : 34E2701-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 5:51 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 1,1,1-Trichloroethane	10.28	97	73502	1.07 ug/L	97
27) (TAME) tert-Amyl methyl et	10.00	73	97840	0.93 ug/L	95
29) 1,1-Dichloropropene	9.69	75	72625	1.13 ug/L	98
30) Carbon Tetrachloride	13.89	117	73273	1.31 ug/L	100
31) Benzene	9.98	78	198081	1.26 ug/L	96
32) 1,2-Dichloroethane	10.00	62	60746	1.10 ug/L	94
33) Trichloroethene	10.74	130	62996	1.24 ug/L	95
34) 1,2-Dichloropropane	11.05	63	49457	1.32 ug/L	92
35) Dibromomethane	11.21	93	31824	1.09 ug/L	92
36) Bromodichloromethane	11.35	83	61712	1.05 ug/L	93
37) cis-1,3-Dichloropropene	11.87	75	54177	0.84 ug/L	95
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	7576	0.32 ug/L #	100
41) Toluene	12.29	91	197791	1.24 ug/L	98
42) trans-1,3-Dichloropropene	12.51	75	35878	0.68 ug/L #	80
43) 1,1,2-Trichloroethane	12.75	83	34086	1.19 ug/L #	84
44) Tetrachloroethene	12.94	164	51665	0.92 ug/L	96
45) 1,3-Dichloropropane	12.96	76	61499	1.12 ug/L	99
46) 2-Hexanone	12.97	43	25327	0.99 ug/L	93
47) Dibromochloromethane	13.25	129	47998	1.17 ug/L	97
48) 1,2-Dibromoethane	13.43	107	45468	1.22 ug/L	97
49) Chlorobenzene	13.95	112	138606	1.29 ug/L	97
50) 1,1,1,2-Tetrachloroethane	14.02	131	45416	1.19 ug/L	97
51) Ethylbenzene	14.03	91	235392	1.30 ug/L	99
52) m,p-Xylenes	14.15	106	167732	2.60 ug/L	96
53) o-Xylene	14.62	106	85291	1.34 ug/L	100
54) Styrene	14.63	104	131390	1.42 ug/L	98
55) Bromoform	14.91	173	25045	1.07 ug/L #	99
56) Isopropylbenzene	15.00	105	234772	1.35 ug/L	98
57) 1,2,3-Trichloropropane	15.42	75	52505	1.10 ug/L #	1
60) 1,1,2,2-Tetrachloroethane	15.34	83	47604	1.15 ug/L	97
61) Bromobenzene	15.44	156	57360	1.27 ug/L	93
62) n-Propylbenzene	15.45	91	282870	1.22 ug/L	100
63) 2-Chlorotoluene	15.61	91	179539	1.26 ug/L	98
64) 1,3,5-Trimethylbenzene	15.62	105	182512	1.28 ug/L	98
65) 4-Chlorotoluene	15.73	91	177981	1.35 ug/L	99
66) tert-Butylbenzene	16.01	119	150674	1.24 ug/L	92
67) 1,2,4-Trimethylbenzene	16.05	105	184246	1.23 ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS02.D Vial: 9
Acq On : 27 May 2014 5:30 pm Operator: DN
Sample : 34E2701-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 5:51 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

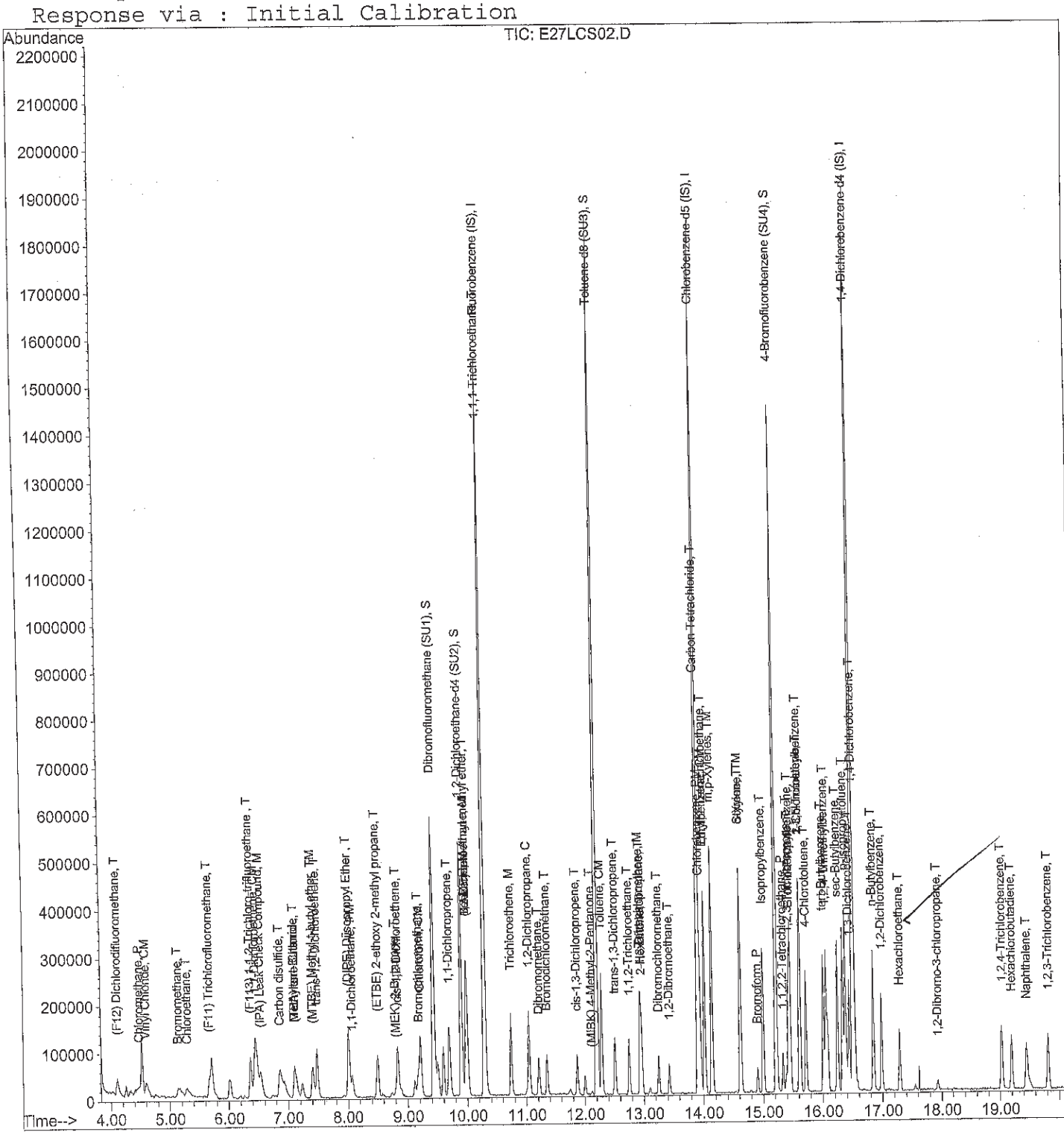
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68) sec-Butylbenzene	16.25	105	252641	1.31 ug/L	99
69) p-Isopropyltoluene	16.38	119	201958	1.29 ug/L	98
70) 1,3-Dichlorobenzene	16.44	146	111245	1.31 ug/L	97
71) 1,4-Dichlorobenzene	16.54	146	110130	1.30 ug/L	99
72) n-Butylbenzene	16.84	91	204884	1.24 ug/L	99
73) 1,2-Dichlorobenzene	16.98	146	103269	1.37 ug/L	94
74) 1,2-Dibromo-3-chloropropan	17.93	75	6325	1.03 ug/L	90
75) 1,2,4-Trichlorobenzene	19.03	180	59856	1.17 ug/L	99
76) Hexachlorobutadiene	19.20	225	29021	1.26 ug/L	93
77) Naphthalene	19.45	128	110614	0.97 ug/L	100
78) Hexachloroethane	17.29	201	19275	1.16 ug/L	87
79) 1,2,3-Trichlorobenzene	19.81	180	53347	1.10 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052714L3\E27LCS02.D Vial: 9
Acq On : 27 May 2014 5:30 pm Operator: DN
Sample : 34E2701-BSD1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 5:51 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



ENVIRONMENTAL SUPPORT TECHNOLOGIES

16510 Aston St. Irvine, CA 92606
Tel (949) 679-9500 Fax (949) 679-9501

www.est-inc.com

SOIL GAS SURVEY
SANTA SUSANA FIELD LABORATORY:
DEPARTMENT OF ENERGY
5800 WOOLSEY CANYON ROAD
CANOGA PARK, CA

LEVEL IV DATA PACKAGE

MWH AMERICAS
2121 NORTH CALIFORNIA BLVD.
SUITE 600
WALNUT CREEK, CA

EST2754
May 28, 2014

EST
ENVIRONMENTAL SUPPORT TECHNOLOGIES

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12 Raw Data for QC Samples and Initial Calibration, Blank

13 Raw Data for Analyzed Samples Including Chromatograms, Quantitation Reports and Spectra

CHAIN-OF-CUSTODY

CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
16510 Aston St., Irvine, CA 92606 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: MWH Americas
Address: 250 North Madison Avenue
Pasadena, Ca
Project Manager: Sarah Von Raesfield

Sampler Name: Ashley Flores
EST Project#: **EST2754**
Site Location: SSFL
Phone: ( )

Custody Seals: _____

Email:

Turnaround Time:
(Check one)

Normal:

Rush: X

Sample Receipt

Intact: Yes: X No:

On Ice: Yes: No: X N/A

Custody Seals: Yes: No: X

N/A (Received on Site):

Sample Name	Sample Matrix	Container Type	# of Container	Sampling Date	Sampling Time	Preservative Type	Purge Volume (ml)	Vacuum (inches of H_2O)	8260B VOC's 0.02 RL						Special Instructions
Equipment Blank	Air	Glass Bulb	1	5/28/2014	800	Surr			X						Bulb # 8
SVL-515-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/28/2014	816	Surr			X						Bulb # 3
SVL-815-SA5D-SV-5.0-6.0	Air	Glass Bulb	1	5/28/2014	816	Surr			X						Bulb # 10
SVL-515-SA5D-SV-12.5-13.8	Air	Glass Bulb	1	5/28/2014	857	Surr			X						Bulb # 13
SVL-511-SA5D-SV-4.5-5.5	Air	Glass Bulb	1	5/28/2014	946	Surr			X						Bulb # 11
SVL-511-SA5D-SV-9.5-10.5	Air	Glass Bulb	1	5/28/2014	1019	Surr			X						Bulb # 12
SVL-516-SA5D-SV-6.0-7.0	Air	Glass Bulb	1	5/28/2014	1055	Surr			X						Bulb # 5
SVL-516-SA5D-SV-14.0-15.0	Air	Glass Bulb	1	5/28/2014	1126	Surr			X						Bulb # 6
SVL-510-SA5D-SV-7.5-8.5	Air	Glass Bulb	1	5/28/2014	1250	Surr			X						Bulb # 9
SVL-544-SA5D-SV-4.5-5.5	Air	Glass Bulb	1	5/28/2014	1325	Surr			X						Bulb # 1
FB-052814	Air	Glass Bulb	1	5/28/2014	1356	Surr			X						Bulb # 7

Relinquished by: (Signature) Date/Time: 05/28/14

Received by: Date/Time:

Relinquished by: (Signature) Date/Time:

Received by: Date/Time:

SAMPLE RESULTS WITH ANALYSIS AND EXTRACTIONS PREPARATION DATES

June 0q, 2013

Sarah Von Raesfield
MWH Americas, Inc.
250 No. Madison Avenue
Pasadena, CA 91107

RE: Santa Susana Field Laboratory, Canoga Park

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies laboratory on 05/24/13 13:31. The analyses 6 ere performed according to the prescribed method as outlined by EPA 42w08. A shut in test 6 as performed, leak test 6 as performed, eBuipment blank 6 as run, and selected purge volume 6 as qPV. If you have any Buestions concerning this report, please feel free to contact Project Manager.

Sincerely,

Ashley Flores

Ashley Flores
Project Manager

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 2772, 277q, and 27w7.

1w510 Aston Street, Irvine, California 92w0w
Telephone: (939) w79-9500 Fax: (939) w79-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
EBuipment 8 lank	qE32401-01	Air	24-May-13 04:00	24-May-13 04:1q
SVL-515-SA5D-SV-5.0-w0	qE32401-02	Air	24-May-13 04:1w	24-May-13 04:37
SVL-415-SA5D-SV-5.0-w0	qE32401-0q	Air	24-May-13 04:1w	24-May-13 09:39
SVL-515-SA5D-SV-12.5-1q.4	qE32401-03	Air	24-May-13 04:57	24-May-13 10:19
SVL-511-SA5D-SV-3.5-5.5	qE32401-05	Air	24-May-13 09:3w	24-May-13 10:37
SVL-511-SA5D-SV-9.5-10.5	qE32401-0w	Air	24-May-13 10:19	24-May-13 11:14
SVL-51w-SA5D-SV-w0-7.0	qE32401-07	Air	24-May-13 10:55	24-May-13 11:37
SVL-51w-SA5D-SV-13.5-15.0	qE32401-04	Air	24-May-13 11:2w	24-May-13 12:1w
SVL-510-SA5D-SV-7.5-4.5	qE32401-09	Air	24-May-13 12:50	24-May-13 1q:13
SVL-533SA5D-SV-3.5-5.5	qE32401-10	Air	24-May-13 1q:25	24-May-13 1q:50
F8-052413	qE32401-11	Air	24-May-13 1q:5w	24-May-13 13:19

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

1w510 Aston Street, Irvine, California 92w0w
Telephone: (939) w79-9500 Fax: (939) w79-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8 atch	Prepared	Analyzed	Method	Notes
Equipment Blank (3E42701-01) Air Sampled: 05/27/14 07:00 Analyzed: 05/27/14 07:13									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8 enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*90.9 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D9.8 1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*54B 1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*9-.- 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*9D- 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*9B.4 1*		*047584*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

1w510 Aston Street, Irvine, California 92w0w
Telephone: (939) w79-9500 Fax: (939) w79-9501

MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8 atch	Prepared	Analyzed	Method	Notes
SVL-515-SA5D-SV-590-. 90 (3E42701-02) Air	**Sampled: 05/27/14 07:1.**		**Analyzed: 05/27/14 07:46**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8 enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**090052**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D8.- 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D8.%1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*540 1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*D5.B 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*548 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*544 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-715-SA5D-SV-590-.90 (3E42701-03) Air	**Sampled: 05/27/14 07:1. Analyzed: 05/27/14 08:48**								
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**090064**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D8.8 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D9.5 1*		*0%75-%*	"	"	"	"	
2urroSateg876romofluorobenzene		*554 1*		*0%75-%*	"	"	"	"	
2urroSateg6enzene7dB		*9D8 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*544 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D%4 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-515-SA5D-SV-125-1397 (3E42701-04) Air	**Sampled: 05/27/14 07:56**		**Analyzed: 05/27/14 10:18**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0907.**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0927**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0955**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9D9 1*		*0%5-%*	"	"	"	"	
2urroSateg Toluene7d9		*D0.3 1*		*0%5-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*54D1*		*0%5-%*	"	"	"	"	
2urroSateg 6enzene7dB		*90.4 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*D0.4 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D8.%l*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-511-SA5D-SV-495-595 (3E42701-05) Air	**Sampled: 05/27/14 08:4.**		**Analyzed: 05/27/14 10:46**						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D5.0 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*DB.4 1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*54%1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*9B.3 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*D%4 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D8.D1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-511-SA5D-SV-895-1095 (3E42701-0.) Air Sampled: 05/27/14 10:18 Analyzed: 05/27/14 11:17									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D4.B 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*DB.0 1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*54%1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*95.4 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*9B.0 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*9B.B 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-51. -SA5D-SV-. 90-690 (3E42701-06) Air Sampled: 05/27/14 10:55 Analyzed: 05/27/14 11:46									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*9D0 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*DB.5 1*		*0%75-%*	"	"	"	"	
2urroSateg876romofluorobenzene		*54%1*		*0%75-%*	"	"	"	"	
2urroSateg6enzene7dB		*93.5 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*9D5 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*9D8 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-51. -SA5D-SV-145-1590 (3E42701-07) Air	**Sampled: 05/27/14 11:2. Analyzed: 05/27/14 12:1.**								
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0900024**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0900004.**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D-.B 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D%D1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*55- 1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*99.4 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*D-.3 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D8.- 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-510-SA5D-SV-695-795 (3E42701-08) Air	**Sampled: 05/27/14 12:50**	**Analyzed: 05/27/14 13:14**							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**0.024**	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.077**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*90.5 1*		*0%5-%*	"	"	"	"	
2urroSateg Toluene7d9		*D%- 1*		*0%5-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*54B 1*		*0%5-%*	"	"	"	"	
2urroSateg 6enzene7dB		*93.5 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*99.%1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*9B.8 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
SVL-544SA5D-SV-49-595 (3E42701-10) Air	**Sampled: 05/27/14 13:25**	**Analyzed: 05/27/14 13:50**							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	**0.018**	0.020	"	"	"	"	"	"	J
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	**0.028**	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	**0.052**	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**0.060**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D5.- 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D%9 1*		*0%75-%*	"	"	"	"	
2urroSateg 876romofluorobenzene		*549 1*		*0%75-%*	"	"	"	"	
2urroSateg 6enzene7dB		*9D9 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*DB.D1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D%9 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	8atch	Prepared	Analyzed	Method	Notes
FB-052714 (3E42701-11) Air Sampled: 05/27/14 13:5. Analyzed: 05/27/14 14:18									
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l	1	q3E2401	05/24/13	05/24/13	EPA 42w08	
1,1,1-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.020	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	**09016**	0.020	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.020	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.020	"	"	"	"	"	"	
8enzene	ND	0.020	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
Chloroethane	ND	0.020	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	"	
Methylene Chloride	ND	0.020	"	"	"	"	"	"	
ortho-Xylene	ND	0.020	"	"	"	"	"	"	
meta- and para-Xylenes	ND	0.020	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.020	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Toluene	**090070**	0.020	"	"	"	"	"	"	J
Trichloroethene	ND	0.020	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.020	"	"	"	"	"	"	
Vinyl Chloride	ND	0.020	"	"	"	"	"	"	
2urroSateg: ibromofluoromethane		*D-.0 1*		*0%75-%*	"	"	"	"	
2urroSateg Toluene7d9		*D0.%1*		*0%75-%*	"	"	"	"	
2urroSateg876romofluorobenzene		*554 1*		*0%75-%*	"	"	"	"	
2urroSateg6enzene7dB		*9D3 1*		*047584*	"	"	"	"	
2urroSateg Chloroform7d		*DB.- 1*		*047584*	"	"	"	"	
2urroSateg Methylene chloride7d-		*D%9 1*		*047584*	"	"	"	"	

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
Blank (34E2701-BLK1)				Prepared & Analyzed: 05/24/13						
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l							
1,1,1-Trichloroethane	ND	0.020	"							
1,1,2,2-Tetrachloroethane	ND	0.020	"							
1,1,2-Trichloro-trifluoroethane	ND	0.020	"							
1,1,2-Trichloroethane	ND	0.020	"							
1,1-Dichloroethane	ND	0.020	"							
1,1-Dichloroethene	ND	0.020	"							
1,2-Dichloroethane	ND	0.020	"							
8 enzene	ND	0.020	"							
cis-1,2-Dichloroethene	ND	0.020	"							
Carbon tetrachloride	ND	0.020	"							
Chloroethane	ND	0.020	"							
Chloroform	ND	0.020	"							
Dichlorodifluoromethane	ND	0.020	"							
Ethylbenzene	ND	0.020	"							
Methylene Chloride	ND	0.020	"							
ortho-Xylene	ND	0.020	"							
meta- and para-Xylenes	ND	0.020	"							
trans-1,2-Dichloroethene	ND	0.020	"							
Tetrachloroethene	ND	0.020	"							
Toluene	0.01q0	0.020	"							J
Trichloroethene	ND	0.020	"							
Trichlorofluoromethane	ND	0.020	"							
Vinyl Chloride	ND	0.020	"							
2urroSateg: ibromofluoromethane	*-.-3*		*"*	*-.%4*		*9D.4*	*0%75-%*			
2urroSategToluene7d9	*-.88*		*"*	*-.%4*		*D0.0*	*0%75-%*			
2urroSateg876romofluorobenzene	*-.B9*		*"*	*-.%4*		*540*	*0%75-%*			
2urroSateg6enzene7dB	*-.4D*		*"*	*-.%4*		*93.B*	*047584*			
2urroSategChloroform7d	*-.-4*		*"*	*-.%4*		*99.5*	*047584*			
2urroSategMethylene chloride7d-	*-.59*		*"*	*-.%4*		*90.3*	*047584*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
LCS (34E2701-BS1)				Prepared & Analyzed: 05/24/13						
1,1,1,2-Tetrachloroethane	1.25	0.020	ug/l	1.25		100	75-1qw			
1,1,1-Trichloroethane	1.1w	0.020	"	1.25		92.4	7q-1q3			
1,1,2,2-Tetrachloroethane	1.75	0.020	"	1.25		130	5w-139			
1,1,2-Trichloro-trifluoroethane	1.24	0.020	"	1.25		102	4q-125			
1,1,2-Trichloroethane	1.q9	0.020	"	1.25		111	w7-1q7			
1,1-Dichloroethane	1.14	0.020	"	1.25		93.3	40-121			
1,1-Dichloroethene	1.31	0.020	"	1.25		11q	7q-1q7			
1,2-Dichloroethane	1.1w	0.020	"	1.25		92.4	75-1q1			
8 enzene	1.27	0.020	"	1.25		102	79-114			
cis-1,2-Dichloroethene	1.19	0.020	"	1.25		95.2	45-11w			
Carbon tetrachloride	1.q7	0.020	"	1.25		110	73-13q			
Chloroethane	1.3q	0.020	"	1.25		113	w0-1q7			
Chloroform	1.2q	0.020	"	1.25		94.3	42-130			
Dichlorodifluoromethane	1.q4	0.020	"	1.25		110	37-129			
Ethylbenzene	1.q2	0.020	"	1.25		10w	4q-125			
Methylene Chloride	1.q7	0.020	"	1.25		110	41-12w			
ortho-Xylene	1.q0	0.020	"	1.25		103	45-115			
meta- and para-Xylenes	2.71	0.020	"	2.50		104	4q-115			
trans-1,2-Dichloroethene	1.30	0.020	"	1.25		112	72-1qq			
Tetrachloroethene	1.1w	0.020	"	1.25		92.4	w0-133			
Toluene	1.q1	0.020	"	1.25		105	70-115			
Trichloroethene	1.27	0.020	"	1.25		102	w4-1q2			
Trichlorofluoromethane	1.32	0.020	"	1.25		113	w2-133			
Vinyl Chloride	1.32	0.020	"	1.25		113	ww-1q7			
2urroSateg: ibromofluoromethane	*55.3*		*"*	*5-.%*		*D4.5*	*0%5-%*			
2urroSateg Toluene7d9	*5-.D*		*"*	*5-.%*		*543*	*0%5-%*			
2urroSateg876romofluorobenzene	*5-.0*		*"*	*5-.%*		*545*	*0%5-%*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
LCS Dup (34E2701-BSD1)				Prepared & Analyzed: 05/24/13						
1,1,1,2-Tetrachloroethane	1.07	0.020	ug/l	1.25		45.w	75-1qw	15.5	20	
1,1,1-Trichloroethane	1.1w	0.020	"	1.25		92.4	7q-1q3	0.00	20	
1,1,2,2-Tetrachloroethane	1.1w	0.020	"	1.25		92.4	5w-139	30.5	20	QR-03
1,1,2-Trichloro-trifluoroethane	1.27	0.020	"	1.25		102	4q-125	0.743	20	
1,1,2-Trichloroethane	1.22	0.020	"	1.25		97.w	w7-1q7	1q.0	20	
1,1-Dichloroethane	1.22	0.020	"	1.25		97.w	40-121	q.qq	20	
1,1-Dichloroethene	1.2w	0.020	"	1.25		101	7q-1q7	11.2	20	
1,2-Dichloroethane	1.15	0.020	"	1.25		92.0	75-1q1	0.4ww	20	
8 enzene	1.25	0.020	"	1.25		100	79-114	1.59	20	
cis-1,2-Dichloroethene	1.23	0.020	"	1.25		99.2	45-11w	3.12	20	
Carbon tetrachloride	1.39	0.020	"	1.25		119	73-13q	4.q9	20	
Chloroethane	1.q7	0.020	"	1.25		110	w0-1q7	3.29	20	
Chloroform	1.21	0.020	"	1.25		9w.4	42-130	1.w3	20	
Dichlorodifluoromethane	1.q5	0.020	"	1.25		104	37-129	2.20	20	
Ethylbenzene	1.2q	0.020	"	1.25		94.3	4q-125	7.0w	20	
Methylene Chloride	1.q0	0.020	"	1.25		103	41-12w	5.23	20	
ortho-Xylene	1.2q	0.020	"	1.25		94.3	45-115	5.5q	20	
meta- and para-Xylenes	2.w0	0.020	"	2.50		103	4q-115	3.13	20	
trans-1,2-Dichloroethene	1.qw	0.020	"	1.25		109	72-1qq	2.90	20	
Tetrachloroethene	1.11	0.020	"	1.25		44.4	w0-133	3.31	20	
Toluene	1.20	0.020	"	1.25		9w.0	70-115	4.7w	20	
Trichloroethene	1.2w	0.020	"	1.25		101	w4-1q2	0.791	20	
Trichlorofluoromethane	1.39	0.020	"	1.25		119	w2-133	3.41	20	
Vinyl Chloride	1.qq	0.020	"	1.25		10w	ww-1q7	w.55	20	
2urroSateg: ibromofluoromethane	*55.B*		*"*	*5-.%*		*D.0*	*0%5-%*			
2urroSateg Toluene7d9	*5-.8*		*"*	*5-.%*		*DD.8*	*0%5-%*			
2urroSateg876romofluorobenzene	*5-.%*		*"*	*5-.%*		*DD.D*	*0%5-%*			

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MWH Americas, Inc. 250 No. Madison Avenue Pasadena, CA 91107	Project: Santa Susana Field Laboratory, Canoga Park Project Number: EST2753 Project Manager: Sarah Von Raesfield	**Reported:** 0q-Jun-13 13:5q

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 34E2701 - Volatiles										
Duplicate (34E2701-DUP1)	**Source: 3E42701-02**		Prepared & Analyzed: 05/24/13							
1,1,1,2-Tetrachloroethane	ND	0.020	ug/l		ND				50	
1,1,1-Trichloroethane	ND	0.020	"		ND				50	
1,1,2,2-Tetrachloroethane	ND	0.020	"		ND				50	
1,1,2-Trichloro-trifluoroethane	ND	0.020	"		ND				50	
1,1,2-Trichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethane	ND	0.020	"		ND				50	
1,1-Dichloroethene	ND	0.020	"		ND				50	
1,2-Dichloroethane	ND	0.020	"		ND				50	
8 enzene	ND	0.020	"		ND				50	
cis-1,2-Dichloroethene	ND	0.020	"		ND				50	
Carbon tetrachloride	ND	0.020	"		ND				50	
Chloroethane	ND	0.020	"		ND				50	
Chloroform	ND	0.020	"		ND				50	
Dichlorodifluoromethane	ND	0.020	"		ND				50	
Ethylbenzene	0.00q20	0.020	"		ND				50	J
Methylene Chloride	ND	0.020	"		ND				50	
ortho-Xylene	ND	0.020	"		ND				50	
meta- and para-Xylenes	ND	0.020	"		ND				50	
trans-1,2-Dichloroethene	ND	0.020	"		ND				50	
Tetrachloroethene	ND	0.020	"		ND				50	
Toluene	0.00500	0.020	"		0.00520			q.92	50	J
Trichloroethene	ND	0.020	"		ND				50	
Trichlorofluoromethane	ND	0.020	"		ND				50	
Vinyl Chloride	ND	0.020	"		ND				50	
2urroSateg: ibromofluoromethane	*-.-0*		*"*	*-.%4*		*D5.4*	*0%5-%*			
2urroSateg Toluene7d9	*-.85*		*"*	*-.%4*		*DB.8*	*0%5-%*			
2urroSateg876romofluorobenzene	*-.05*		*"*	*-.%4*		*54D*	*0%5-%*			
2urroSateg6enzene7dB	*-.-9*		*"*	*-.%4*		*D5.8*	*047584*			
2urroSateg Chloroform7d	*-.%5*		*"*	*-.%4*		*544*	*047584*			
2urroSateg Methylene chloride7d-	*-.80*		*"*	*-.%4*		*D9.D*	*047584*			

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Notes and Definitions

QR-03	The RPD result for this analyte in the sample exceeded the QC control limits; ho6 ever, the RPD for other analytes 6 ere 6 ithin the QC control limits.
J	Detected but belo6 the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry 6 eight basis
RPD	Relative Percent Difference

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SUMMARY OF INITIAL CALIBRATION

Rerun sample @ 5ppb @ Most.

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:24:09 2013
Response via : Initial Calibration

Calibration Files
1 =K3IC00_1.D 2 =K3IC0_25.D 3 =K07LCS01.D
4 =K3IC1_25.D 5 =K3IC02_5.D 6 =K3IC12_5.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
1)	I	Fluorobenzene (IS)	----------ISTD----------								
2)	S	Dibromofluoromethan	0.311	0.300	0.318	0.319	0.312	0.311	0.312	2.10	
3)	T	(F12) Dichlorodiflu	0.320	0.284	0.302	0.292	0.321	0.321	0.307	5.36	
4)	P	Chloromethane	0.422	0.302	0.293	0.219	0.221	0.212	0.278	29.02	Linear
5)	CM	Vinyl Chloride	0.276	0.224	0.211	0.207	0.207	0.199	0.221	12.88	
6)	T	Bromomethane	0.338	0.225	0.179	0.162	0.150	0.139	0.199	37.55	Linear
7)	T	Chloroethane	0.030	0.106	0.066	0.102	0.098	0.089	0.082	35.53	Quadratic
8)	T	(F11) Trichlorofluo	0.379	0.365	0.327	0.337	0.323	0.326	0.343	6.87	
9)	T	(F113) 1,1,2-Trichl	0.291	0.221	0.227	0.267	0.239	0.229	0.246	11.15	
10)	CM	1,1-Dichloroethene	0.277	0.287	0.322	0.307	0.291	0.286	0.295	5.61	
11)	T	Acetone	0.267	0.136	0.115	0.061	0.051	0.016	0.108	82.94	Quadratic
12)	M	(IPA) Leak Check Co	0.012	0.022	0.014	0.013	0.014	0.016	0.015	27.59	
13)	T	Carbon disulfide	1.178	1.037	1.080	1.042	0.958	0.941	1.039	8.28	
14)	T	Methylene Chloride	0.418	0.313	0.349	0.339	0.327	0.314	0.343	11.47	
15)		(TBA) tert-Butanol	0.022	0.019	0.027	0.022	0.018	0.020	0.021	16.39	
16)	TM	(MTBE) Methyl-t-but	0.789	0.678	0.760	0.729	0.655	0.638	0.708	8.56	
17)	T	trans-1,2-Dichloroe	0.331	0.360	0.342	0.357	0.310	0.318	0.336	6.07	
18)	PM	1,1-Dichloroethane	0.582	0.580	0.586	0.585	0.521	0.518	0.562	5.90	
19)	T	cis-1,2-Dichloroeth	0.442	0.415	0.416	0.387	0.339	0.345	0.390	10.66	
20)	T	2,2-Dichloropropane	0.561	0.489	0.520	0.497	0.440	0.435	0.490	9.80	
21)	T	(MEK) 2-Butanone	0.036	0.041	0.042	0.021	0.440	0.435	0.035	26.97	Not in use.
22)	T	(DIPE) Diisopropyl	1.055	1.006	1.006	1.025	0.901	0.867	0.977	7.64	
23)	T	Bromochloromethane	0.110	0.155	0.185	0.189	0.182	0.184	0.167	18.39	
24)	CM	Chloroform	0.723	0.654	0.684	0.676	0.594	0.598	0.655	7.70	
25)	T	(ETBE) 2-ethoxy 2-m	1.034	0.874	0.941	0.927	0.821	0.823	0.903	9.00	
26)	T	1,1,1-Trichloroetha	0.516	0.540	0.535	0.523	0.496	0.488	0.517	4.07	
27)	T	(TAME) tert-Amyl me	1.000	0.749	0.821	0.764	0.701	0.680	0.786	14.75	
28)	S	1,2-Dichloroethane-	0.309	0.278	0.303	0.299	0.296	0.293	0.296	3.50	
29)	T	1,1-Dichloropropene	0.547	0.492	0.502	0.489	0.439	0.427	0.482	9.13	
30)	T	Carbon Tetrachlorid	0.401	0.388	0.449	0.460	0.412	0.416	0.421	6.66	
31)	M	Benzene	1.374	1.155	1.267	1.217	1.042	1.008	1.177	11.75	
32)	M	1,2-Dichloroethane	0.501	0.382	0.445	0.419	0.385	0.365	0.416	12.20	
33)	M	Trichloroethene	0.480	0.355	0.386	0.399	0.336	0.324	0.380	14.87	
34)	C	1,2-Dichloropropane	0.298	0.297	0.277	0.290	0.264	0.258	0.281	6.17	
35)	T	Dibromomethane	0.207	0.209	0.227	0.244	0.215	0.216	0.220	6.33	
36)	T	Bromodichloromethan	0.459	0.407	0.479	0.446	0.428	0.433	0.442	5.69	
37)	T	cis-1,3-Dichloropro	0.508	0.451	0.526	0.493	0.447	0.467	0.482	6.63	
38)	I	Chlorobenzene-d5 (IS)	----------ISTD----------								
39)	S	Toluene-d8 (SU3)	1.209	1.139	1.193	1.149	1.157	1.149	1.166	2.42	
40)	T	(MIBK) 4-Methyl-2-P	0.545	0.324	0.388	0.078	0.072	0.088	0.249	79.95	Not in use.
41)	CM	Toluene	2.231	1.790	1.660	1.584	1.518	1.441	1.704	16.71	

42)	T	trans-1,3-Dichlorop	0.601	0.493	0.586	0.607	0.528	0.560	0.563	7.97	
43)	T	1,1,2-Trichloroetha	0.310	0.285	0.355	0.328	0.286	0.281	0.308	9.58	
44)	M	Tetrachloroethene	0.462	0.392	0.677	0.635	0.590	0.281	0.551	21.81	LINEAR
45)	T	1,3-Dichloropropane	0.710	0.578	0.592	0.569	0.532	0.529	0.585	11.33	
46)	T	2-Hexanone	0.333	0.186	0.340	0.266	0.333	0.182	0.273	27.20	
47)	T	Dibromochloromethan	0.426	0.363	0.496	0.458	0.432	0.459	0.439	10.18	
48)	T	1,2-Dibromoethane	0.412	0.355	0.430	0.402	0.394	0.396	0.398	6.27	
49)	PM	Chlorobenzene	1.366	1.154	1.110	1.134	1.086	1.043	1.149	9.84	
50)	T	1,1,1,2-Tetrachloro	0.449	0.384	0.437	0.407	0.388	0.387	0.409	6.91	
51)	CM	Ethylbenzene	2.333	2.080	1.968	1.851	1.736	1.654	1.937	12.77	
52)	TM	m,p-Xylenes	0.809	0.711	0.727	0.669	0.615	0.602	0.689	11.20	
53)	TM	o-Xylene	0.867	0.664	0.674	0.671	0.615	0.594	0.681	14.25	
54)	T	Styrene	1.563	1.015	1.078	1.049	0.973	0.934	1.102	21.01	LINEAR
55)	P	Bromoform	0.237	0.199	0.286	0.259	0.238	0.276	0.249	12.69	
56)	T	Isopropylbenzene	2.188	1.855	1.900	1.811	1.764	1.674	1.865	9.44	
57)	T	1,2,3-Trichloroprop	0.505	0.491	0.593	0.516	0.480	0.472	0.509	8.58	
58)	S	4-Bromofluorobenzen	0.518	0.507	0.527	0.511	0.510	0.495	0.511	2.08	
59)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------						
60)	P	1,1,2,2-Tetrachloro	1.020	0.822	1.013	0.870	0.774	0.905	0.901	11.13	
61)	T	Bromobenzene	1.079	1.003	1.043	0.946	0.914	0.907	0.982	7.20	
62)	T	n-Propylbenzene	6.721	5.112	5.219	4.601	4.392	4.279	5.054	17.82	
63)	T	2-Chlorotoluene	3.644	2.948	3.362	3.044	2.868	2.805	3.112	10.48	
64)	T	1,3,5-Trimethylbenz	3.612	3.208	3.247	3.017	2.832	2.775	3.115	9.93	
65)	T	4-Chlorotoluene	3.315	2.950	2.942	2.812	2.597	2.623	2.873	9.19	
66)	T	tert-Butylbenzene	2.817	2.666	3.007	2.633	2.430	2.371	2.654	8.96	
67)	T	1,2,4-Trimethylbenz	3.774	3.331	3.421	3.050	2.968	2.953	3.250	9.91	
68)	T	sec-Butylbenzene	4.837	3.956	4.522	4.187	3.865	3.852	4.203	9.54	
69)	T	p-Isopropyltoluene	3.974	3.475	3.582	3.347	3.061	3.060	3.417	10.13	
70)	T	1,3-Dichlorobenzene	2.120	1.740	1.888	1.871	1.734	1.744	1.850	8.06	
71)	T	1,4-Dichlorobenzene	2.120	1.740	1.974	1.864	1.658	1.729	1.847	9.43	
72)	T	n-Butylbenzene	4.391	3.645	3.644	3.397	3.264	3.192	3.589	12.14	
73)	T	1,2-Dichlorobenzene	1.716	1.534	1.764	1.657	1.614	1.583	1.645	5.20	
74)	T	1,2-Dibromo-3-chlor	0.082	0.104	0.111	0.148	0.133	0.146	0.121	21.61	LINEAR
75)	T	1,2,4-Trichlorobenz	1.184	1.091	1.244	1.074	1.050	1.044	1.115	7.28	
76)	T	Hexachlorobutadiene	0.297	0.477	0.596	0.481	0.499	0.507	0.476	20.56	LINEAR
77)	T	Naphthalene	2.690	2.294	3.052	2.312	2.176	2.294	2.470	13.55	
78)	T	Hexachloroethane	0.306	0.301	0.391	0.362	0.374	0.435	0.361	14.24	
79)	T	1,2,3-Trichlorobenz	1.346	0.926	1.173	0.993	0.940	0.968	1.058	15.82	

(#) = Out of Range

MW111313.M Wed Nov 13 19:25:18 2013

CONTINUING CALIBRATION VERIFICATION

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 6:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.31	96	1638975	12.50	ug/L	0.02
38) Chlorobenzene-d5 (IS)	13.93	117	1173167	12.50	ug/L	0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.52	152	592935	12.50	ug/L	0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.45	113	466076	11.40	ug/L	0.03
Spiked Amount 12.500	Range 75 - 125		Recovery = 91.20%			
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	470409	12.11	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.88%			
39) Toluene-d8 (SU3)	12.22	98	1412274	12.91	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 103.28%			
58) 4-Bromofluorobenzene (SU4)	15.24	95	615874	12.84	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 102.72%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.12	85	54712	1.36	ug/L	98
4) Chloromethane	4.47	50	39381	1.31	ug/L	97
5) Vinyl Chloride	4.61	62	36360	1.26	ug/L	75
6) Bromomethane	5.16	96	26626	1.30	ug/L	41
7) Chloroethane	5.29	64	18897	1.47	ug/L	73
8) (F11) Trichlorofluorometha	5.67	101	62442	1.39	ug/L	96
9) (F113) 1,1,2-Trichloro-tri	6.38	151	39952	1.24	ug/L	100
10) 1,1-Dichloroethene	6.46	96	53223	1.38	ug/L	96
11) Acetone	6.48	58	71408	-12.50	ug/L	99
12) (IPA) Leak Check Compound	6.55	45	322600	163.80	ug/L	99
13) Carbon disulfide	6.88	76	159205	1.17	ug/L	98
14) Methylene Chloride	7.13	84	57862	1.29	ug/L	95
15) (TBA) tert-Butanol	7.12	59	6732	2.41	ug/L #	77
16) (MTBE) Methyl-t-butyl ethe	7.42	73	114428	1.23	ug/L	97
17) trans-1,2-Dichloroethene	7.50	96	59772	1.36	ug/L	95
18) 1,1-Dichloroethane	8.09	63	80462	1.09	ug/L	96
19) cis-1,2-Dichloroethene	8.85	96	59149	1.16	ug/L	93
20) 2,2-Dichloropropane	8.85	77	551	0.01	ug/L #	1
21) (MEK) 2-Butanone	8.82	72	11149	2.42	ug/L #	27
22) (DIPE) Diisopropyl Ether	8.03	45	170156	1.33	ug/L	95
23) Bromochloromethane	9.19	128	24772	1.13	ug/L #	80
24) Chloroform	9.23	83	97344	1.13	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 6:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) (ETBE) 2-ethoxy 2-methyl p	8.51	59	113578	0.96 ug/L #	98
26) 1,1,1-Trichloroethane	10.29	97	85281	1.26 ug/L	97
27) (TAME) tert-Amyl methyl et	10.02	73	108957	1.06 ug/L	96
29) 1,1-Dichloropropene	9.71	75	71988	1.14 ug/L	96
30) Carbon Tetrachloride	13.91	117	61862	1.12 ug/L	93
31) Benzene	10.00	78	198690	1.29 ug/L #	93
32) 1,2-Dichloroethane	10.02	62	65923	1.21 ug/L	94
33) Trichloroethene	10.76	130	61133	1.23 ug/L	97
34) 1,2-Dichloropropane	11.07	63	48761	1.32 ug/L #	79
35) Dibromomethane	11.22	93	38909	1.35 ug/L	97
36) Bromodichloromethane	11.37	83	60627	1.05 ug/L	89
37) cis-1,3-Dichloropropene	11.88	75	64415	1.02 ug/L	95
40) (MIBK) 4-Methyl-2-Pentanon	12.14	43	20558	0.88 ug/L #	100
41) Toluene	12.30	91	233723	1.46 ug/L	98
42) trans-1,3-Dichloropropene	12.52	75	46082	0.87 ug/L #	73
43) 1,1,2-Trichloroethane	12.76	83	42669	1.48 ug/L	90
44) Tetrachloroethene	12.95	164	62147	1.11 ug/L	97
45) 1,3-Dichloropropane	12.98	76	72708	1.32 ug/L	98
46) 2-Hexanone	12.98	43	57411	2.24 ug/L #	95
47) Dibromochloromethane	13.27	129	53548	1.30 ug/L #	96
48) 1,2-Dibromoethane	13.44	107	55951	1.50 ug/L	99
49) Chlorobenzene	13.97	112	140144	1.30 ug/L	96
50) 1,1,1,2-Tetrachloroethane	14.04	131	46797	1.22 ug/L	95
51) Ethylbenzene	14.04	91	233661	1.29 ug/L	98
52) m,p-Xylenes	14.16	106	168546	2.61 ug/L	99
53) o-Xylene	14.63	106	89098	1.39 ug/L	94
54) Styrene	14.64	104	140003	1.52 ug/L	99
55) Bromoform	14.92	173	32899	1.41 ug/L	94
56) Isopropylbenzene	15.02	105	220213	1.26 ug/L	99
57) 1,2,3-Trichloropropane	15.44	75	79302	1.66 ug/L #	1
60) 1,1,2,2-Tetrachloroethane	15.35	83	74782	1.75 ug/L	95
61) Bromobenzene	15.45	156	60856	1.31 ug/L	96
62) n-Propylbenzene	15.47	91	291317	1.22 ug/L	98
63) 2-Chlorotoluene	15.62	91	182516	1.24 ug/L	100
64) 1,3,5-Trimethylbenzene	15.64	105	187142	1.27 ug/L	98
65) 4-Chlorotoluene	15.73	91	182079	1.34 ug/L	99
66) tert-Butylbenzene	16.02	119	149396	1.19 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 6:26 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

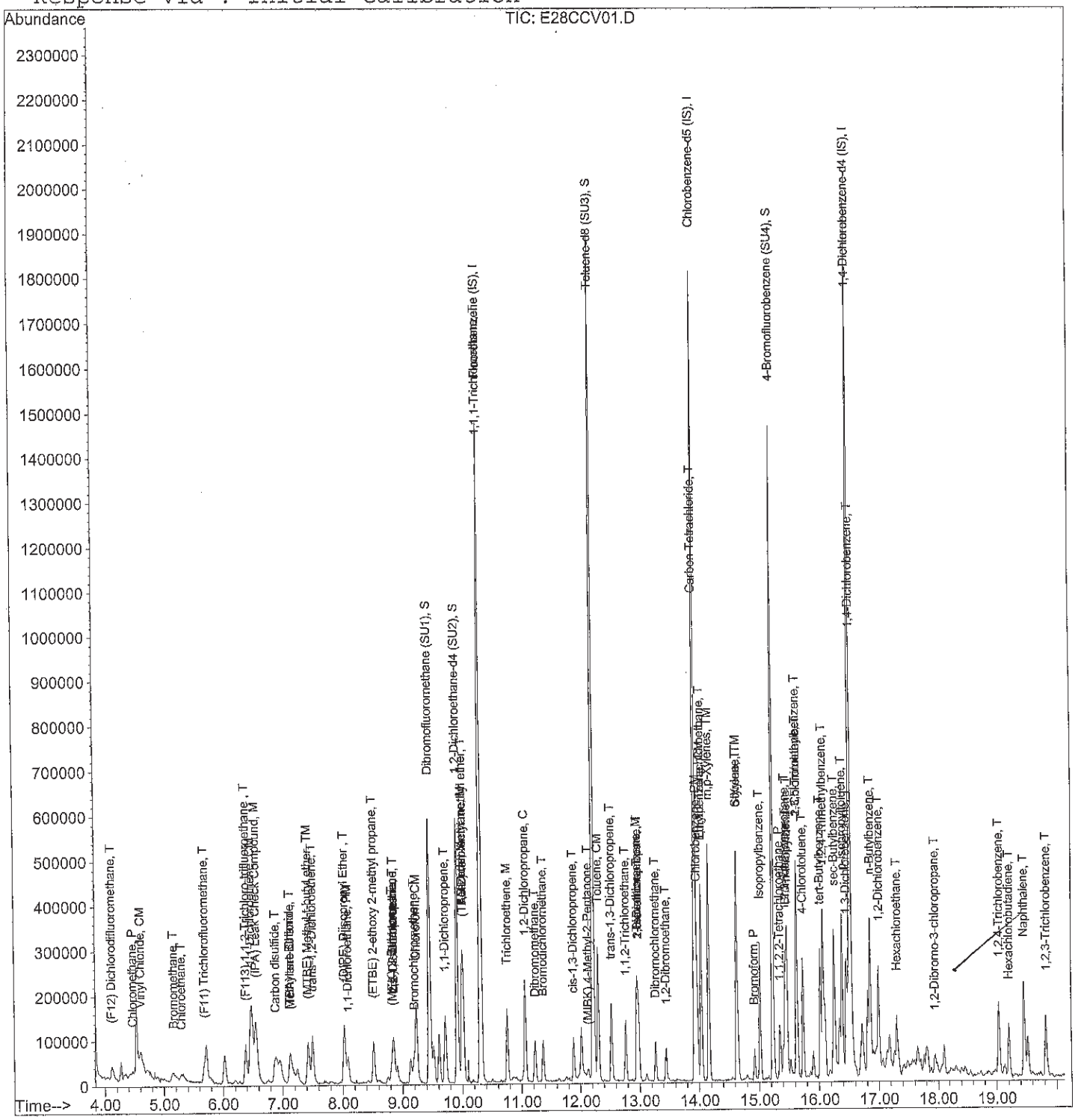
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,4-Trimethylbenzene	16.07	105	223196	1.45 ug/L	91
68) sec-Butylbenzene	16.26	105	249690	1.25 ug/L	100
69) p-Isopropyltoluene	16.39	119	233574	1.44 ug/L #	93
70) 1,3-Dichlorobenzene	16.46	146	111873	1.28 ug/L	98
71) 1,4-Dichlorobenzene	16.54	146	114287	1.30 ug/L	96
72) n-Butylbenzene	16.86	91	221085	1.30 ug/L	99
73) 1,2-Dichlorobenzene	17.00	146	104097	1.33 ug/L	98
74) 1,2-Dibromo-3-chloropropan	17.94	75	13719	2.06 ug/L	86
75) 1,2,4-Trichlorobenzene	19.04	180	67754	1.28 ug/L	98
76) Hexachlorobutadiene	19.21	225	29740	1.25 ug/L	95
77) Naphthalene	19.47	128	256456	2.19 ug/L	100
78) Hexachloroethane	17.30	201	19058	1.11 ug/L #	86
79) 1,2,3-Trichlorobenzene	19.83	180	61579	1.23 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 6:26 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene (IS)	12.500	12.500	0.0	124	0.02
2	S	Dibromofluoromethane (SU1)	12.500	11.401	8.8	110	0.03
3	T	(F12) Dichlorodifluorometha	1.250	1.361	-8.9	141	0.04
4	P	Chloromethane	1.250	1.312	-5.0	135	0.08
5	CM	Vinyl Chloride	1.250	1.257	-0.6	132	0.05
6	T	Bromomethane	1.250	1.299	-3.9	124	0.06
7	T	Chloroethane	1.250	1.473	-17.8	140	0.05
8	T	(F11) Trichlorofluoromethan	1.250	1.388	-11.0	140	0.06
9	T	(F113) 1,1,2-Trichloro-trif	1.250	1.240	0.8	113	0.06
10	CM	1,1-Dichloroethene	1.250	1.376	-10.1	130	0.06
11	T	Acetone	1.250	-12.500	1100.0#	878	0.03
12	M	(IPA) Leak Check Compound	62.500	163.801	-162.1#	348	0.01
13	T	Carbon disulfide	1.250	1.168	6.6	115	0.07
14	T	Methylene Chloride	1.250	1.286	-2.9	129	0.04
15		(TBA) tert-Butanol	12.500	2.408	80.7#	23	0.00
16	TM	(MTBE) Methyl-t-butyl ether	2.500	1.232	50.7#	59	0.02
17	T	trans-1,2-Dichloroethene	1.250	1.355	-8.4	126	0.04
18	PM	1,1-Dichloroethane	1.250	1.092	12.6	104	0.04
19	T	cis-1,2-Dichloroethene	1.250	1.155	7.6	115	0.03
20	T	2,2-Dichloropropane	1.250	0.009	99.3#	1	0.02
21	T	(MEK) 2-Butanone	1.250	2.420	-93.6#	204	0.04
22	T	(DIPE) Diisopropyl Ether	1.250	1.329	-6.3	125	0.02
23	T	Bromochloromethane	1.250	1.129	9.7	99	0.04
24	CM	Chloroform	1.250	1.134	9.3	108	0.03
25	T	(ETBE) 2-ethoxy 2-methyl pr	1.250	0.959	23.3	92	0.01
26	T	1,1,1-Trichloroethane	1.250	1.259	-0.7	123	0.81#
27	T	(TAME) tert-Amyl methyl eth	1.250	1.057	15.4	107	0.02
28	S	1,2-Dichloroethane-d4 (SU2)	12.500	12.107	3.1	118	0.02
29	T	1,1-Dichloropropene	1.250	1.138	9.0	111	0.03
30	T	Carbon Tetrachloride	1.250	1.121	10.3	101	4.20#
31	M	Benzene	1.250	1.287	-3.0	123	0.02
32	M	1,2-Dichloroethane	1.250	1.208	3.4	119	0.03
33	M	Trichloroethene	1.250	1.228	1.8	116	0.02
34	C	1,2-Dichloropropane	1.250	1.325	-6.0	127	0.02
35	T	Dibromomethane	1.250	1.351	-8.1	120	0.01
36	T	Bromodichloromethane	1.250	1.046	16.3	102	0.02
37	T	cis-1,3-Dichloropropene	1.250	1.019	18.5	98	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	I	Chlorobenzene-d5 (IS)	12.500	12.500	0.0	113	0.01
39	S	Toluene-d8 (SU3)	12.500	12.907	-3.3	119	0.01
40	T	(MIBK) 4-Methyl-2-Pentanone	1.250	0.878	29.8	254	0.02
41	CM	Toluene	1.250	1.461	-16.9	143	0.02
42	T	trans-1,3-Dichloropropene	1.250	0.873	30.2#	73	0.01
43	T	1,1,2-Trichloroethane	1.250	1.478	-18.2	126	0.01
44	M	Tetrachloroethene	1.250	1.106	11.5	95	0.01
45	T	1,3-Dichloropropane	1.250	1.324	-5.9	124	0.01
46	T	2-Hexanone	1.250	2.237	-79.0#	208	0.01
47	T	Dibromochloromethane	1.250	1.299	-3.9	113	0.01
48	T	1,2-Dibromoethane	1.250	1.497	-19.8	135	0.01
49	PM	Chlorobenzene	1.250	1.300	-4.0	120	0.01
50	T	1,1,1,2-Tetrachloroethane	1.250	1.220	2.4	111	0.01
51	CM	Ethylbenzene	1.250	1.285	-2.8	122	0.01
52	TM	m,p-Xylenes	2.500	2.608	-4.3	122	0.01
53	TM	o-Xylene	1.250	1.394	-11.5	128	0.01
54	T	Styrene	1.250	1.518	-21.4	129	0.00
55	P	Bromoform	1.250	1.406	-12.5	123	0.01
56	T	Isopropylbenzene	1.250	1.258	-0.6	118	0.01
57	T	1,2,3-Trichloropropane	1.250	1.659	-32.7#	149	0.01
58	S	4-Bromofluorobenzene (SU4)	12.500	12.835	-2.7	117	0.01
59	I	1,4-Dichlorobenzene-d4 (IS)	12.500	12.500	0.0	118	0.01
60	P	1,1,2,2-Tetrachloroethane	1.250	1.750	-40.0#	171	0.00
61	T	Bromobenzene	1.250	1.307	-4.6	128	0.00
62	T	n-Propylbenzene	1.250	1.215	2.8	126	0.01
63	T	2-Chlorotoluene	1.250	1.237	1.0	119	0.01
64	T	1,3,5-Trimethylbenzene	1.250	1.267	-1.4	124	0.01
65	T	4-Chlorotoluene	1.250	1.336	-6.9	129	0.00
66	T	tert-Butylbenzene	1.250	1.187	5.0	113	0.00
67	T	1,2,4-Trimethylbenzene	1.250	1.448	-15.8	146	0.01
68	T	sec-Butylbenzene	1.250	1.252	-0.2	119	0.00
69	T	p-Isopropyltoluene	1.250	1.441	-15.3	139	0.01
70	T	1,3-Dichlorobenzene	1.250	1.275	-2.0	119	0.01
71	T	1,4-Dichlorobenzene	1.250	1.304	-4.3	122	0.00
72	T	n-Butylbenzene	1.250	1.299	-3.9	130	0.01
73	T	1,2-Dichlorobenzene	1.250	1.334	-6.7	125	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28CCV01.D Vial: 9
Acq On : 28 May 2014 5:58 am Operator: DN
Sample : 1.25/2.5/12.5 ug/L 8260B std Inst : GC/MS Ins
Misc : 20mL 8260 CCV Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
74	T	1,2-Dibromo-3-chloropropane	1.250	2.056	-64.5#	184	0.00
75	T	1,2,4-Trichlorobenzene	1.250	1.281	-2.5	126	0.01
76	T	Hexachlorobutadiene	1.250	1.250	0.0	123	0.01
77	T	Naphthalene	1.250	2.189	-75.1#	221	0.01
78	T	Hexachloroethane	1.250	1.112	11.0	105	0.00
79	T	1,2,3-Trichlorobenzene	1.250	1.227	1.8	123	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

SUMMARY OF INTERNAL STANDARDS

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\052814L3\E28BFB01.D
Tune Time : 28 May 14 5:46 am

Daily Calibration File : C:\HPCHEM\1\DATA\013014L3\A30CCV01.D

						(PFB)	(CLBD	(1,4-
						1590180	1163370	587649
File	Sample	Surrogate Recovery %				Internal Standard Responses		
E2800001.D	3E42801-	88	90	98	106	1767160	1332651	691087
E2800002.D	3E42801-	93	98	95	107	1628814	1280080	672692
E2800003.D	34E2801-	91	94	96	109	1647725	1270840	683800
E2800004.D	3E42801-	94	95	98	110	1588325	1230604	662439
E2800005.D	3E42801-	90	94	97	109	1591812	1232045	673028
E2800006.D	3E42801-	92	95	96	105	1624445	1300399	693251
E2800007.D	3E42801-	91	89	97	105	1784446	1395228	722995
E2800008.D	3E42801-	90	89	96	105	1702842	1327452	706606
E2800009.D	3E42801-	93	93	96	112	1630177	1266889	700521
E2800010.D	3E42801-	87	88	95	106	1758241	1351582	724286
E2800011.D	3E42801-	91	93	96	108	1619122	1276085	681965
E2800012.D	3E42801-	93	95	97	110	1597393	1246183	690192
E28BLK01.D	34E2801-	89	93	98	107	1886088	1421471	727836
E28LCS01.D	34E2801-	90	95	103	101	1521673	1091734	541503
E28LCS02.D	34E2801-	93	92	99	100	1584704	1196933	588085

t - fails 12hr time check * - fails criteria

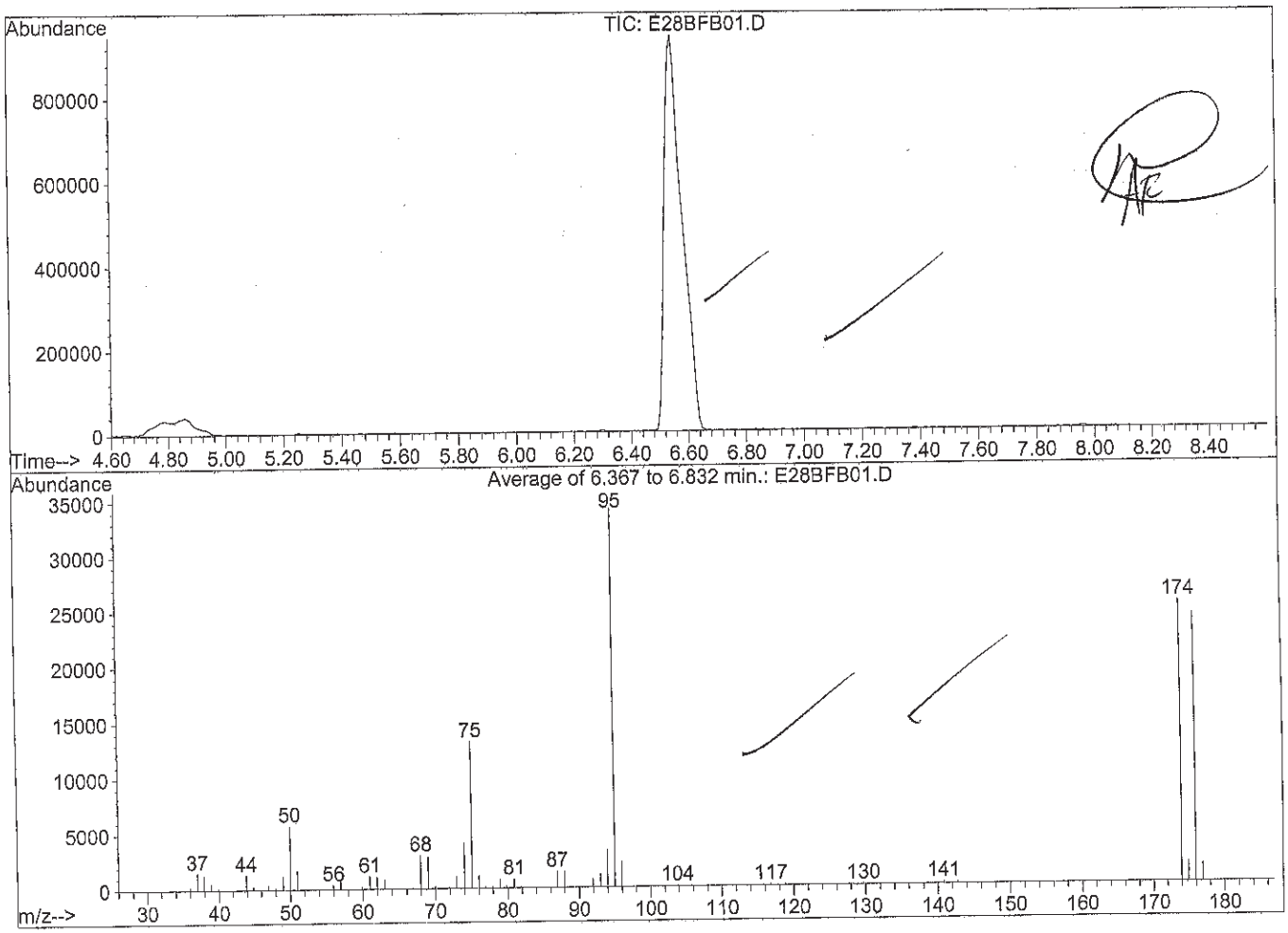
Created: Sun Jun 08 11:44:57 2014 GC MS Ins

SUMMARY OF INSTRUMENT TUNING

BFB

Data File : C:\HPCHEM\1\DATA\052814L3\E28BFB01.D
Acq On : 28 May 2014 5:46 am
Sample : 50 ng BFB tune
Misc : 12HRS SYSTEM BFB TUNING
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN

Vial: 1
Operator: DN
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Average of 6.367 to 6.832 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	5733	PASS
75	95	30	60	38.7	13215	PASS
95	95	100	100	100.0	34153	PASS
96	95	5	9	6.7	2301	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.1	25306	PASS
175	174	5	9	7.1	1804	PASS
176	174	95	101	95.6	24197	PASS
177	176	5	9	6.4	1555	PASS

E28BFB01.D SS072713.M Wed May 28 05:54:54 2014

INJECTION LOG

Injection Log

Directory: c:\hpchem\1\data\052814l3

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	11	e2800001.d	10.	3E42801-01	100cc Equipment Blank	28 May 14 08:13
2	1	e2800002.d	10.	3E42801-02	100cc SVL-515-SA5D-SV-5.0-6.0	28 May 14 08:47
3	2	e2800003.d	10.	34E2801-DUP1	100cc SVL-515-SA5D-SV-5.0-6.0	28 May 14 09:20
4	3	e2800004.d	10.	3E42801-03	100cc SVL-815-SA5D-SV-5.0-6.0	28 May 14 09:49
5	4	e2800005.d	10.	3E42801-04	100cc SVL-515-SA5D-SV-12.5-13.8	28 May 14 10:19
6	5	e2800006.d	10.	3E42801-05	100cc SVL-511-SA5D-SV-4.5-5.5	28 May 14 10:47
7	6	e2800007.d	10.	3E42801-06	100cc SVL-511-SA5D-SV-9.5-10.5	28 May 14 11:18
8	7	e2800008.d	10.	3E42801-07	100cc SVL-516-SA5D-SV-6.0-7.0	28 May 14 11:47
9	8	e2800009.d	10.	3E42801-08	100cc SVL-516-SA5D-SV-14.0-15.0	28 May 14 12:16
10	1	e2800010.d	10.	3E42801-09	100cc SVL-510-SA5D-SV-7.5-8.5	28 May 14 13:14
11	2	e2800011.d	10.	3E42801-10	100cc SVL-544-SA5D-SV-4.5-5.5	28 May 14 13:50
12	3	e2800012.d	10.	3E42801-11	100cc FB-052814	28 May 14 14:19
13	1	e28bfb01.d	1.	50 ng BFB tune	12HRS SYSTEM BFB TUNING	28 May 14 05:46
14	11	e28blk01.d	10.	34E2801-BLK1	100cc AMBIENT AIR/H20	28 May 14 07:43
15	9	e28ccv01.d	1.	1.25/2.5/12.5 ug/L 8260B std	20mL 8260 CCV	28 May 14 05:58
16	10	e28lcs01.d	1.	34E2801-BS1	20cc 1.25/2.5/12.5 ug/L LCS	28 May 14 06:28
17	9	e28lcs02.d	1.	34E2801-BSD1	20cc 1.25/2.5/12.5 ug/L LCS	28 May 14 14:47

SAMPLE LOG SHEET

Environmental Support Technologies, Inc.
SOIL GAS - FIELD ANALYSIS
Sample Log Sheet

Date:_05/28/2014_____
Analyst:_____DN_____
Lab ID:_____# 3_____
Batch Number:_34E2801_____
Project Number:_EST2754___

EPA Method:_8260B CHHSLS 0.02 RL GILAN AIR5 PUMP
Initial Calibration:_MW111313.MTH FLOW RATE @ 200mL/min
Cal Std Lot No.:__4D14009_____
LCS Std Lot No.:_4D14008_____ Glass Bulb Bake @
IS/SS Lot No.:___4D14001_____ 130 degree for 30 min

MWH SSFL , CA

File No.	Port No.	Sample Lab No.	Sample ID	Amount	Dilution Factor	Bulb Surr added	Time Sample Loaded	Time Sample Analyzed	Glass Bulb #	PID READING
E428BFB1	1	50uL BFB1	12HRS TUNING	1uL	1x	PASS	@	546		
CCV1	9	1.25/2.5/12.5 CCV1	8260 STARDARD	20mL	1x	550	551	558		
BS1	9	34E2801-BS1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	610	611	628		
BLK1	1	34E2801-BLK1	METHOD BLANK	100cc	1x	730	731	743		
1	2	3E42801-01	EQUIPMENT BLANK	100cc	1x	800	801	813	8	0.0
2	1	3E42801-02	SVL-515-SA5D-SV-5.0-6.0	100cc	1x	816	817	847	3	0.0
3	2	34E2801-DUP1	SVL-515-SA5D-SV-5.0-6.0	100cc	1x	816	817	920	3	0.0
4	3	3E42801-03	SVL-815-SA5D-SV-5.0-6.0	100cc	1x	816	817	949	10	0.0
5	4	3E42801-04	SVL-515-SA5D-SV-12.5-13.8	100cc	1x	857	858	1019	13	0.0
6	5	3E42801-05	SVL-511-SA5D-SV-4.5-5.5	100cc	1x	946	947	1047	11	0.0
7	6	3E42801-06	SVL-511-SA5D-SV-9.5-10.5	100cc	1x	1019	1020	1118	12	0.0
8	7	3E42801-07	SVL-516-SA5D-SV-6.0-7.0	100cc	1x	1055	1056	1147	5	0.0
9	8	3E42801-08	SVL-516-SA5D-SV-14.0-15.0	100cc	1x	1126	1127	1216	6	0.0
10	1	3E42801-09	SVL-510-SA5D-SV-7.5-8.5	100cc	1x	1250	1251	1314	9	0.0
11	2	3E42801-10	SVL-544-SA5D-SV-4.5-5.5	100cc	1x	1325	1326	1350	1	0.0
12	3	3E42801-11	FB-052814	100cc	1x	1356	1357	1419	7	0.0
BSD1	9	34E2801-BSD1	8260 1.25/2.5/12.5 ug/L LCS	20mL	1x	1430	1431	1447		

CASE NARRATIVE

LABORATORY CASE NARRATIVE
(EPA 8260B)

SDG: 34E2801
DATE: May 28, 2014
PROJECT No.: EST2754

Eleven (11) Glass Bulb soil vapor samples were analyzed on May 28, 2014, by EPA Method Analysis performed using a gas chromatograph/mass spectrometer (GC/MS).

Sample Preservation and Holding Times

Samples were preserved according to the method recommendation, unless otherwise noted on the chain-of-custody (COC) and /or the sample log sheet. Holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC Criteria

All quality objective criteria were met, except as noted in the report with data qualifiers.

Samples Analysis

No anomalies were observes during analysis of the samples.

COMMENTS:

Results that fall between the MDL and RL are 'J' flagged.

Adjusted values corrected for significant figure correction (10X) and sample volume (5X).

RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION DUPLICATE SAMPLE

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800003.D Vial: 2
Acq On : 28 May 2014 9:20 am Operator: DN
Sample : 34E2801-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1647725	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1270840	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	683800	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	467241	11.37	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.96%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	459221	11.76	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.08%			
39) Toluene-d8 (SU3)	12.20	98	1428098	12.05	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.40%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	705094	13.57	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 108.56%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	2193	-0.43	~~ug/L~~ #	41
6) Bromomethane	5.14	96	6394	1.75	~~ug/L~~	90
7) Chloroethane	5.21	64	672	1.18	~~ug/L~~	95
11) Acetone	6.48	58	7290	6.58	~~ug/L~~	91
12) (IPA) Leak Check Compound	6.48	45	138535	699.68	~~ug/L~~ #	83
13) Carbon disulfide	6.85	76	2497	0.18	~~ug/L~~ #	76
14) Methylene Chloride	7.09	84	7137	1.58	~~ug/L~~ #	9
15) (TBA) tert-Butanol	6.90	59	3310	11.78	~~ug/L~~ #	77
20) 2,2-Dichloropropane	8.72	77	259	0.04	~~ug/L~~ #	1
24) Chloroform	9.21	83	2106	0.24	~~ug/L~~ #	1
29) 1,1-Dichloropropene	9.94	75	254	0.04	~~ug/L~~ #	1
31) Benzene	9.98	78	539	0.03	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.93	62	7312	1.33	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.19	43	6600	2.60	~~ug/L~~ #	100
41) Toluene	12.29	91	4279	0.25	ug/L	88
46) 2-Hexanone	12.93	43	1553	0.56	~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	3080	0.16	ug/L	93
52) m,p-Xylenes	14.15	106	1929	0.28	ug/L #	51
53) o-Xylene	14.63	106	280	0.04	ug/L #	1
54) Styrene	14.63	104	1580	-0.72	~~ug/L~~ #	61
56) Isopropylbenzene	15.22	105	1317	0.07	~~ug/L~~ #	1
62) n-Propylbenzene	15.46	91	587	0.02	ug/L #	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E2800003.D Vial: 2
Acq On : 28 May 2014 9:20 am Operator: DN
Sample : 34E2801-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:54 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

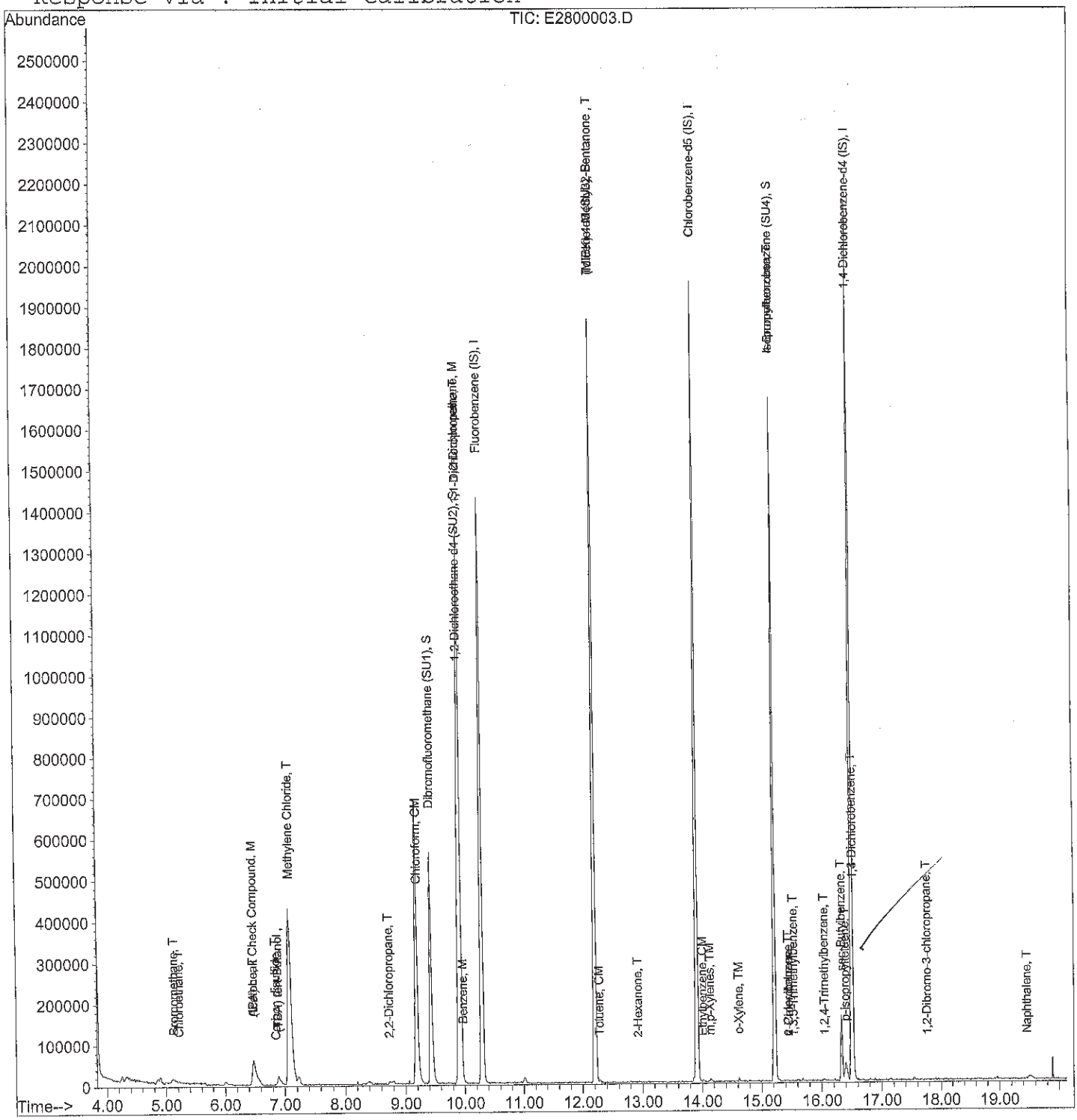
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	2-Chlorotoluene	15.46	91	587	0.03	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.54	105	541	0.03	~~ug/L~~ #	31
67)	1,2,4-Trimethylbenzene	16.05	105	1414	0.08	~~ug/L~~ #	33
68)	sec-Butylbenzene	16.33	105	2000	0.09	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	656	0.04	~~ug/L~~ #	52
70)	1,3-Dichlorobenzene	16.54	146	267	0.03	~~ug/L~~ #	24
71)	1,4-Dichlorobenzene	16.54	146	267	0.03	~~ug/L~~ #	22
74)	1,2-Dibromo-3-chloropropan	17.75	75	320	1.29	ug/L #	6
77)	Naphthalene	19.45	128	436	0.03	~~ug/L~~	100

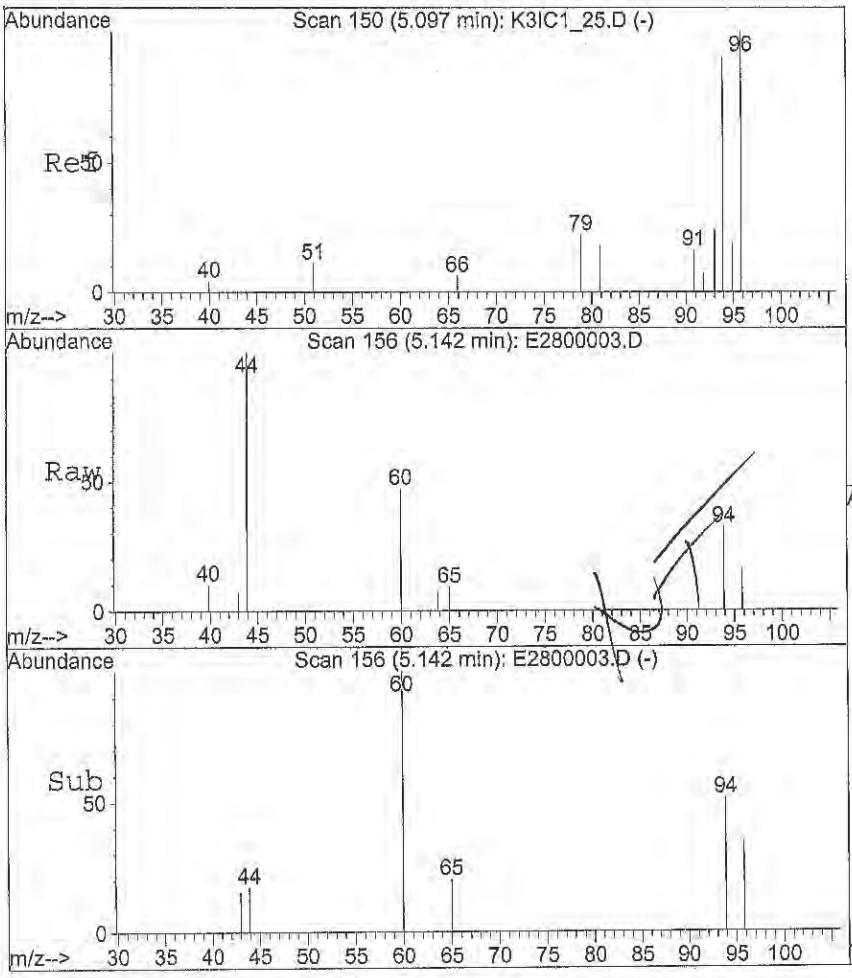
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800003.D Vial: 2
Acq On : 28 May 2014 9:20 am Operator: DN
Sample : 34E2801-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:54 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

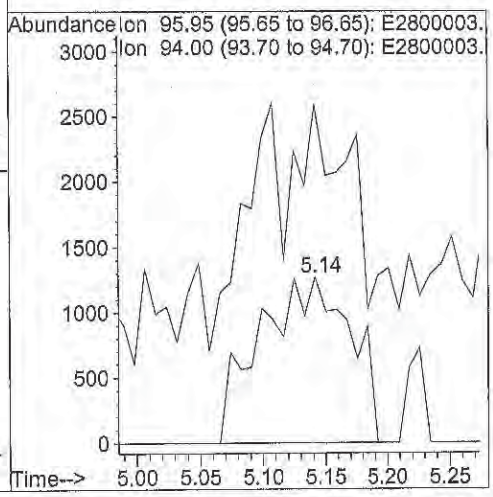


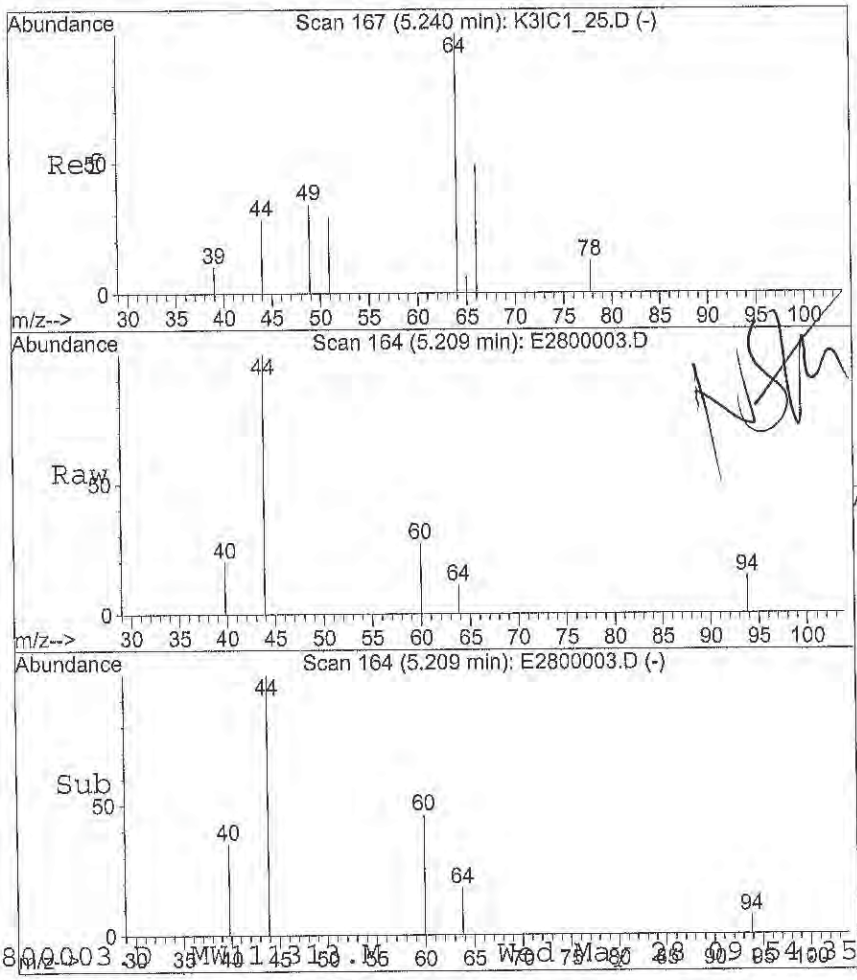


#6
Bromomethane
Concen: 1.75 ug/L
RT: 5.14 min Scan# 156
Delta R.T. 0.05 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 96 Resp: 6394

Ion	Ratio	Lower	Upper
96	100		
94	114.8	101.0	151.4

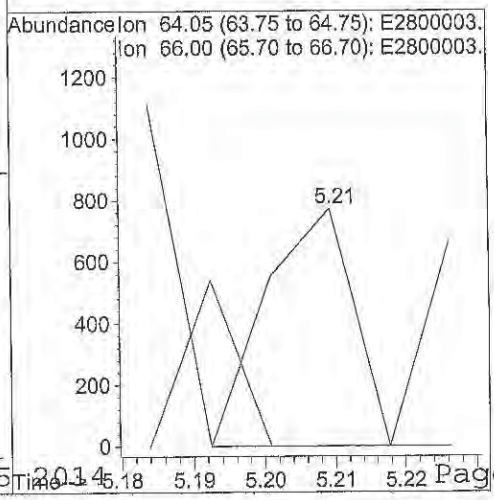


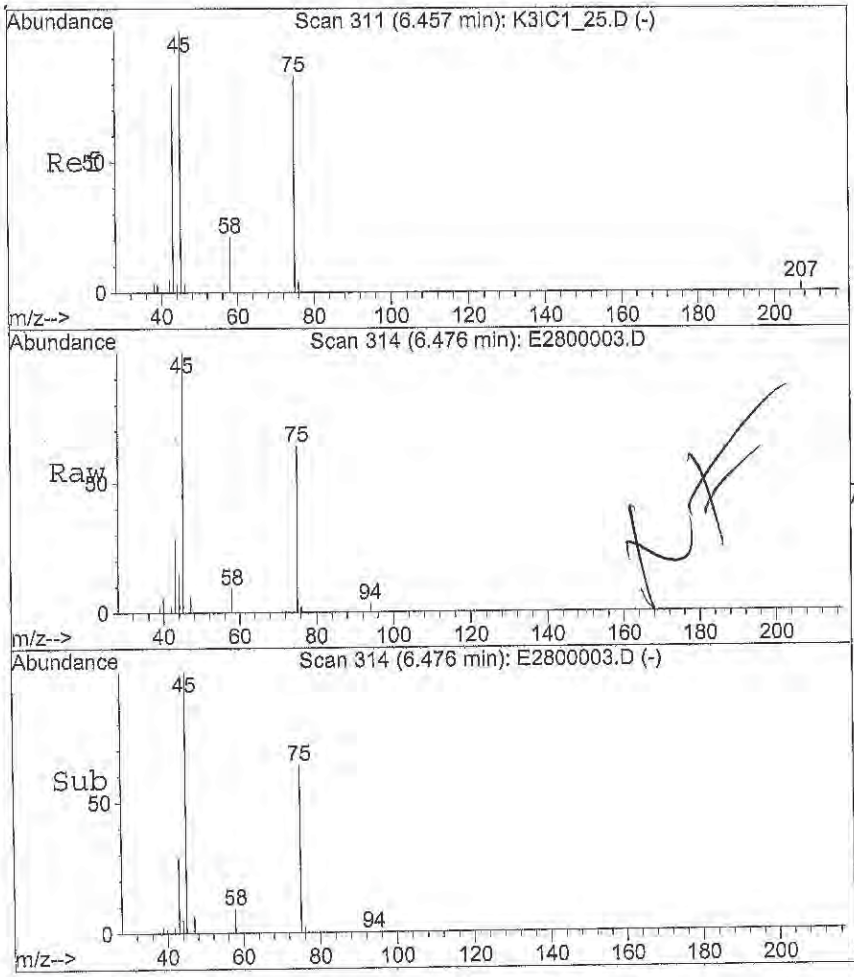


#7
Chloroethane
Concen: 1.18 ug/L
RT: 5.21 min Scan# 164
Delta R.T. -0.03 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 64 Resp: 672

Ion	Ratio	Lower	Upper
64	100		
66	40.8	35.4	53.0

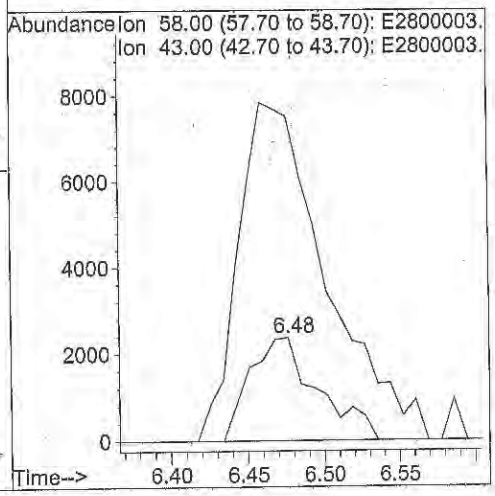


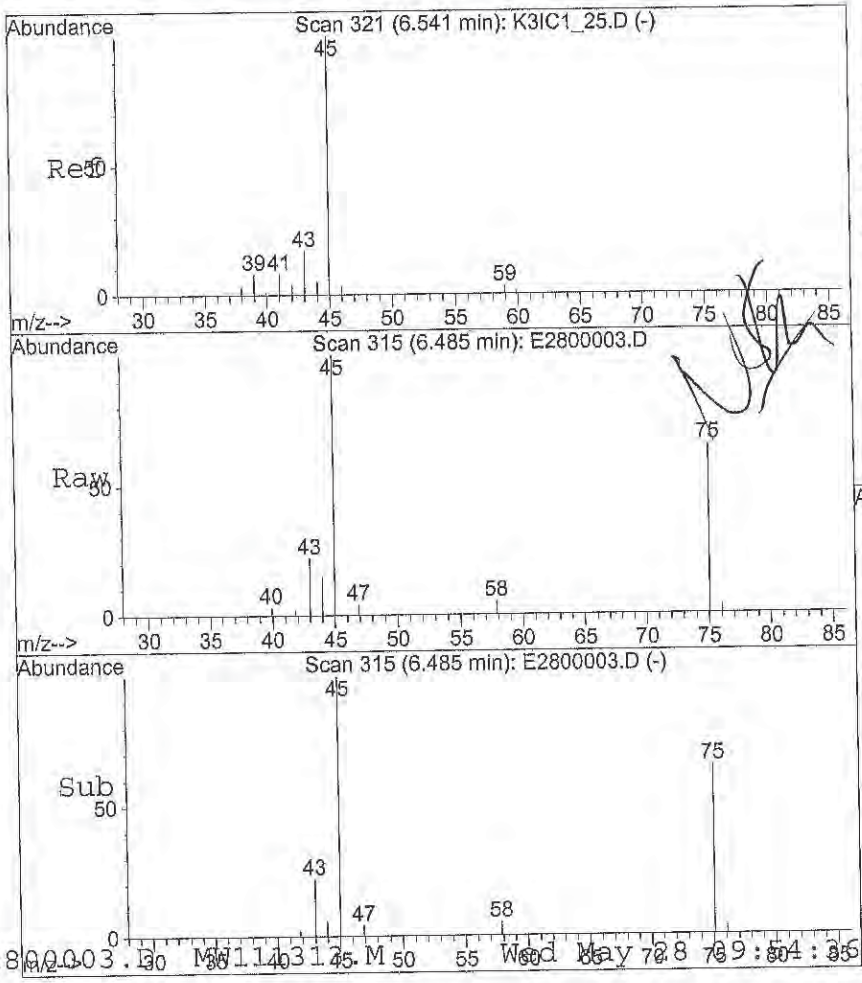


#11
Acetone
Concen: 6.58 ug/L
RT: 6.48 min Scan# 314
Delta R.T. 0.02 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 58 Resp: 7290

Ion	Ratio	Lower	Upper
58	100		
43	426.7	360.9	541.3

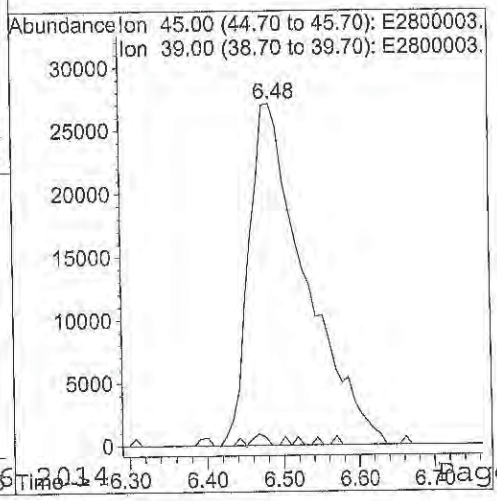


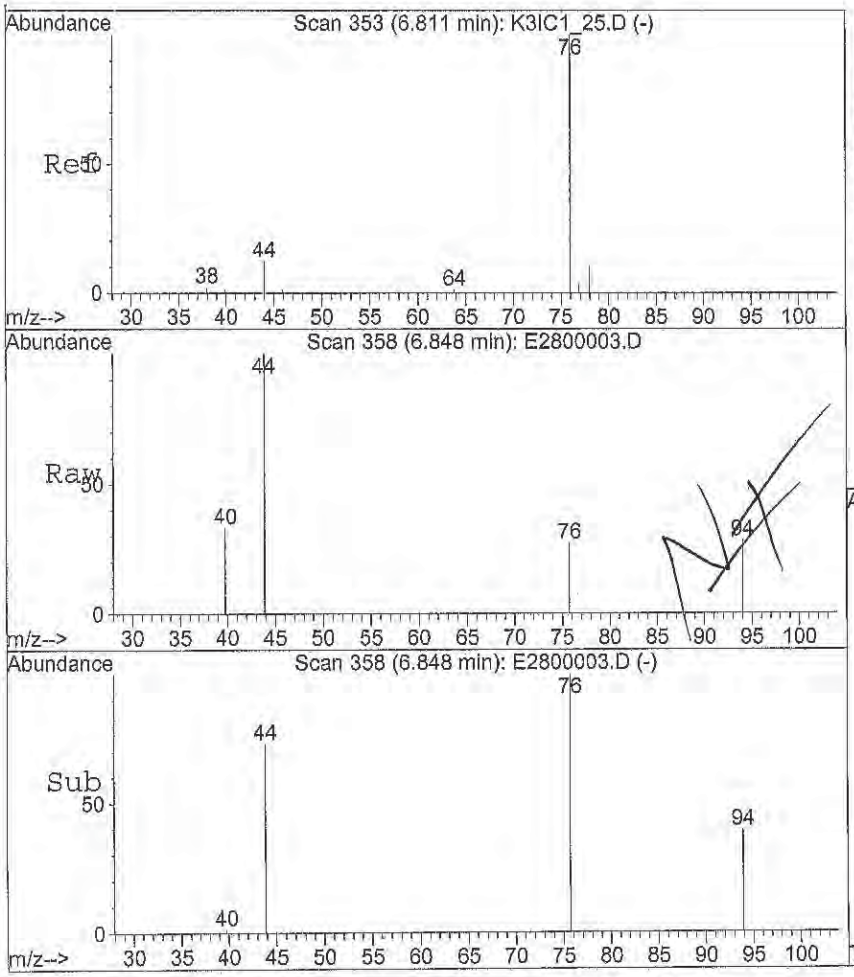


#12
(IPA) Leak Check Compound
Concen: 699.68 ug/L
RT: 6.48 min Scan# 315
Delta R.T. -0.06 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 45 Resp: 138535

Ion	Ratio	Lower	Upper
45	100		
39	0.5	4.9	7.3#

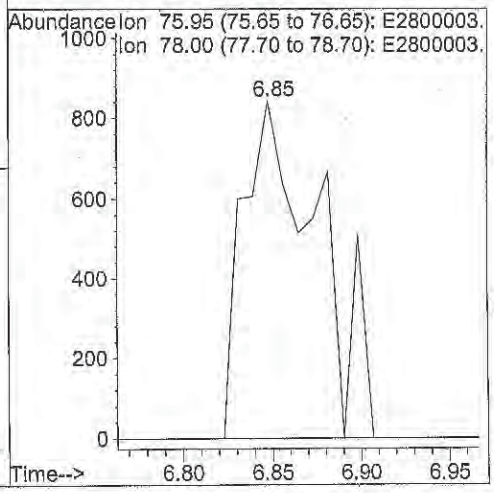


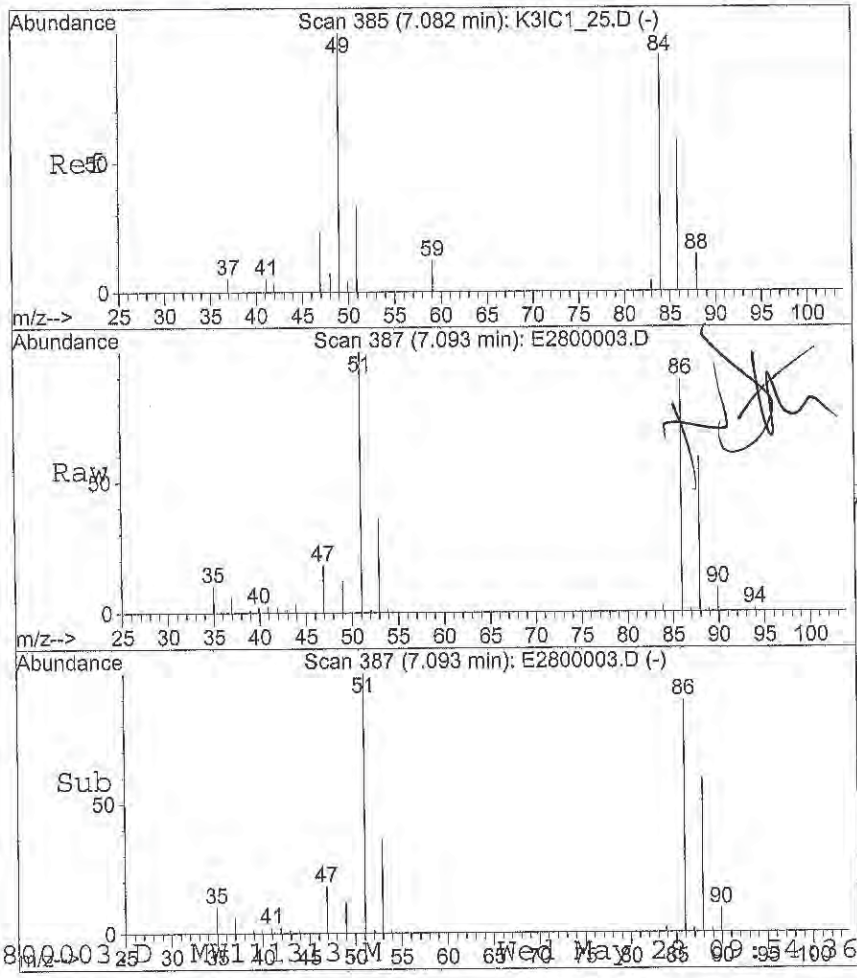


#13
Carbon disulfide
Concen: 0.18 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 76 Resp: 2497

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

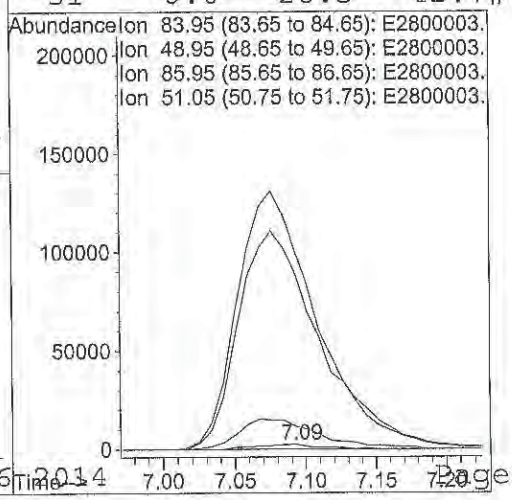


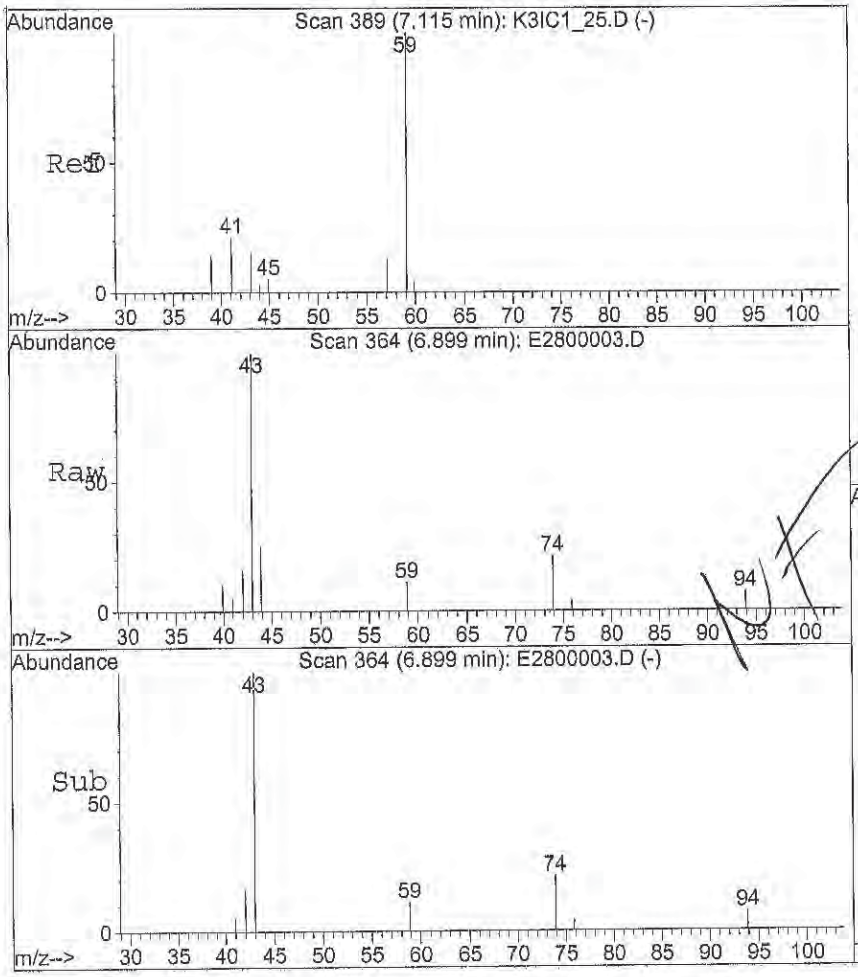


#14
Methylene Chloride
Concen: 1.58 ug/L
RT: 7.09 min Scan# 387
Delta R.T. 0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 84 Resp: 7137

Ion	Ratio	Lower	Upper
84	100		
49	0.0	89.8	134.6#
86	0.0	51.1	76.7#
51	0.0	28.5	42.7#

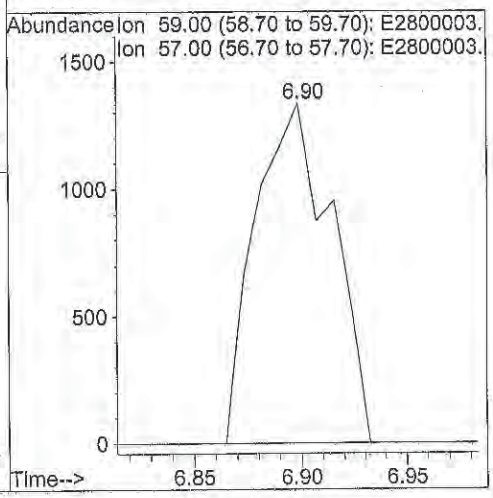


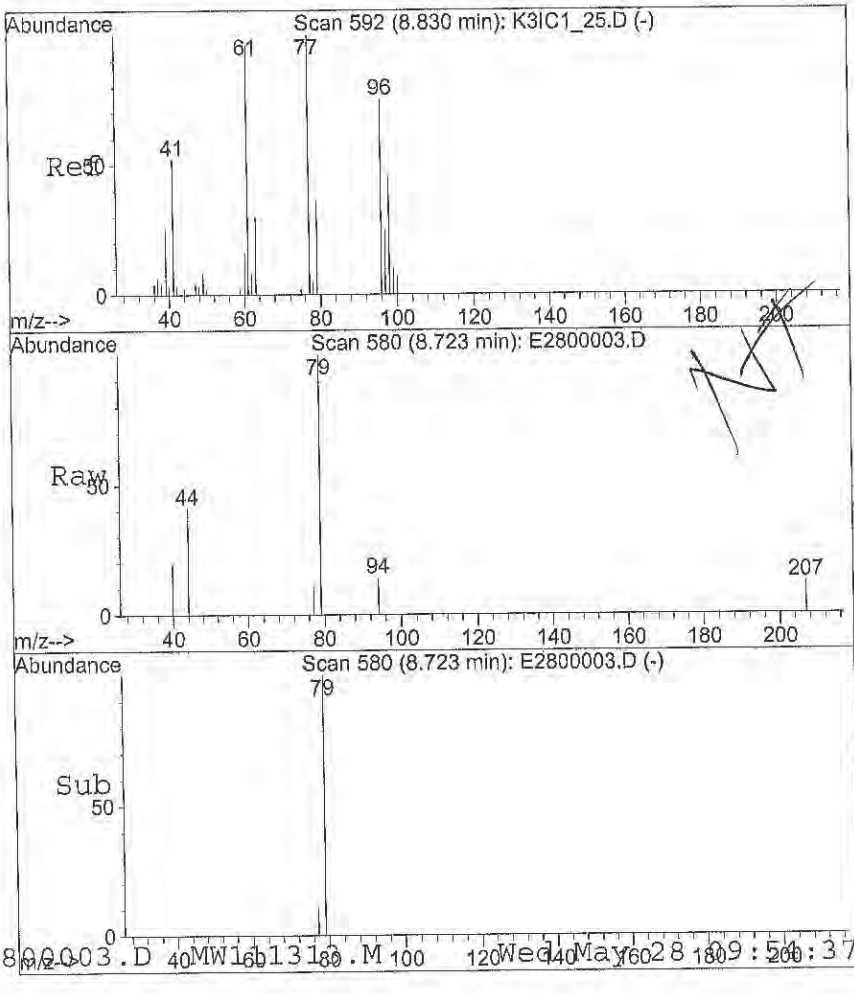


#15
(TBA) tert-Butanol
Concen: 11.78 ug/L
RT: 6.90 min Scan# 364
Delta R.T. -0.22 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 59 Resp: 3310

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

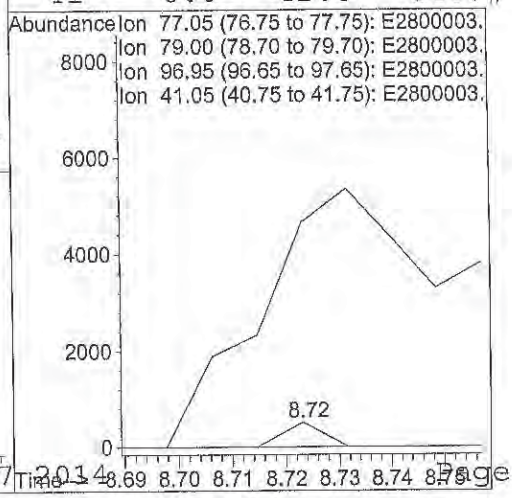


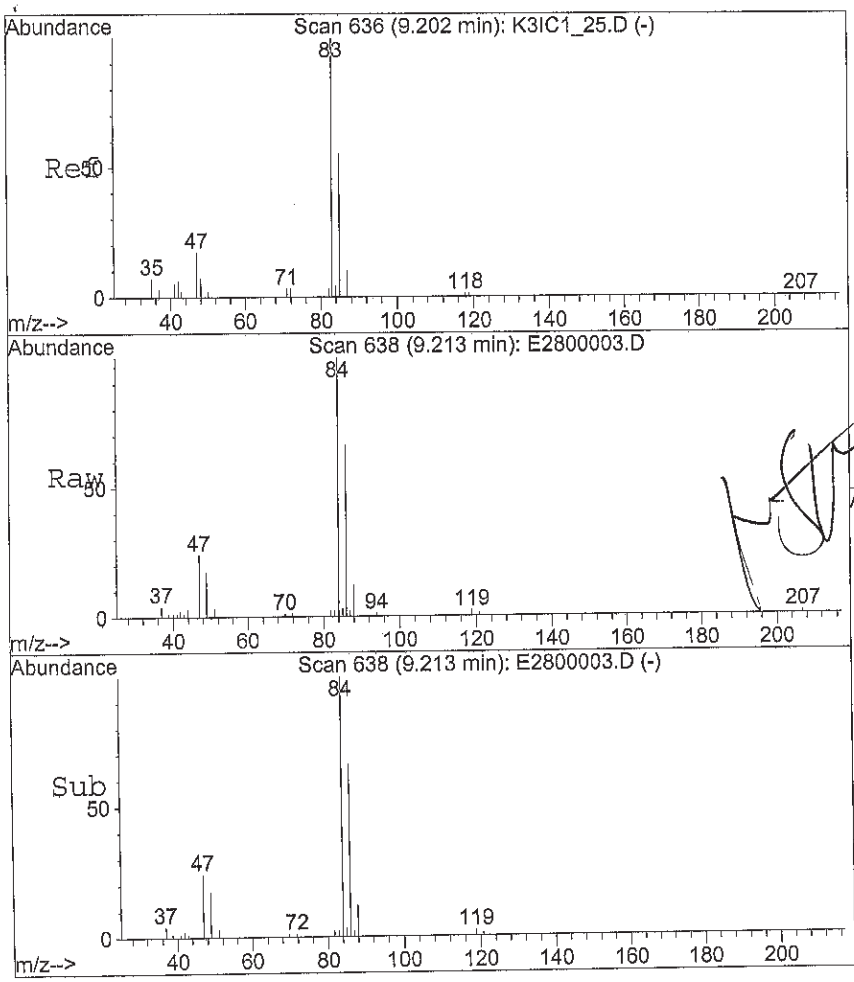


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.72 min Scan# 580
Delta R.T. -0.11 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 77 Resp: 259

Ion	Ratio	Lower	Upper
77	100		
79	6874.9	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

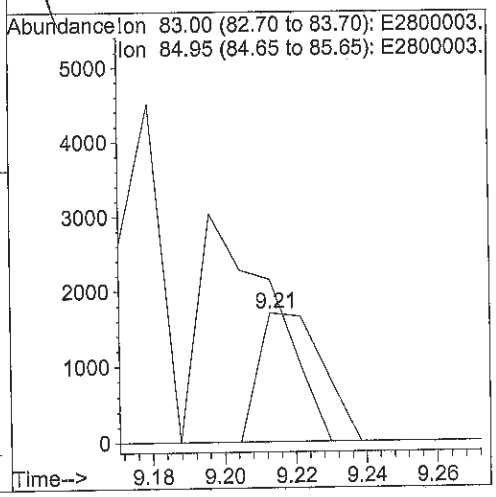


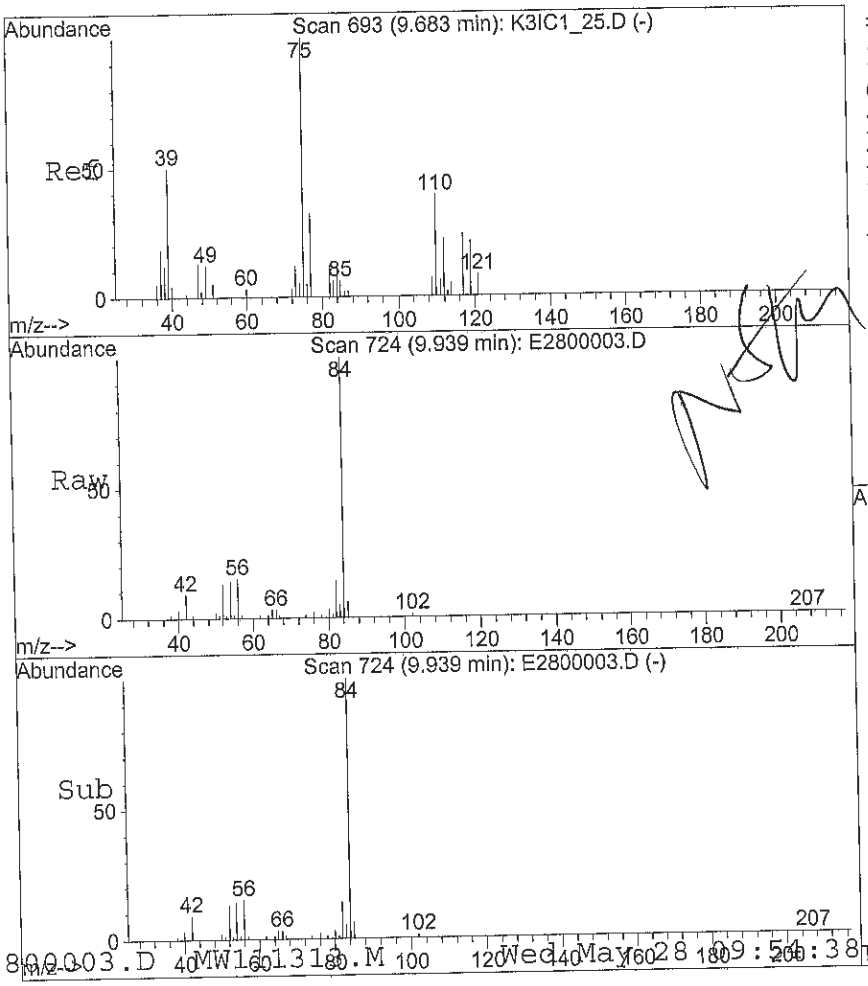


#24
Chloroform
Concen: 0.24 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 83 Resp: 2106

Ion	Ratio	Lower	Upper
83	100		
85	203.6	51.8	77.6#

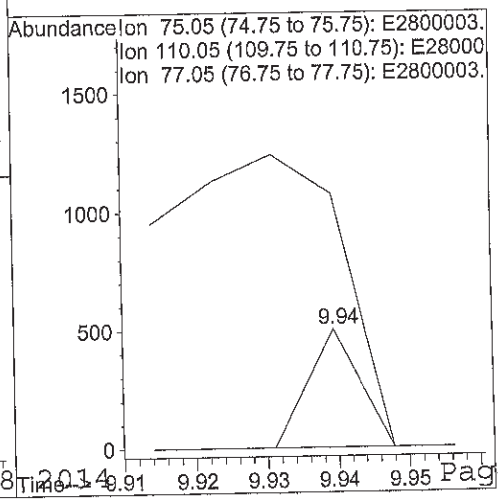


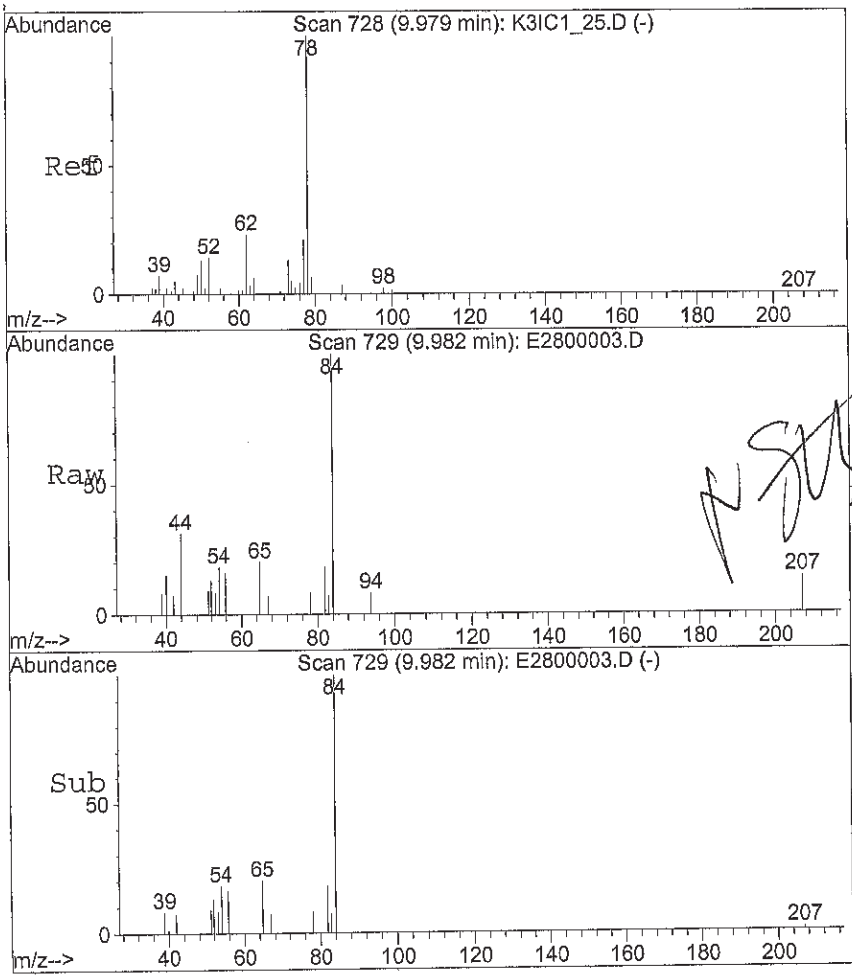


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.94 min Scan# 724
Delta R.T. 0.26 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 75 Resp: 254

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	1151.6	25.0	37.4#

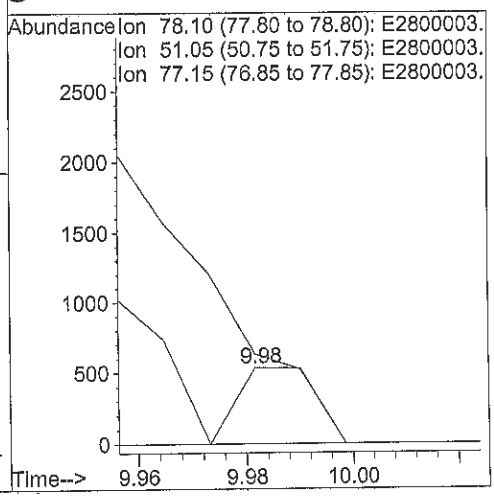


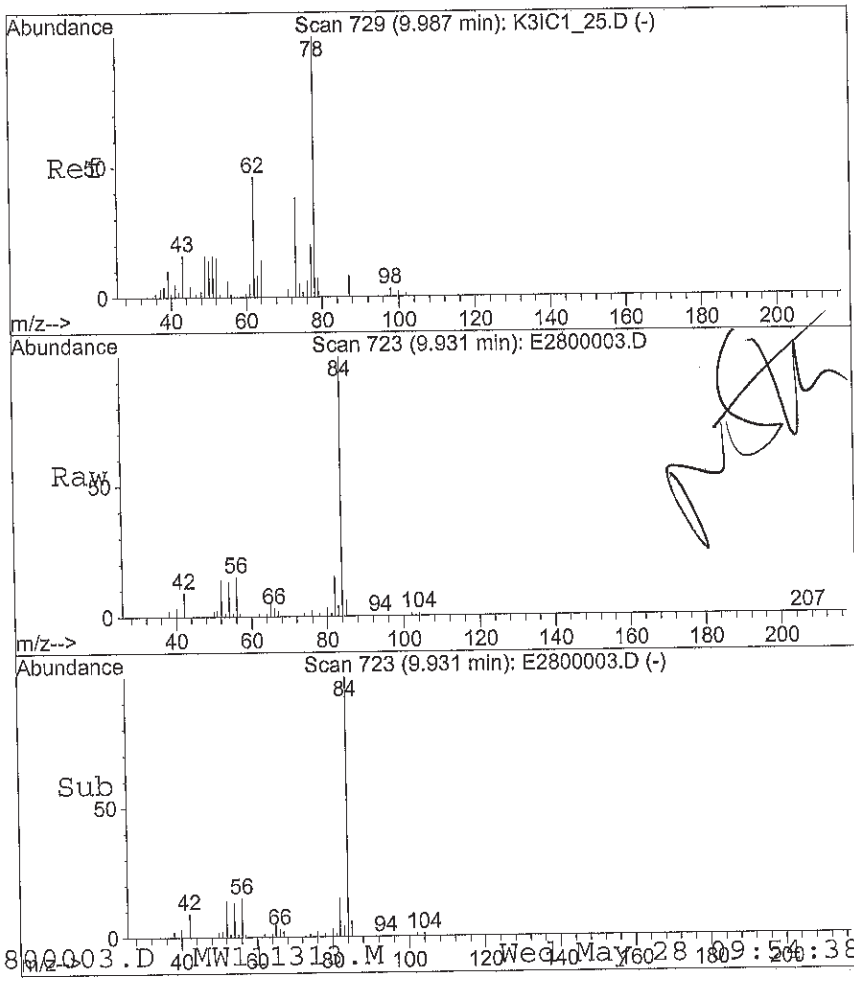


#31
Benzene
Concen: 0.03 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 78 Resp: 539

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

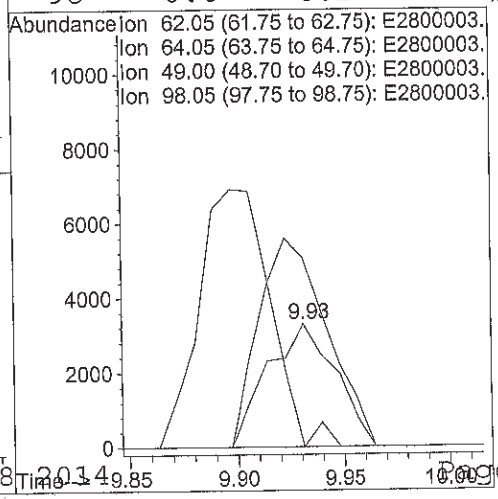


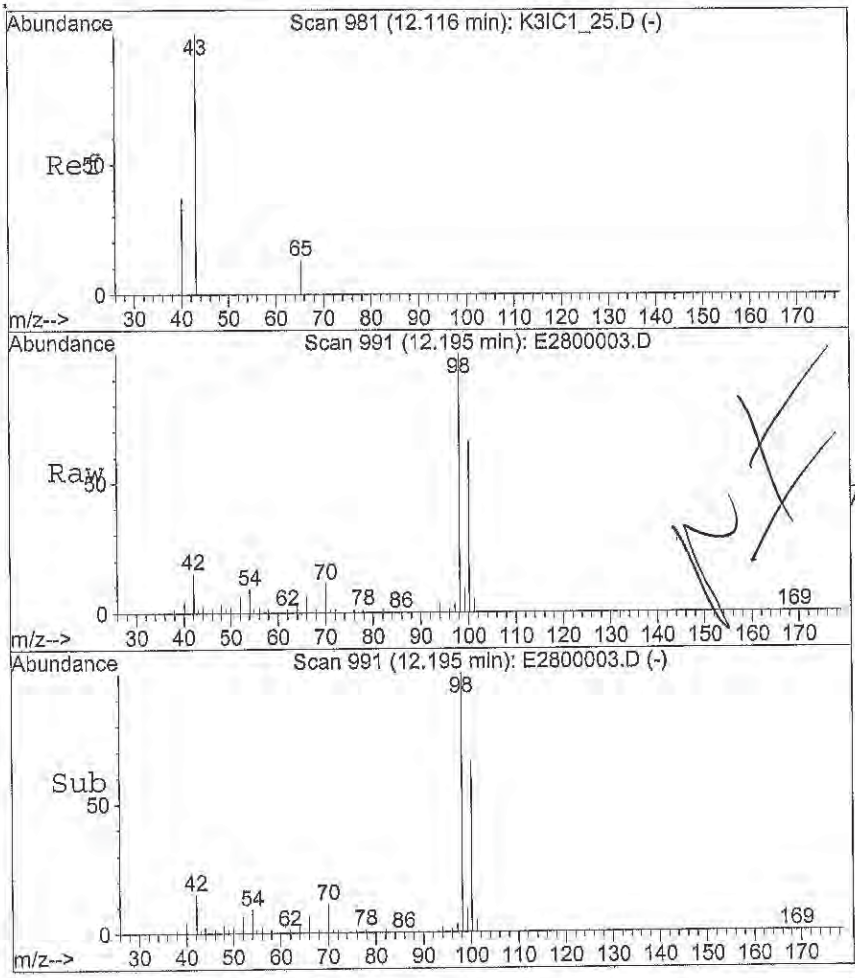


#32
1,2-Dichloroethane
Concen: 1.33 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.06 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 62 Resp: 7312

Ion	Ratio	Lower	Upper
62	100		
64	170.1	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

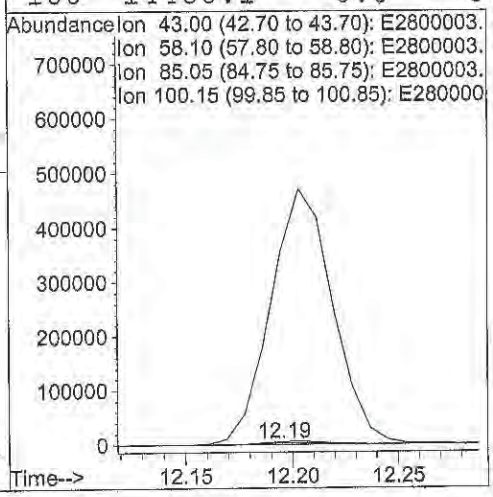


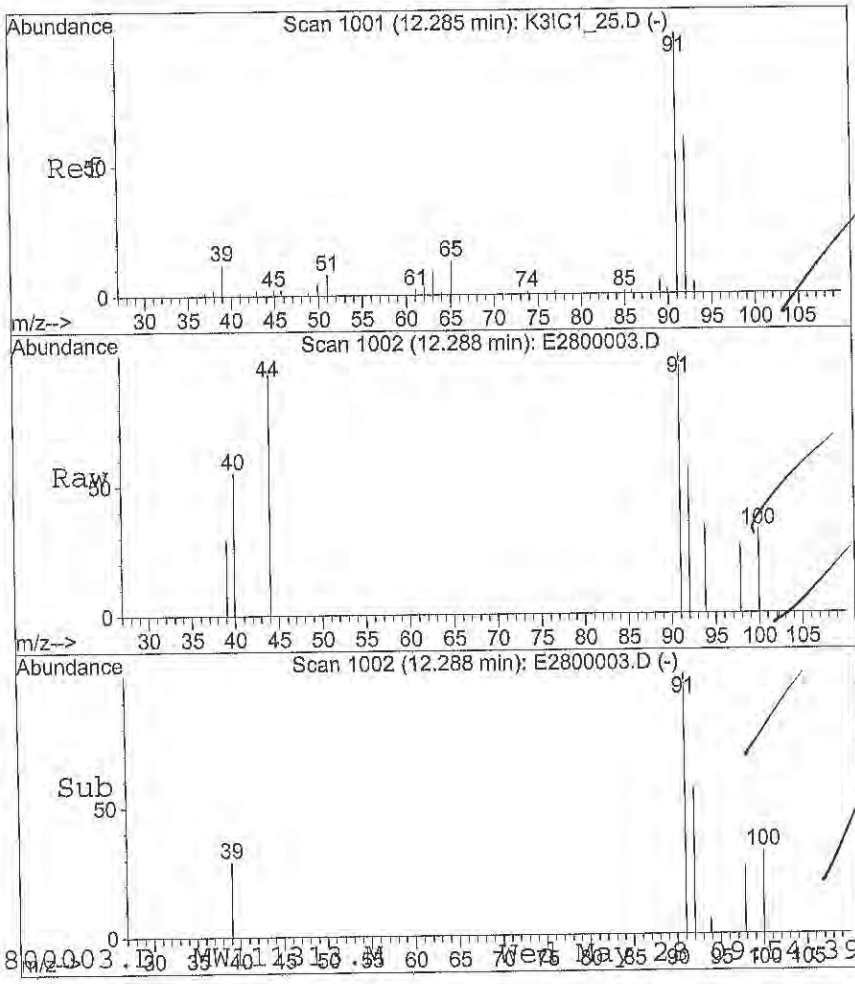


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.60 ug/L
RT: 12.19 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 43 Resp: 6600

Ion	Ratio	Lower	Upper
43	100		
58	166.0	0.0	0.0#
85	0.0	0.0	0.0
100	14460.1	0.0	0.0#

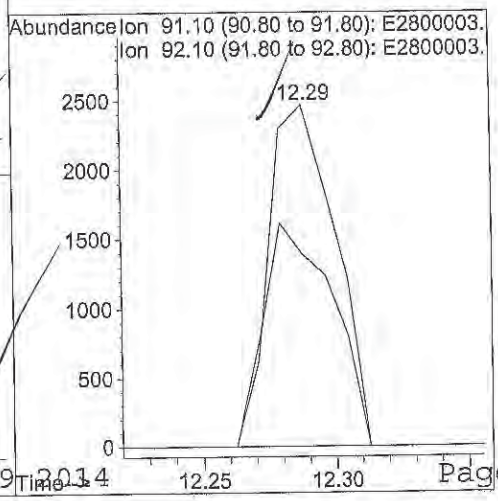


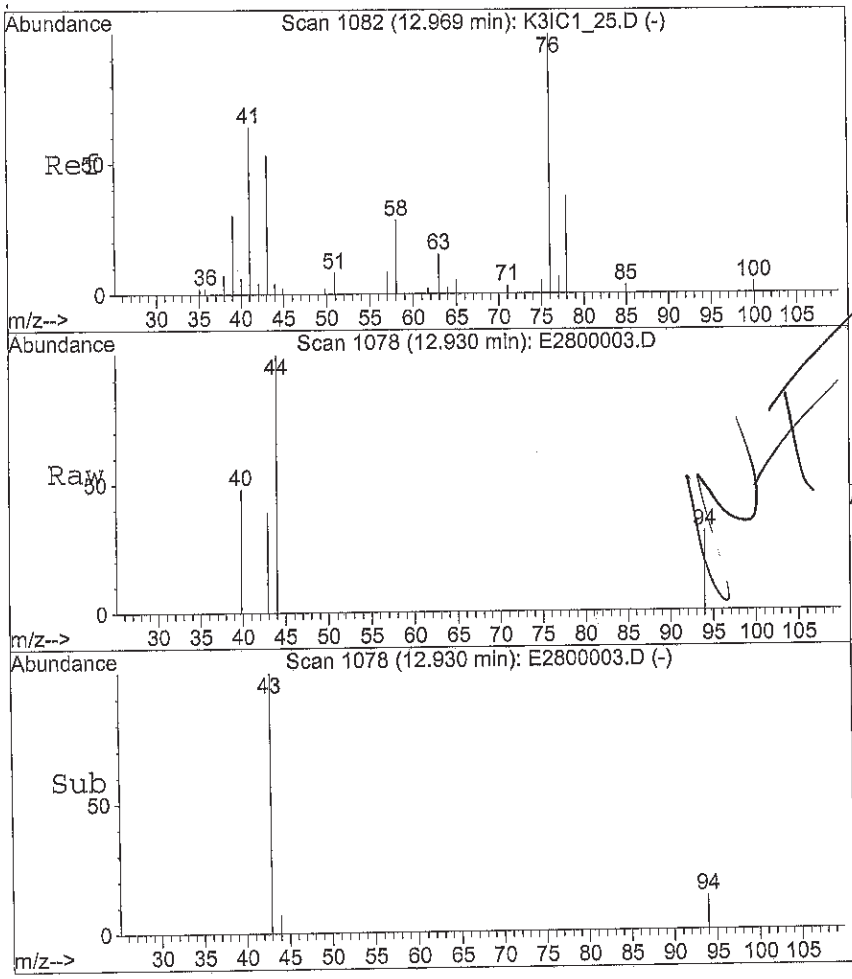


#41
Toluene
Concen: 0.25 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 91 Resp: 4279

Ion	Ratio	Lower	Upper
91	100		
92	68.3	47.4	71.0

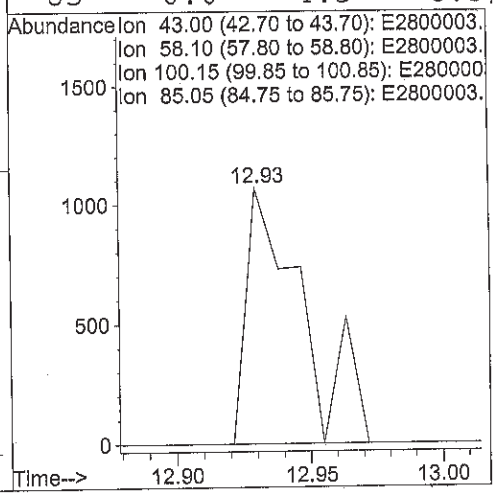


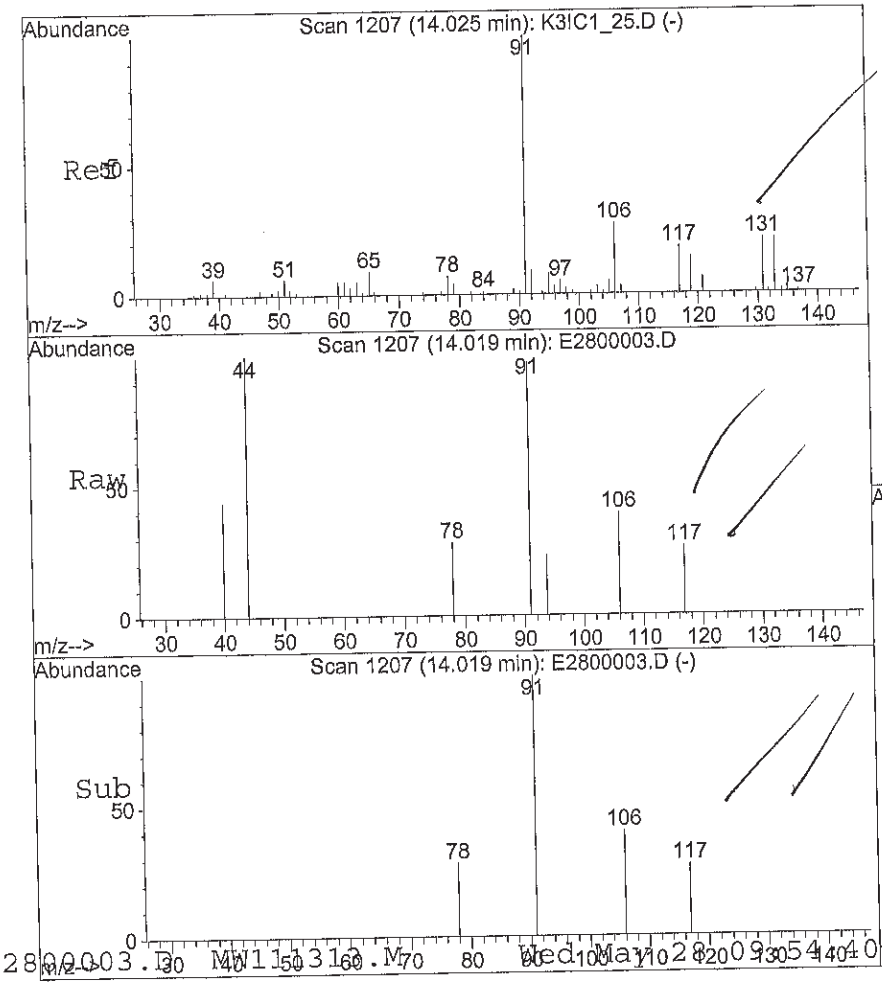


#46
2-Hexanone
Concen: 0.56 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.04 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 43 Resp: 1553

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

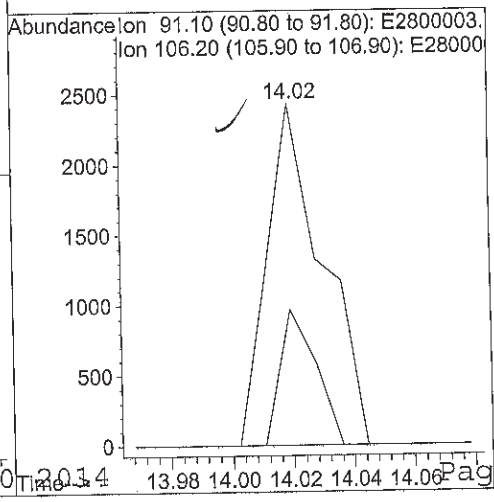


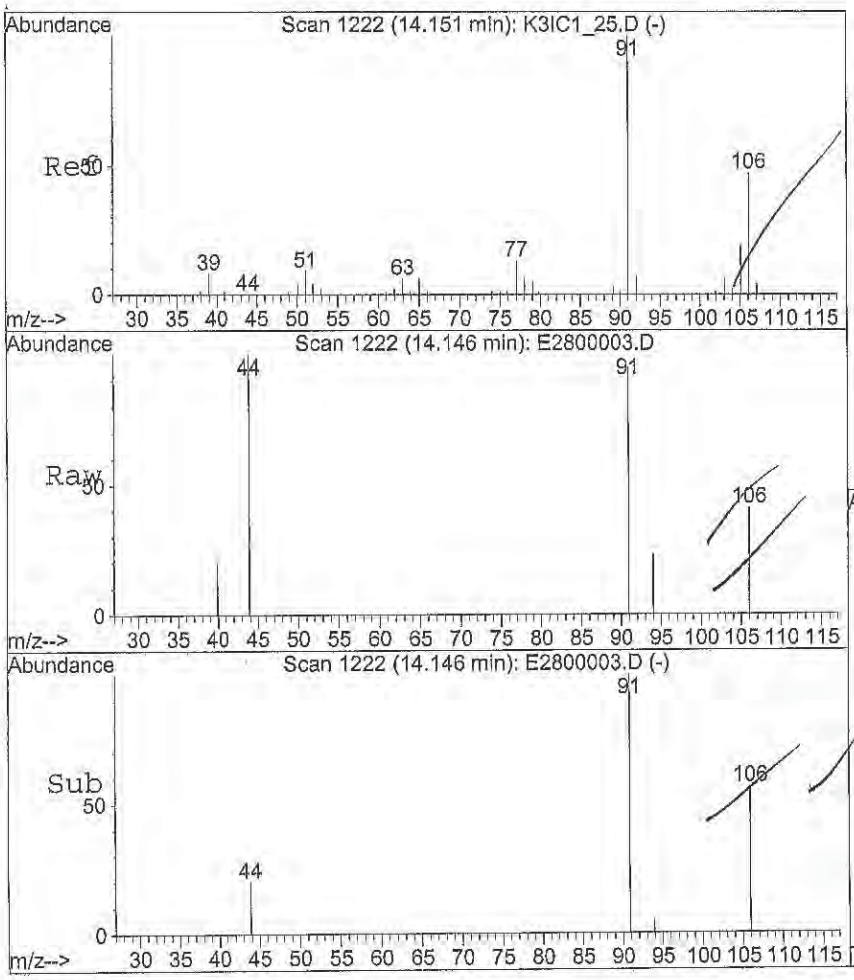


#51
Ethylbenzene
Concen: 0.16 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 91 Resp: 3080

Ion	Ratio	Lower	Upper
91	100		
106	25.5	23.5	35.3

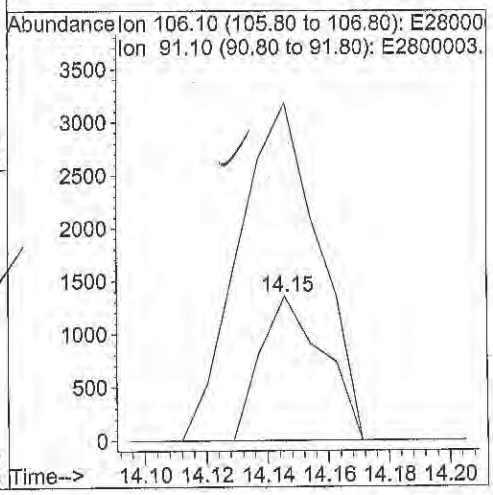


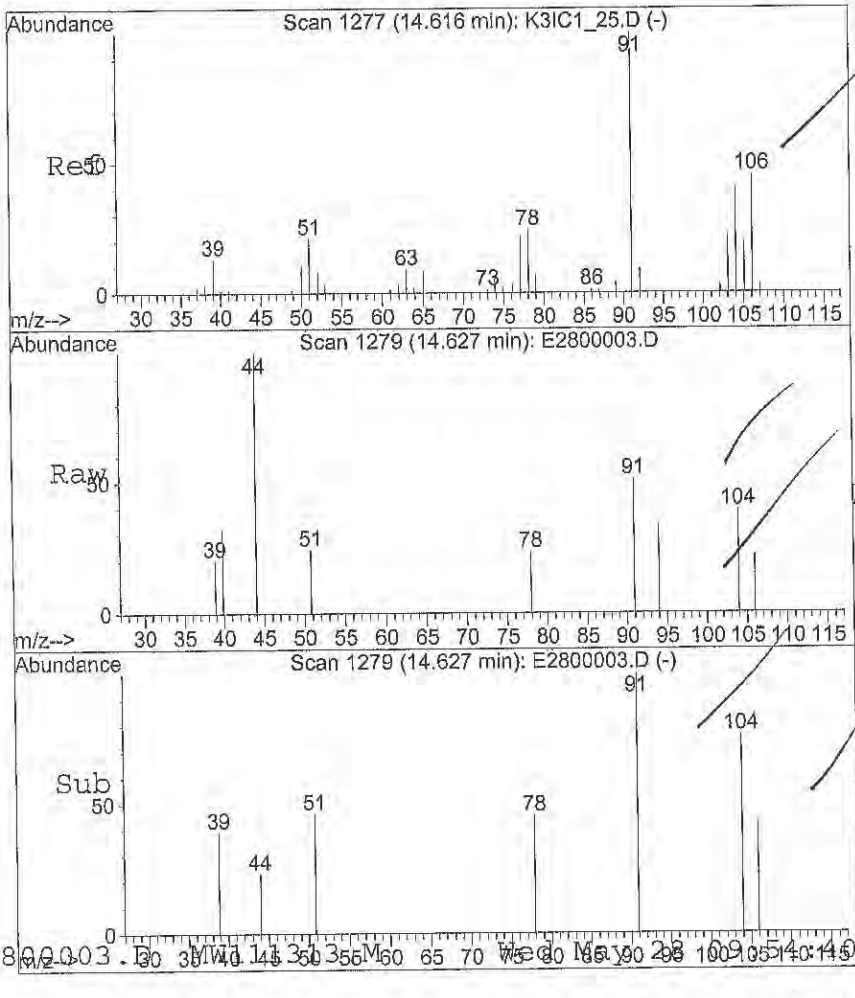


#52
m,p-Xylenes
Concen: 0.28 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:106 Resp: 1929

Ion	Ratio	Lower	Upper
106	100		
91	301.0	177.1	265.7#

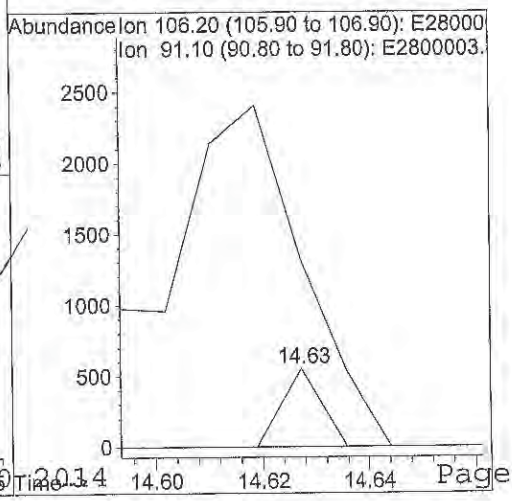


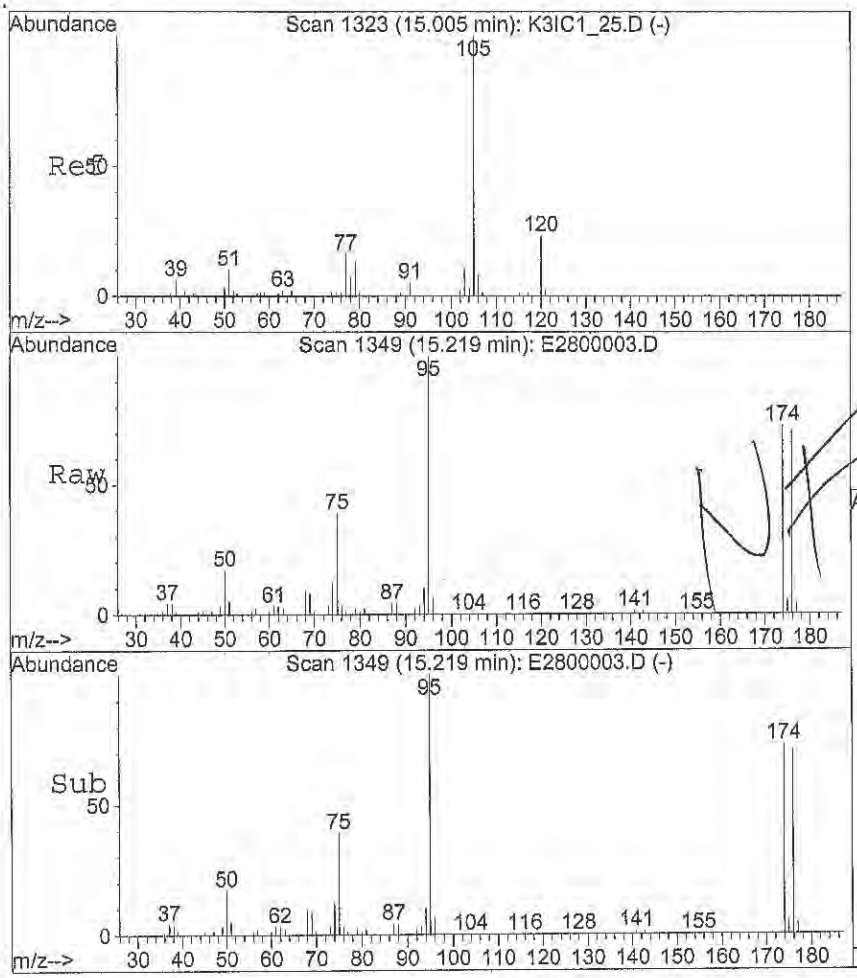


#53
o-Xylene
Concen: 0.04 ug/L
RT: 14.63 min Scan# 1279
Delta R.T. 0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:106 Resp: 280

Ion	Ratio	Lower	Upper
106	100		
91	1509.3	179.0	268.6#

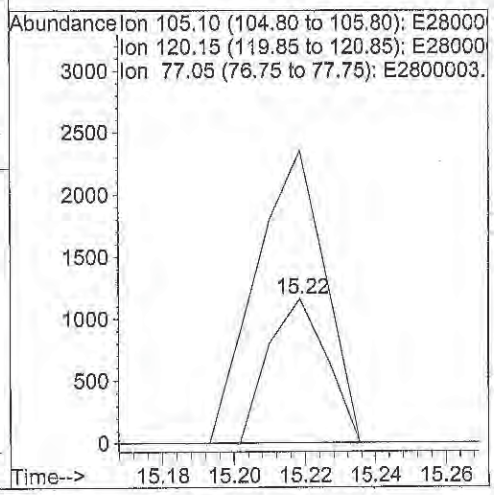


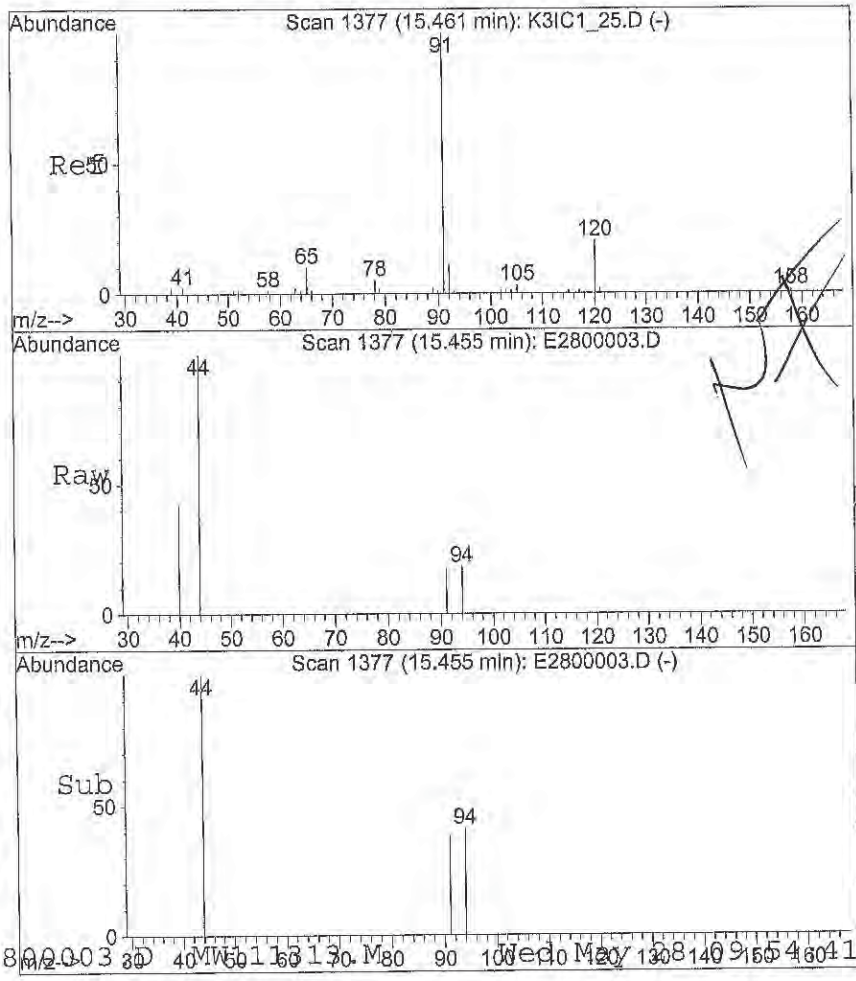


#56
Isopropylbenzene
Concen: 0.07 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:105 Resp: 1317

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	240.2	13.1	19.7#

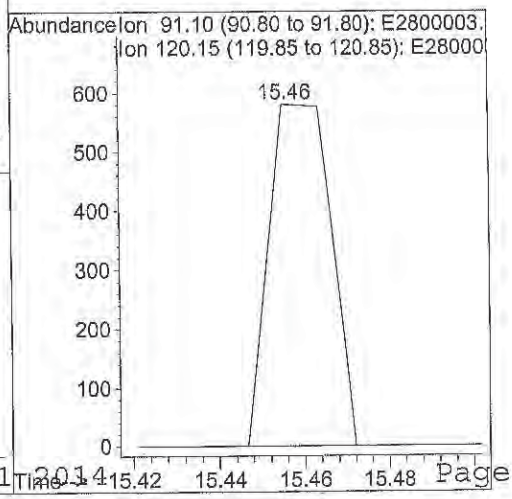


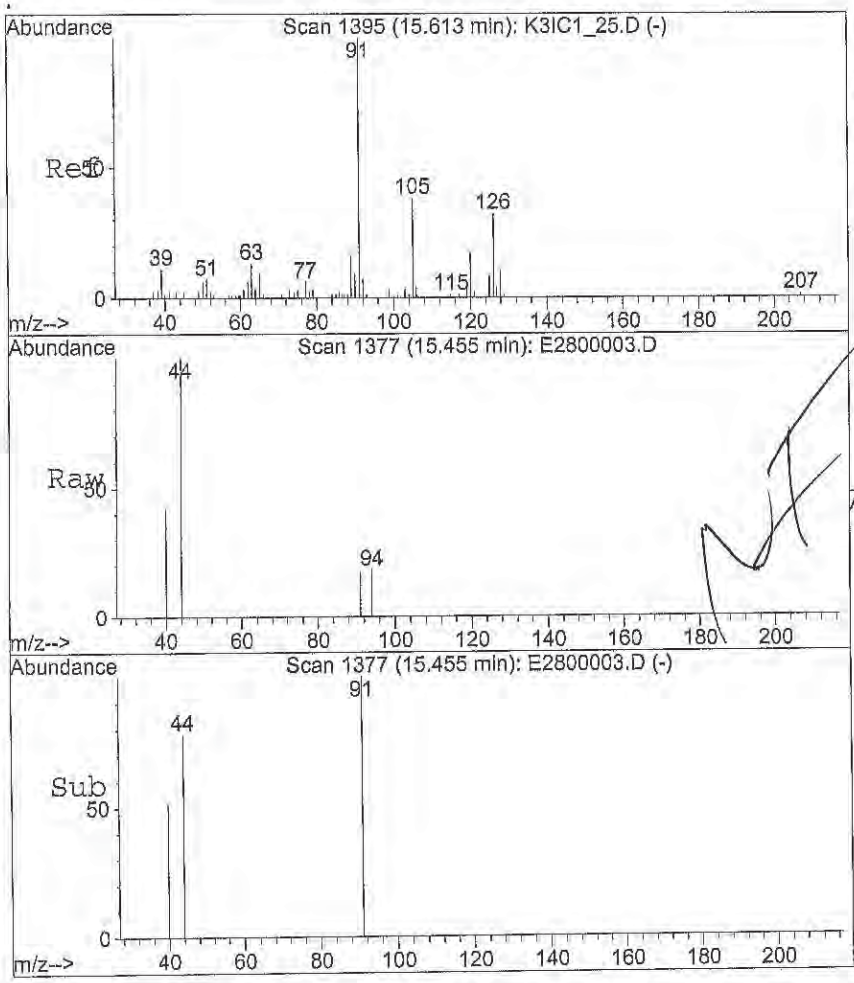


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 91 Resp: 587

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

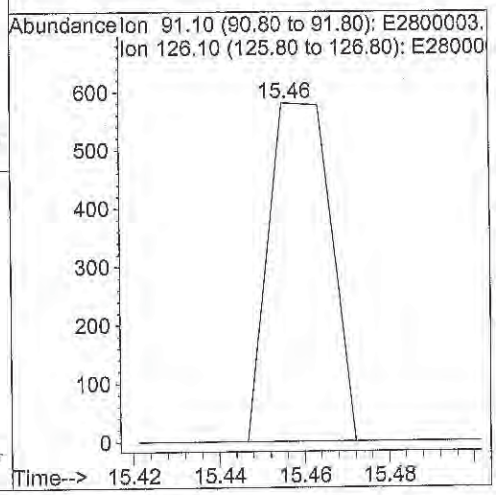


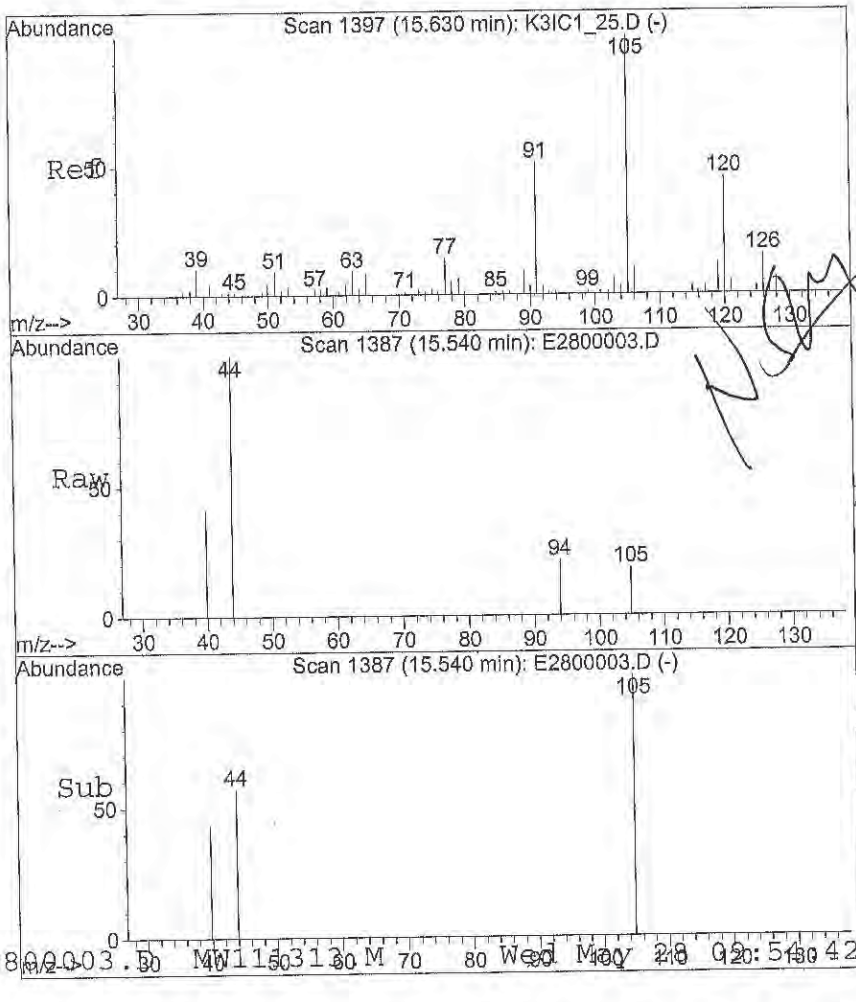


#63
2-Chlorotoluene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.16 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 91 Resp: 587

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

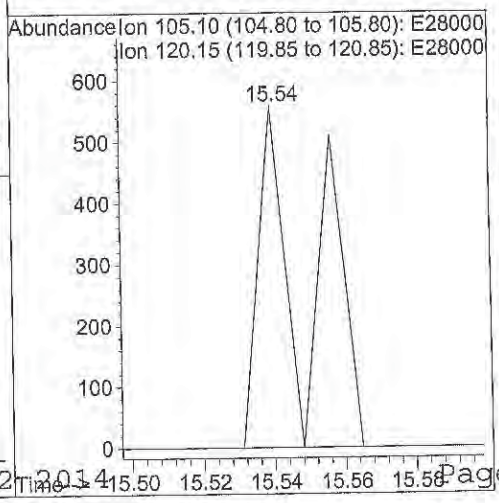


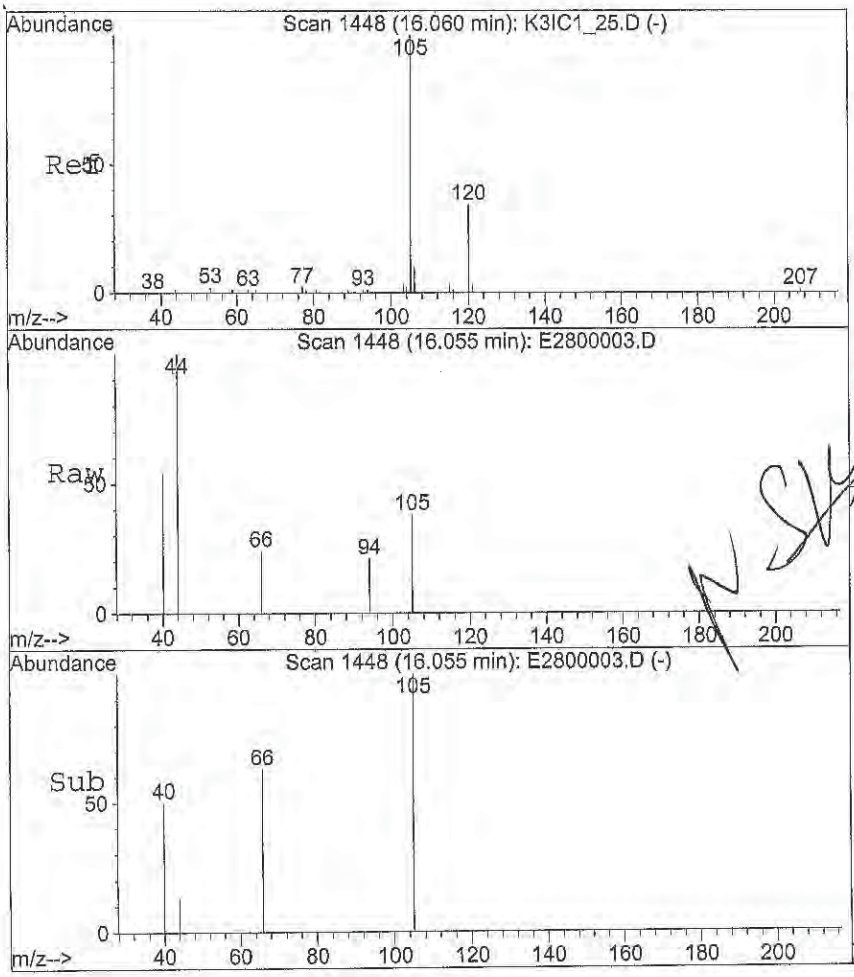


#64
1,3,5-Trimethylbenzene
Concen: 0.03 ug/L
RT: 15.54 min Scan# 1387
Delta R.T. -0.09 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:105 Resp: 541

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

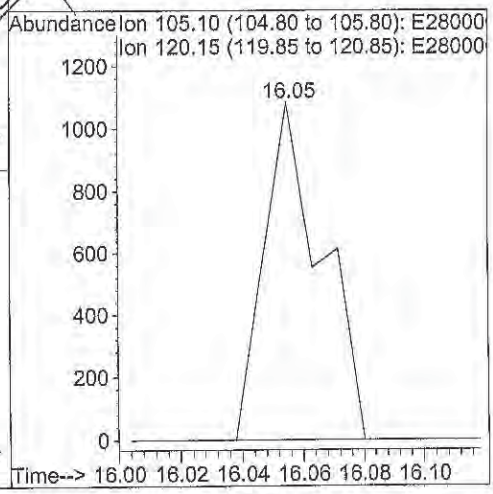


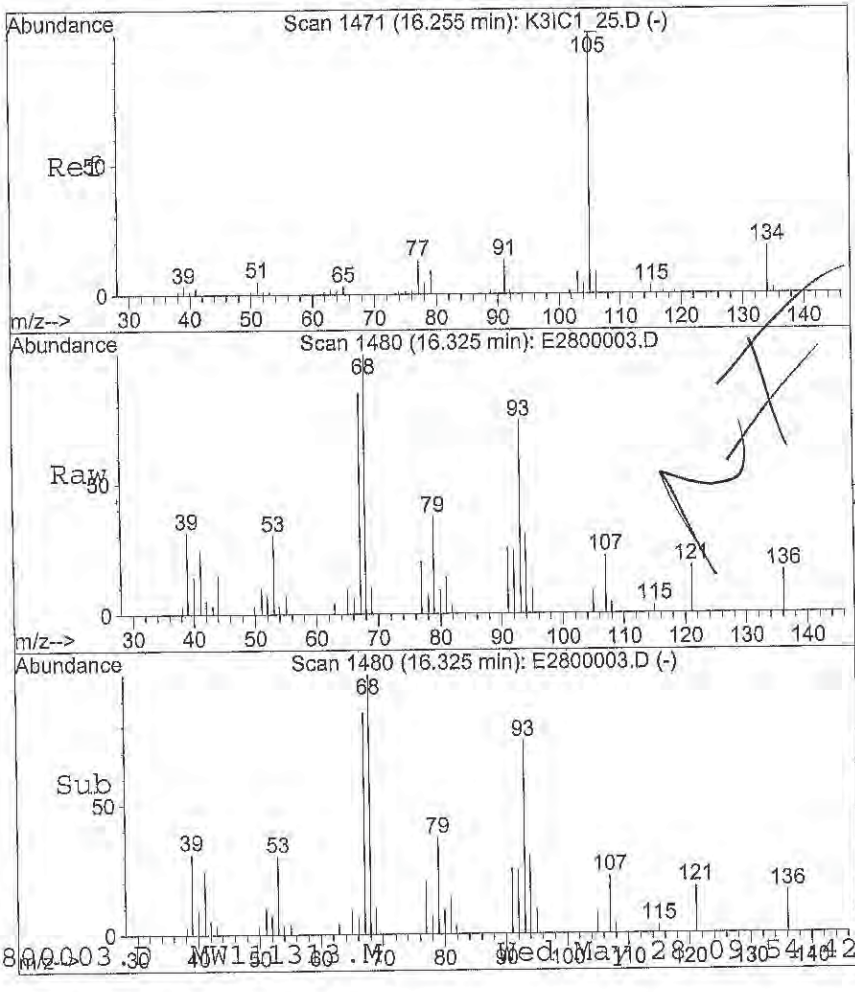


#67
1,2,4-Trimethylbenzene
Concen: 0.08 ug/L
RT: 16.05 min Scan# 1448
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:105 Resp: 1414

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

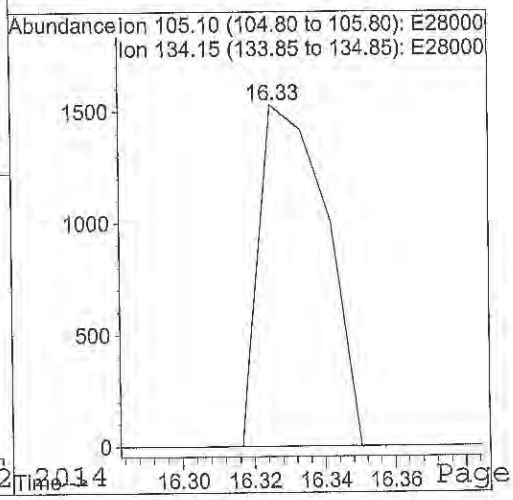


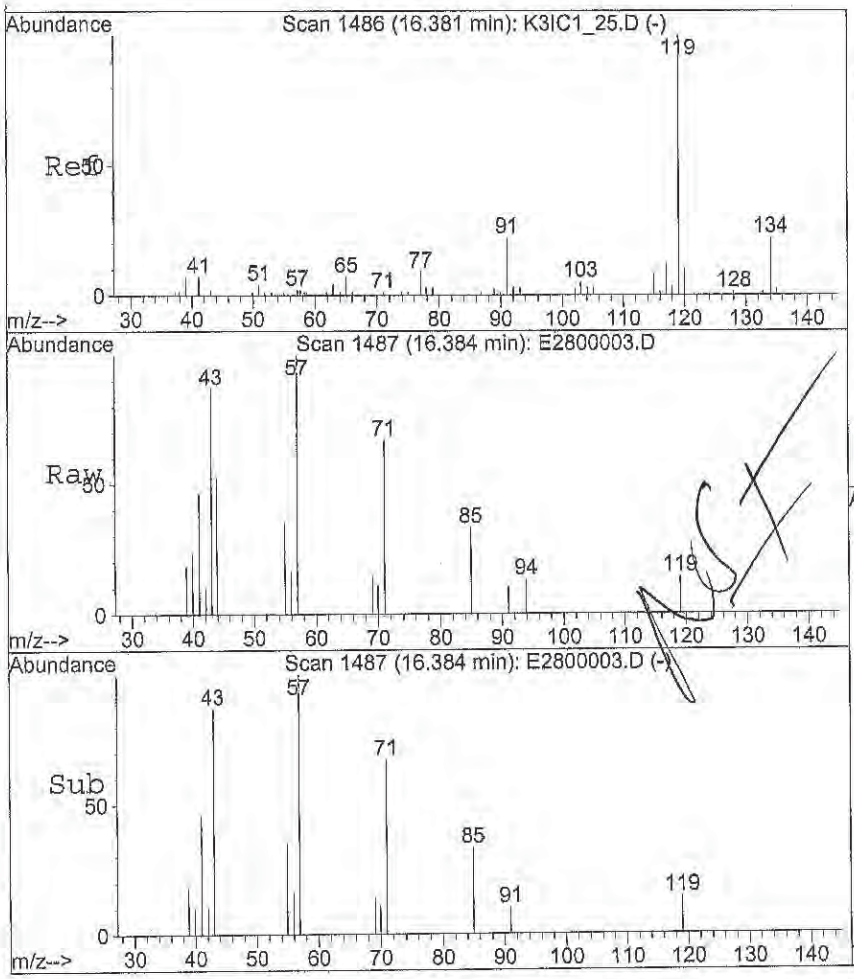


#68
sec-Butylbenzene
Concen: 0.09 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.07 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:105 Resp: 2000

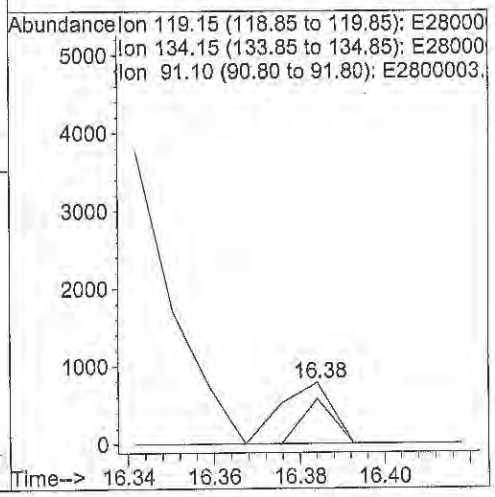
Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

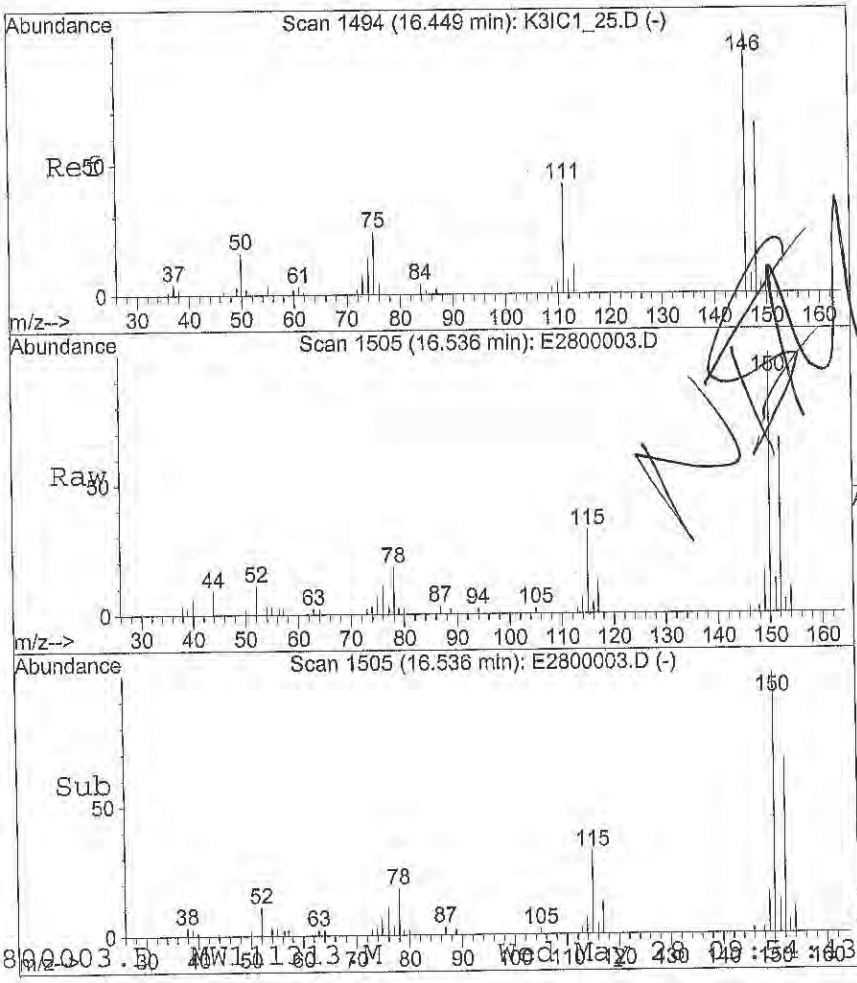




#69
p-Isopropyltoluene
Concen: 0.04 ug/L
RT: 16.38 min Scan# 1487
Delta R.T. 0.00 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

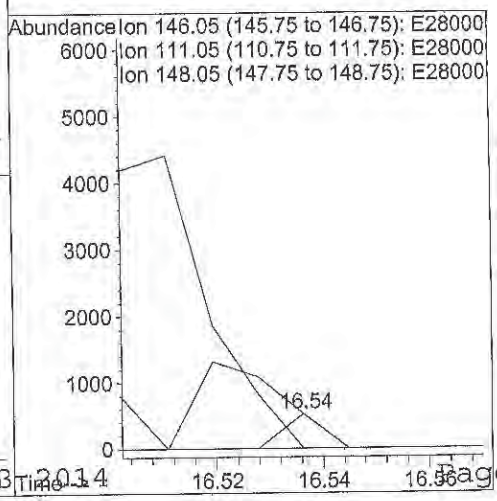
Tgt Ion:119	Resp:	656	
Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

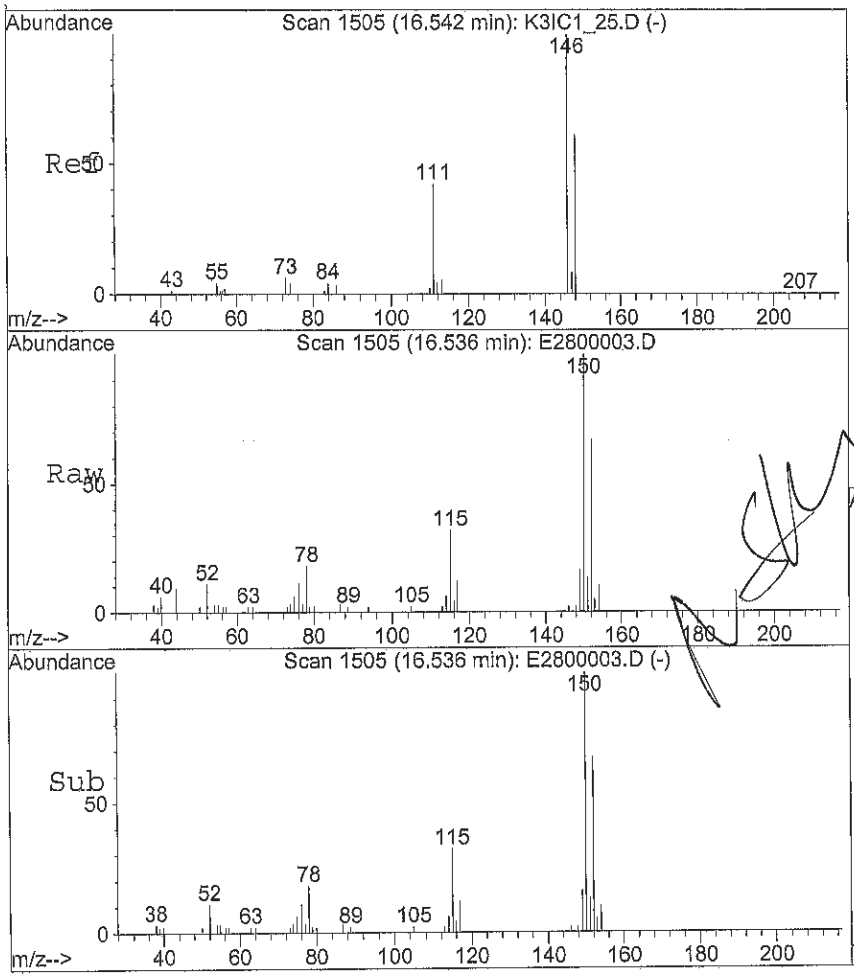




#70
1,3-Dichlorobenzene
Concen: 0.03 ug/L
RT: 16.54 min Scan# 1505
Delta R.T. 0.09 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:146	Resp:	267	
Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.2	51.4#
148	0.0	50.9	76.3#

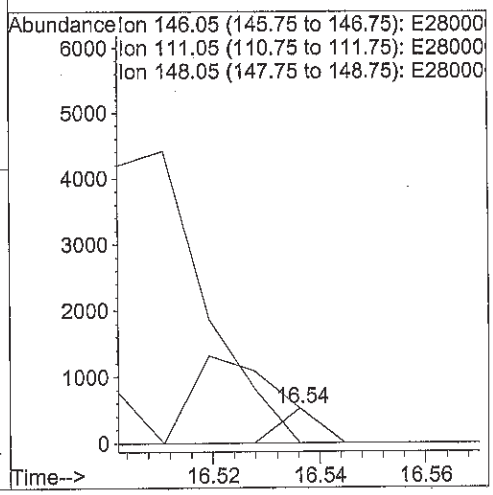


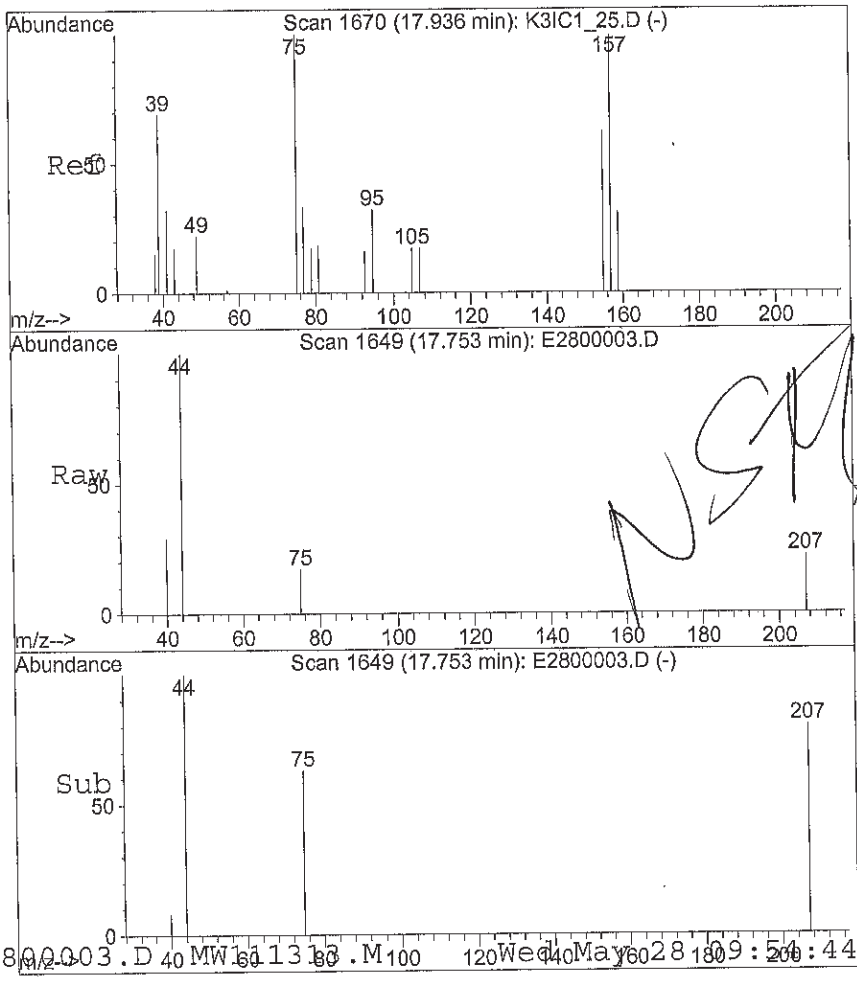


#71
1,4-Dichlorobenzene
Concen: 0.03 ug/L
RT: 16.54 min Scan# 1505
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:146 Resp: 267

Ion	Ratio	Lower	Upper
146	100		
111	0.0	37.6	56.4#
148	0.0	52.6	78.8#

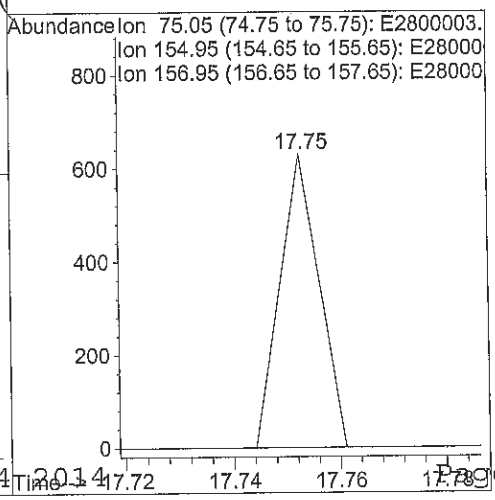


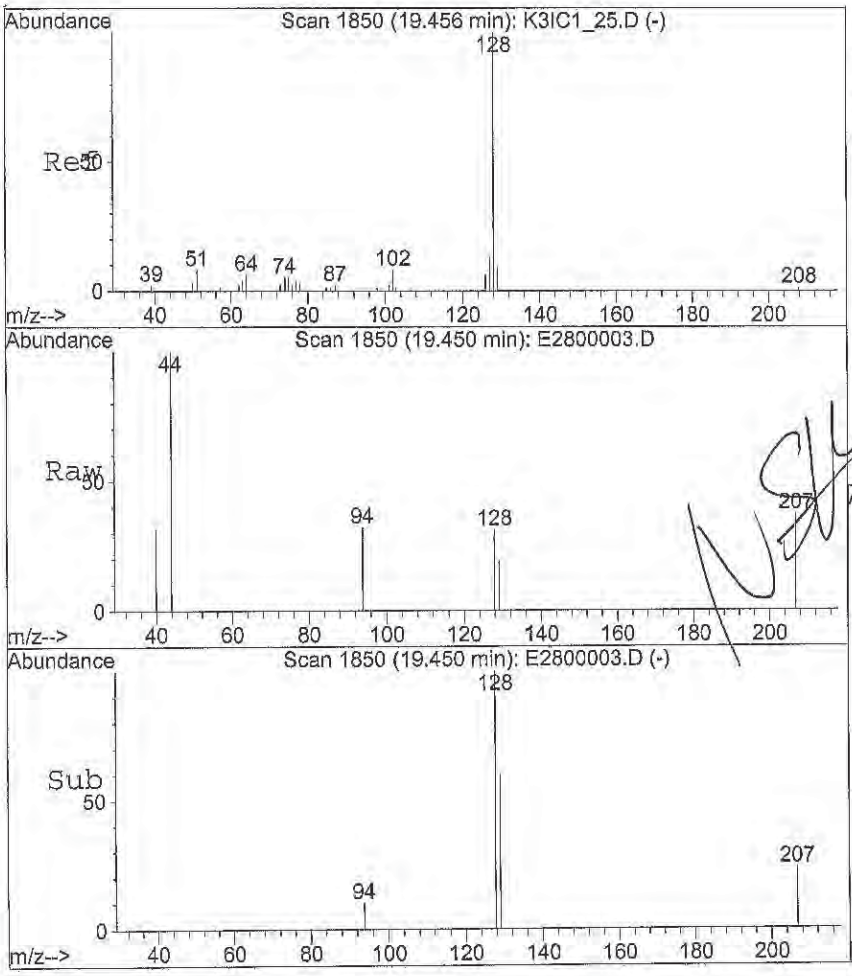


#74
1,2-Dibromo-3-chloropropane
Concen: 1.29 ug/L
RT: 17.75 min Scan# 1649
Delta R.T. -0.18 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion: 75 Resp: 320

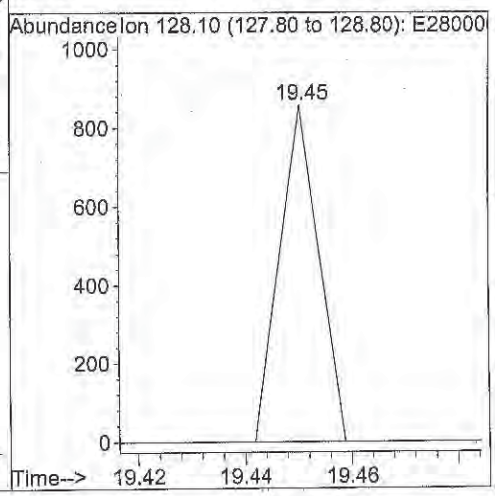
Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#





#77
Naphthalene
Concen: 0.03 ug/L
RT: 19.45 min Scan# 1850
Delta R.T. -0.01 min
Lab File: E2800003.D
Acq: 28 May 2014 9:20 am

Tgt Ion:128 Resp: 436



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800003.D Vial: 2
Acq On : 28 May 2014 9:20 am Operator: DN
Sample : 34E2801-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:54 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1647725	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1270840	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	683800	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	467241	10.90	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.20%			
3) Chloroform-d (SU6)	9.19	84	771632	12.55	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 100.40%			
4) Methylene Chloride-d2 (SU5	7.08	86	444290	12.36	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 98.88%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	459221	15.68	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 125.44%#			
6) Benzene-d6 (SU7)	9.93	84	1476360	11.42	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.36%			
8) Toluene-d8 (SU3)	12.20	98	1428098	11.84	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.72%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	705094	14.17	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 113.36%			

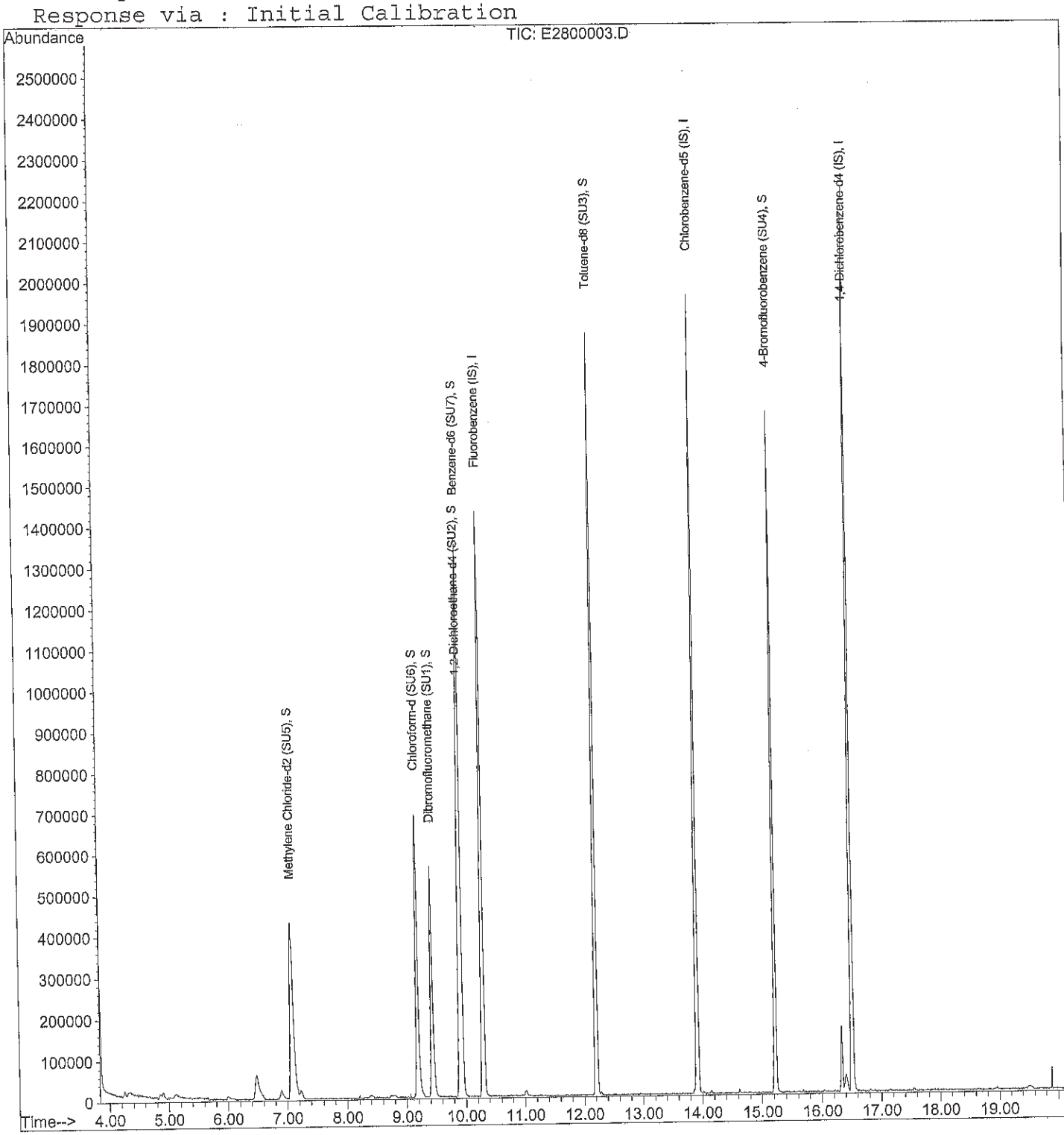
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800003.D Vial: 2
Acq On : 28 May 2014 9:20 am Operator: DN
Sample : 34E2801-DUP1 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:54 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION LABORATORY CONTROL SAMPLES

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28LCS01.D Vial: 10
Acq On : 28 May 2014 6:28 am Operator: DN
Sample : 34E2801-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 7:05 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.30	96	1521673	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1091734	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.52	152	541503	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.45	113	427522	11.26	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.08%			
28) 1,2-Dichloroethane-d4 (SU2	9.91	65	429310	11.90	ug/L	0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.20%			
39) Toluene-d8 (SU3)	12.22	98	1313190	12.90	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 103.20%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	565781	12.67	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 101.36%			
Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.11	85	51531	1.38	ug/L	96
4) Chloromethane	4.45	50	32449	1.15	ug/L	41
5) Vinyl Chloride	4.61	62	38058	1.42	ug/L	81
6) Bromomethane	5.14	96	24975	1.31	ug/L	99
7) Chloroethane	5.28	64	16993	1.43	ug/L	88
8) (F11) Trichlorofluorometha	5.67	101	59206	1.42	ug/L	91
9) (F113) 1,1,2-Trichloro-tri	6.38	151	38237	1.28	ug/L	97
10) 1,1-Dichloroethene	6.45	96	50573	1.41	ug/L	90
11) Acetone	6.46	58	49860	-12.50	ug/L	73
12) (IPA) Leak Check Compound	6.54	45	434841	237.81	ug/L	100
13) Carbon disulfide	6.87	76	144270	1.14	ug/L	100
14) Methylene Chloride	7.12	84	57184	1.37	ug/L	97
15) (TBA) tert-Butanol	7.11	59	9123	3.52	ug/L	96
16) (MTBE) Methyl-t-butyl ethe	7.42	73	121500	1.41	ug/L	97
17) trans-1,2-Dichloroethene	7.49	96	57431	1.40	ug/L	96
18) 1,1-Dichloroethane	8.08	63	80543	1.18	ug/L	98
19) cis-1,2-Dichloroethene	8.85	96	56496	1.19	ug/L	93
20) 2,2-Dichloropropane	8.84	77	673	0.01	ug/L #	1
21) (MEK) 2-Butanone	8.80	72	11356	2.65	ug/L #	52
22) (DIPE) Diisopropyl Ether	8.02	45	163308	1.37	ug/L	98
23) Bromochloromethane	9.18	128	23745	1.17	ug/L #	84
24) Chloroform	9.23	83	98332	1.23	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28LCS01.D Vial: 10
Acq On : 28 May 2014 6:28 am Operator: DN
Sample : 34E2801-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 7:05 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) (ETBE) 2-ethoxy 2-methyl p	8.51	59	114728	1.04 ug/L #	99
26) 1,1,1-Trichloroethane	9.51	97	72777	1.16 ug/L	95
27) (TAME) tert-Amyl methyl et	10.01	73	103114	1.08 ug/L	95
29) 1,1-Dichloropropene	9.70	75	70687	1.20 ug/L	97
30) Carbon Tetrachloride	13.90	117	58555	1.14 ug/L	97
31) Benzene	9.99	78	181411	1.27 ug/L	96
32) 1,2-Dichloroethane	10.00	62	58990	1.16 ug/L	95
33) Trichloroethene	10.75	130	58787	1.27 ug/L	98
34) 1,2-Dichloropropane	11.06	63	45156	1.32 ug/L #	79
35) Dibromomethane	11.22	93	36426	1.36 ug/L	98
36) Bromodichloromethane	11.36	83	61039	1.13 ug/L	95
37) cis-1,3-Dichloropropene	11.88	75	58023	0.99 ug/L	94
40) (MIBK) 4-Methyl-2-Pentanon	12.12	43	25643	1.18 ug/L #	100
41) Toluene	12.29	91	194649	1.31 ug/L	99
42) trans-1,3-Dichloropropene	12.52	75	45472	0.93 ug/L #	76
43) 1,1,2-Trichloroethane	12.76	83	37347	1.39 ug/L #	87
44) Tetrachloroethene	12.94	164	60650	1.16 ug/L	95
45) 1,3-Dichloropropane	12.97	76	65111	1.27 ug/L	100
46) 2-Hexanone	12.98	43	66688	2.79 ug/L #	96
47) Dibromochloromethane	13.26	129	49025	1.28 ug/L #	100
48) 1,2-Dibromoethane	13.43	107	50983	1.47 ug/L	97
49) Chlorobenzene	13.97	112	137573	1.37 ug/L	98
50) 1,1,1,2-Tetrachloroethane	14.03	131	44494	1.25 ug/L	94
51) Ethylbenzene	14.03	91	223863	1.32 ug/L	99
52) m,p-Xylenes	14.15	106	163234	2.71 ug/L	98
53) o-Xylene	14.62	106	77130	1.30 ug/L	95
54) Styrene	14.63	104	129033	1.50 ug/L	97
55) Bromoform	14.92	173	33864	1.56 ug/L	96
56) Isopropylbenzene	15.01	105	216011	1.33 ug/L	100
57) 1,2,3-Trichloropropane	15.43	75	78760	1.77 ug/L #	1
60) 1,1,2,2-Tetrachloroethane	15.34	83	68427	1.75 ug/L	94
61) Bromobenzene	15.44	156	57443	1.35 ug/L	93
62) n-Propylbenzene	15.47	91	277436	1.27 ug/L	99
63) 2-Chlorotoluene	15.62	91	182660	1.36 ug/L	98
64) 1,3,5-Trimethylbenzene	15.63	105	178725	1.32 ug/L	99
65) 4-Chlorotoluene	15.73	91	177020	1.42 ug/L	99
66) tert-Butylbenzene	16.02	119	146106	1.27 ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E28LCS01.D Vial: 10
Acq On : 28 May 2014 6:28 am Operator: DN
Sample : 34E2801-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 7:05 19114 Quant Results File: MW111313.RES

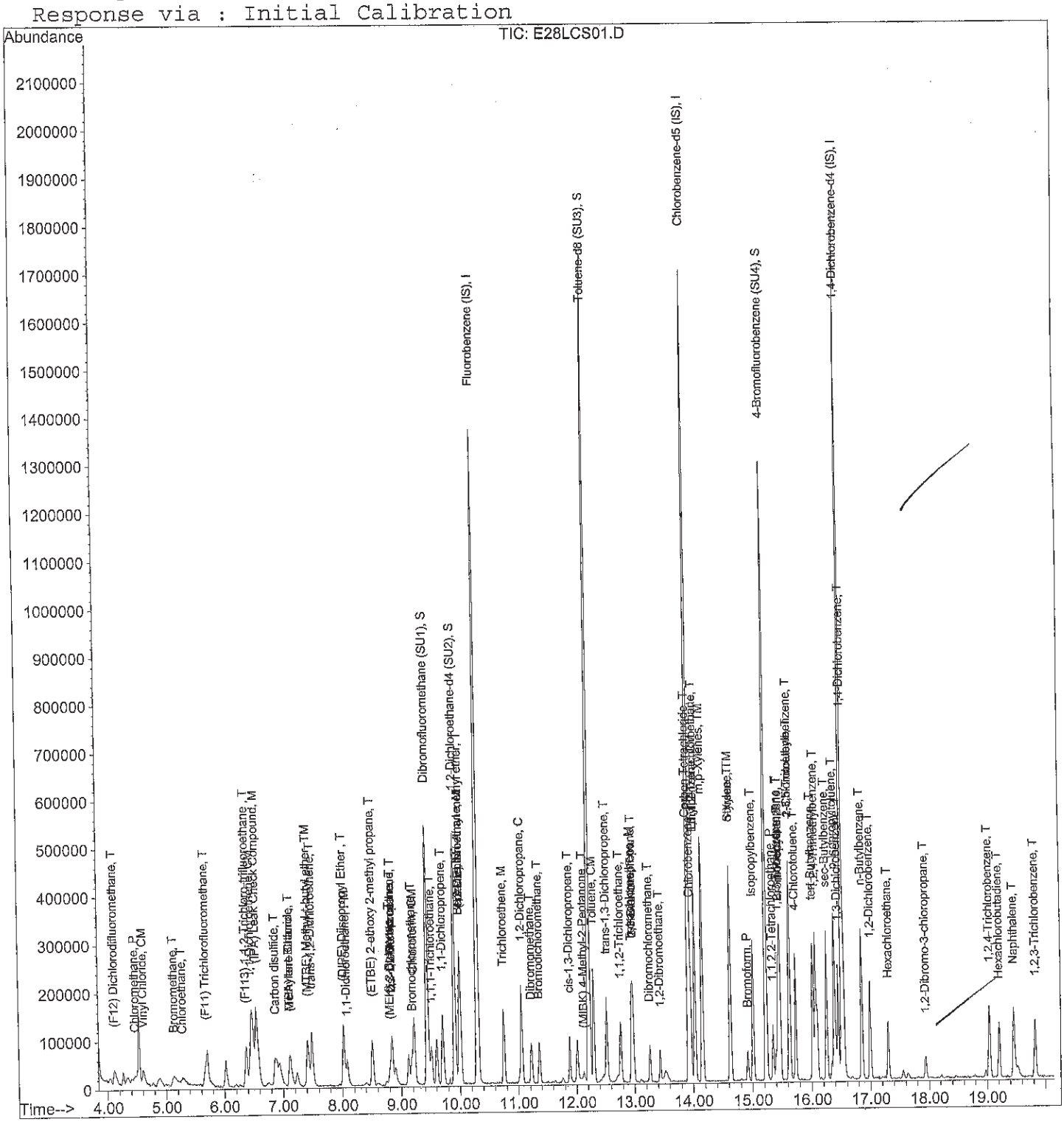
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,4-Trimethylbenzene	16.07	105	194221	1.38 ug/L	98
68)	sec-Butylbenzene	16.25	105	249450	1.37 ug/L	96
69)	p-Isopropyltoluene	16.39	119	185276	1.25 ug/L	93
70)	1,3-Dichlorobenzene	16.45	146	108377	1.35 ug/L	98
71)	1,4-Dichlorobenzene	16.54	146	105481	1.32 ug/L	98
72)	n-Butylbenzene	16.85	91	207803	1.34 ug/L	98
73)	1,2-Dichlorobenzene	17.00	146	99955	1.40 ug/L	98
74)	1,2-Dibromo-3-chloropropan	17.94	75	14914	2.43 ug/L #	81
75)	1,2,4-Trichlorobenzene	19.04	180	64610	1.34 ug/L	97
76)	Hexachlorobutadiene	19.21	225	28036	1.29 ug/L	95
77)	Naphthalene	19.46	128	169799	1.59 ug/L	100
78)	Hexachloroethane	17.30	201	19328	1.23 ug/L	91
79)	1,2,3-Trichlorobenzene	19.83	180	57578	1.26 ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E28LCS01.D Vial: 10
Acq On : 28 May 2014 6:28 am Operator: DN
Sample : 34E2801-BS1 Inst : GC/MS Ins
Misc : 20cc 1.25/2.5/12.5 ug/L LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 28 7:05 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration



RAW DATA FOR QC SAMPLES AND INITIAL CALIBRATION BLANK

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28BLK01.D Vial: 11
Acq On : 28 May 2014 7:43 am Operator: DN
Sample : 34E2801-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 8:13 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1886088	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.92	117	1421471	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.50	152	727836	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	523637	11.13	ug/L	0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.04%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	519676	11.62	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.96%			
39) Toluene-d8 (SU3)	12.20	98	1619271	12.21	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.68%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	780429	13.42	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 107.36%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	4477	0.19	~~ug/L~~ #	63
6) Bromomethane	5.14	96	4630	0.45	~~ug/L~~	90
7) Chloroethane	5.47	64	779	1.18	~~ug/L~~	89
11) Acetone	6.47	58	6791	4.29	~~ug/L~~	79
12) (IPA) Leak Check Compound	6.49	45	79782	352.02	~~ug/L~~ #	84
14) Methylene Chloride	7.08	84	6757	1.30	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.90	59	613	1.91	ug/L #	77
24) Chloroform	9.21	83	11505	1.16	ug/L #	18
31) Benzene	9.98	78	1971	0.11	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.92	62	6880	1.10	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	8470	2.99	~~ug/L~~ #	100
41) Toluene	12.29	91	12619	0.65	ug/L	86
46) 2-Hexanone	12.97	43	627	0.20	~~ug/L~~ #	37
51) Ethylbenzene	14.15	91	4274	0.19	~~ug/L~~	96
52) m,p-Xylenes	14.14	106	1580	0.20	ug/L #	70
53) o-Xylene	14.62	106	455	0.06	ug/L #	71
54) Styrene	14.62	104	1816	-0.71	~~ug/L~~ #	61
56) Isopropylbenzene	15.22	105	1840	0.09	~~ug/L~~ #	1
62) n-Propylbenzene	15.46	91	902	0.03	~~ug/L~~ #	56
63) 2-Chlorotoluene	15.62	91	283	0.02	~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.54	105	623	0.03	~~ug/L~~ #	31
65) 4-Chlorotoluene	15.62	91	283	0.02	~~ug/L~~ #	44

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28BLK01.D Vial: 11
Acq On : 28 May 2014 7:43 am Operator: DN
Sample : 34E2801-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 8:13 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67) 1,2,4-Trimethylbenzene	16.06	105	3223	0.17	ug/L	92
68) sec-Butylbenzene	16.25	105	317	0.01	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	5081	0.26	~~ug/L~~ #	67
77) Naphthalene	19.44	128	813	0.06	~~ug/L~~	100

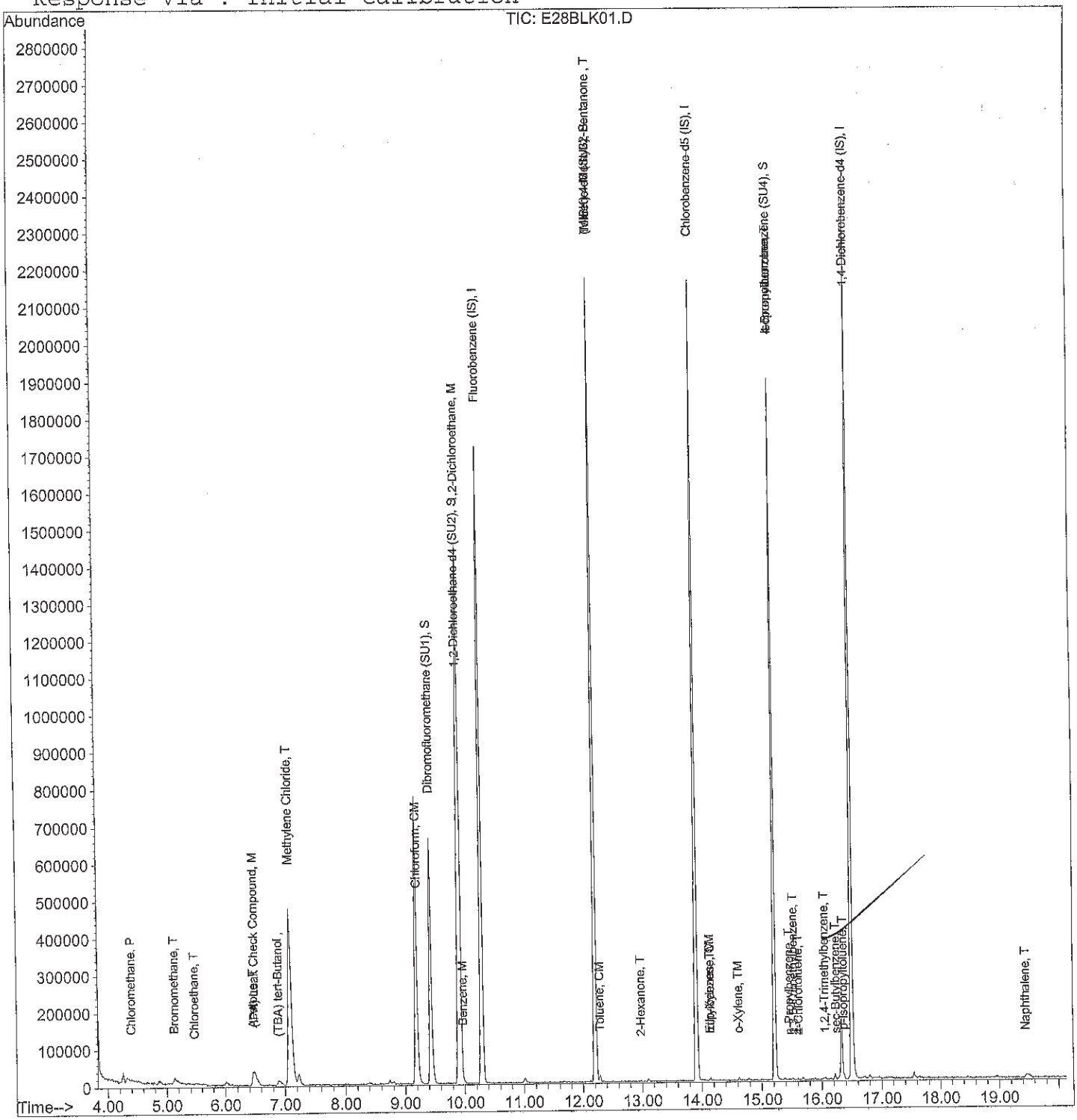
0.0034 # JM

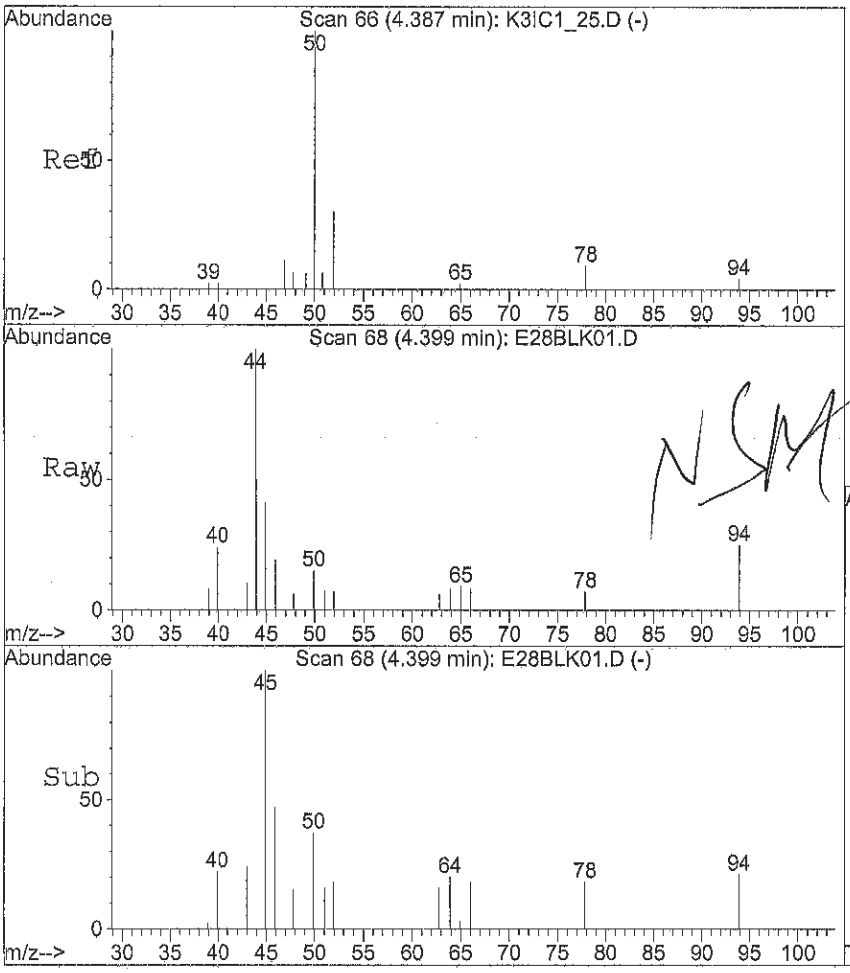
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28BLK01.D Vial: 11
Acq On : 28 May 2014 7:43 am Operator: DN
Sample : 34E2801-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 8:13 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

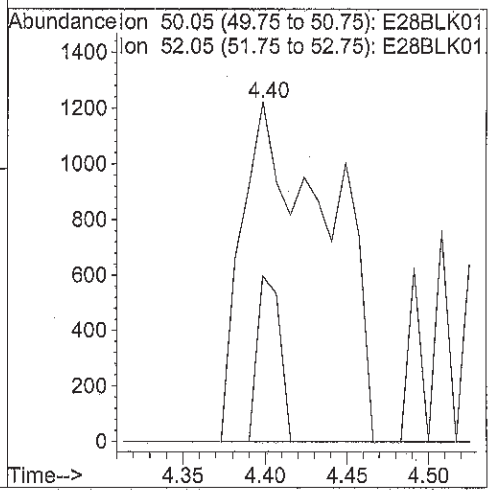


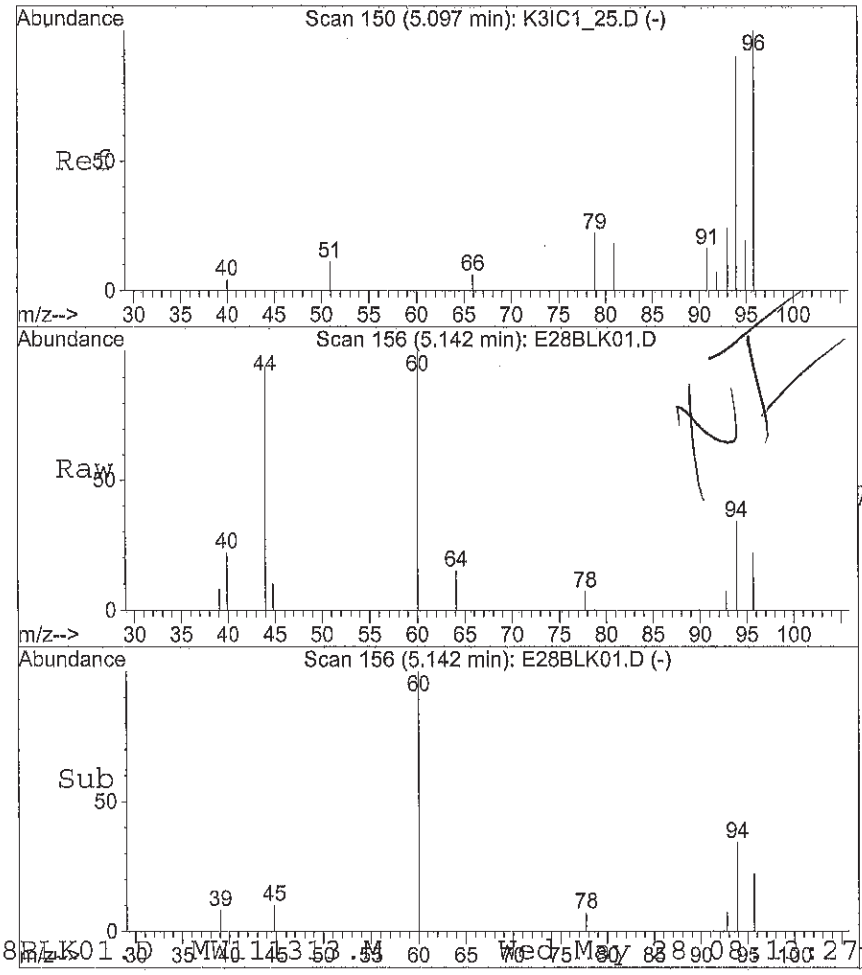


#4
Chloromethane
Concen: 0.19 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 50 Resp: 4477

Ion	Ratio	Lower	Upper
50	100		
52	12.8	26.9	40.3#

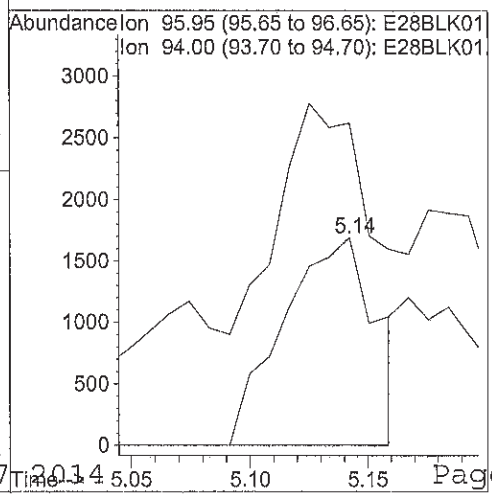


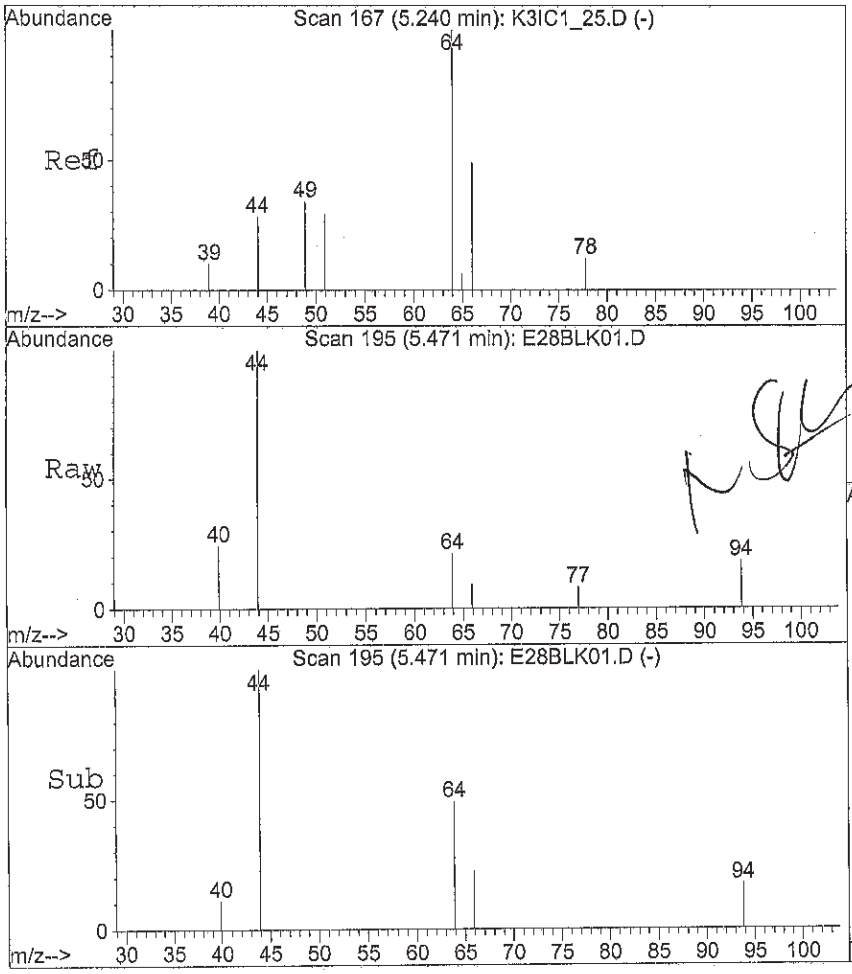


#6
Bromomethane
Concen: 0.45 ug/L
RT: 5.14 min Scan# 156
Delta R.T. 0.05 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 96 Resp: 4630

Ion	Ratio	Lower	Upper
96	100		
94	115.0	101.0	151.4

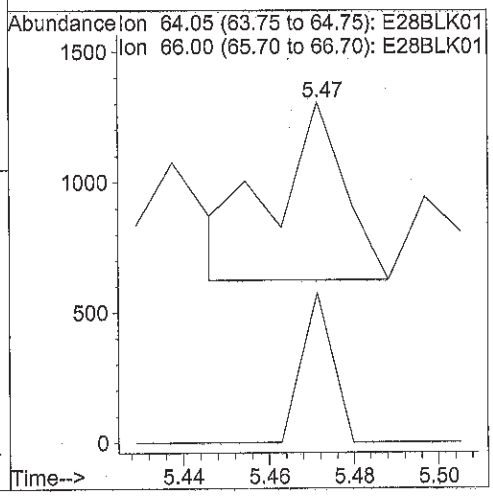


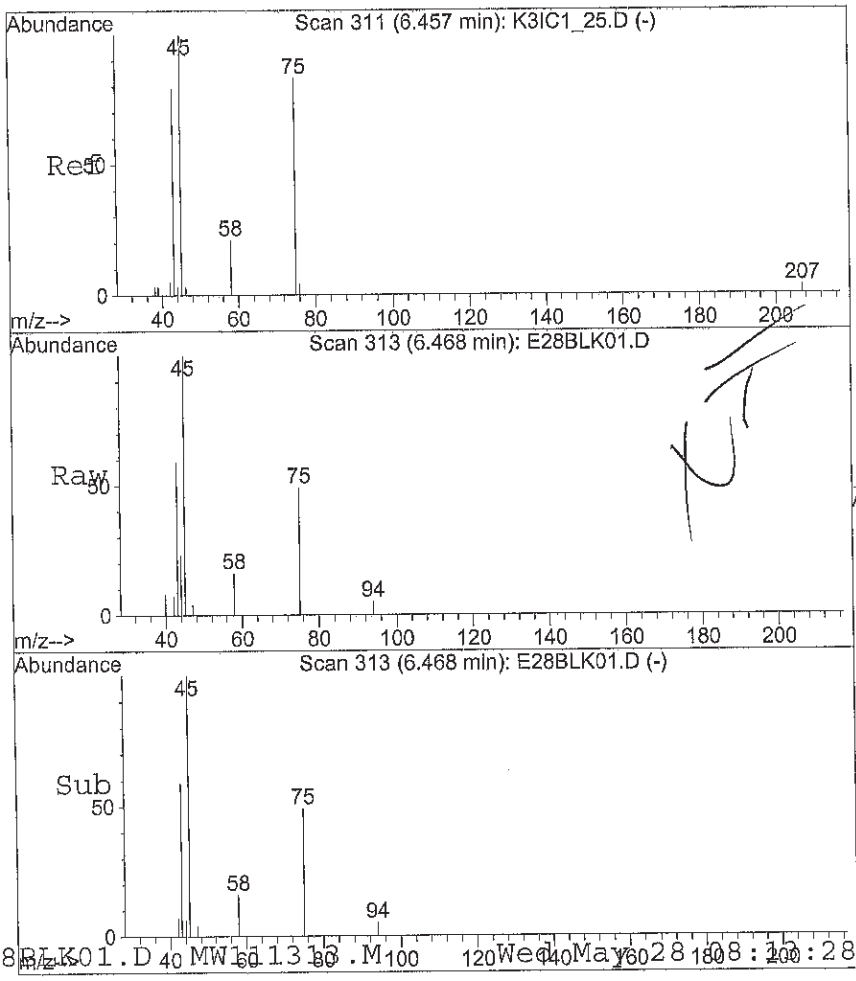


#7
Chloroethane
Concen: 1.18 ug/L
RT: 5.47 min Scan# 195
Delta R.T. 0.23 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 64 Resp: 779

Ion	Ratio	Lower	Upper
64	100		
66	37.4	35.4	53.0

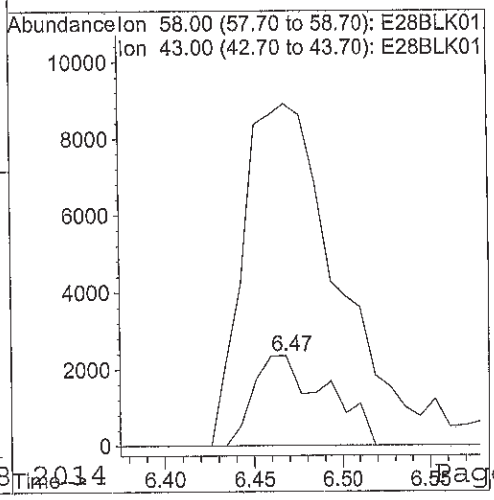


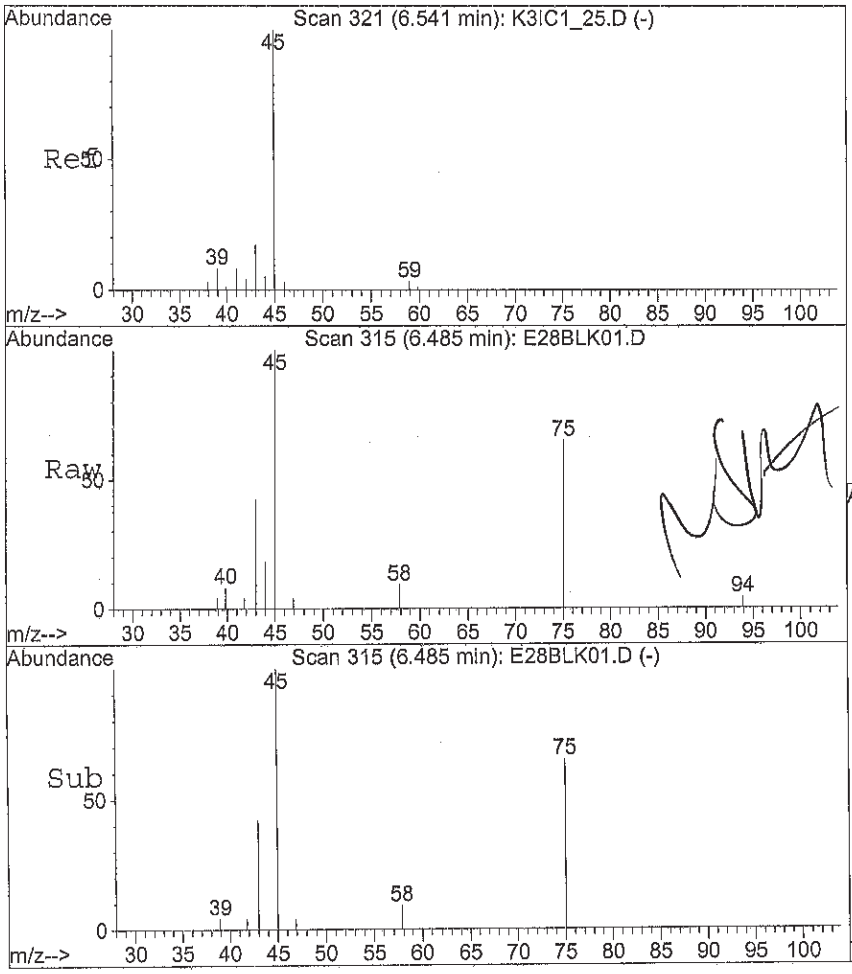


#11
Acetone
Concen: 4.29 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 58 Resp: 6791

Ion	Ratio	Lower	Upper
58	100		
43	504.8	360.9	541.3

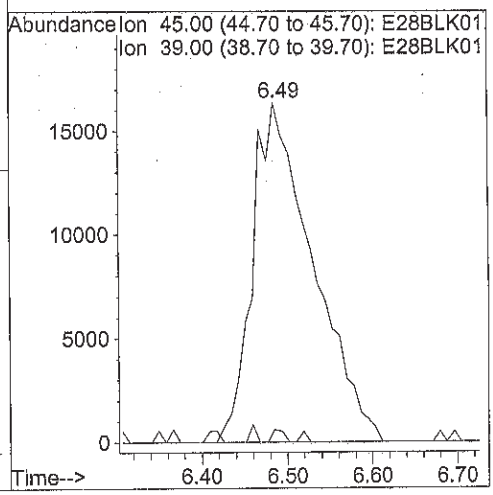


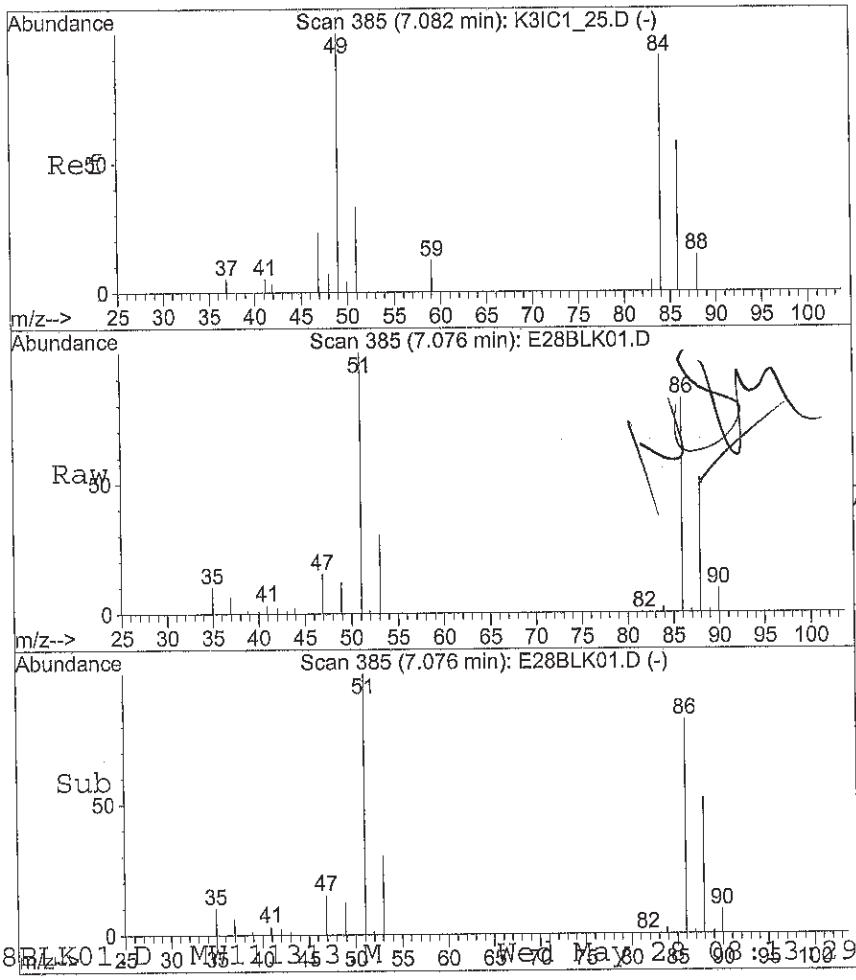


#12
(IPA) Leak Check Compound
Concen: 352.02 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.06 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 45 Resp: 79782

Ion	Ratio	Lower	Upper
45	100		
39	0.7	4.9	7.3#

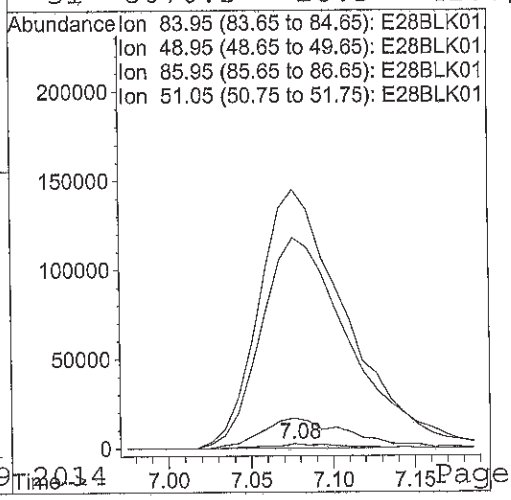


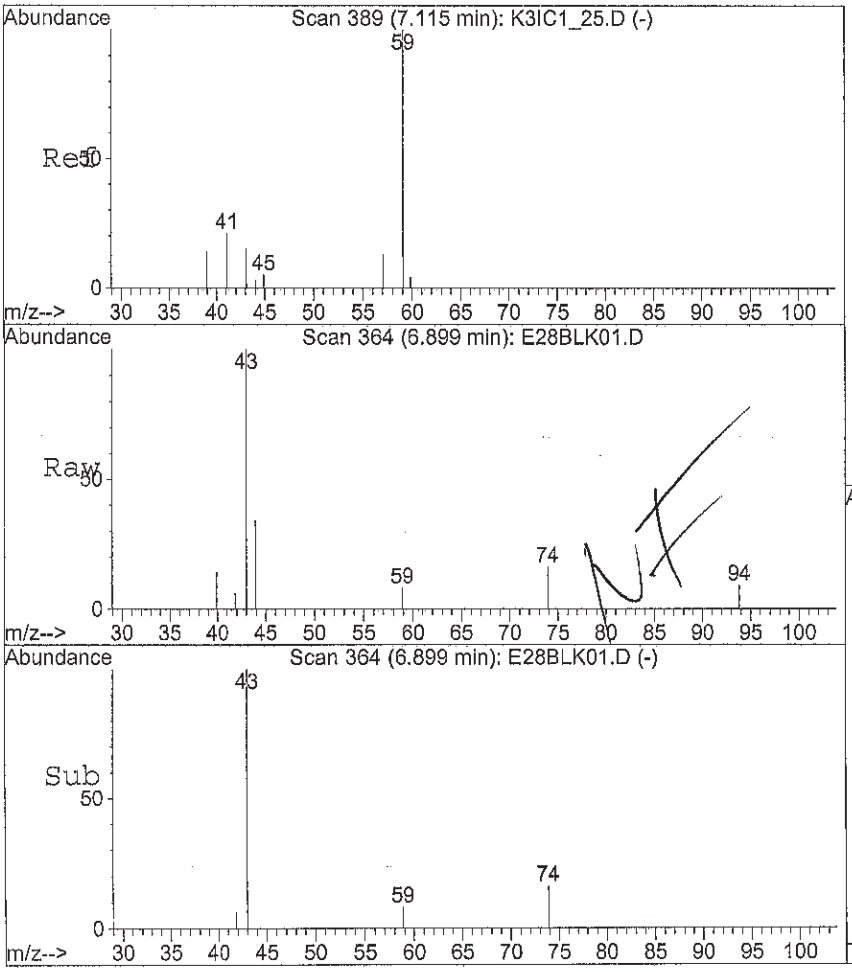


#14
Methylene Chloride
Concen: 1.30 ug/L
RT: 7.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 84 Resp: 6757

Ion	Ratio	Lower	Upper
84	100		
49	895.4	89.8	134.6#
86	6642.1	51.1	76.7#
51	8070.3	28.5	42.7#

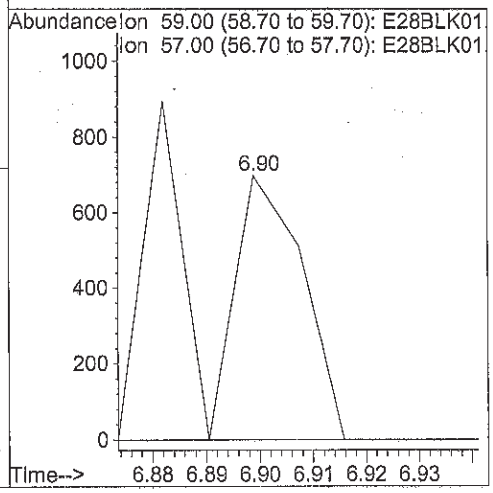


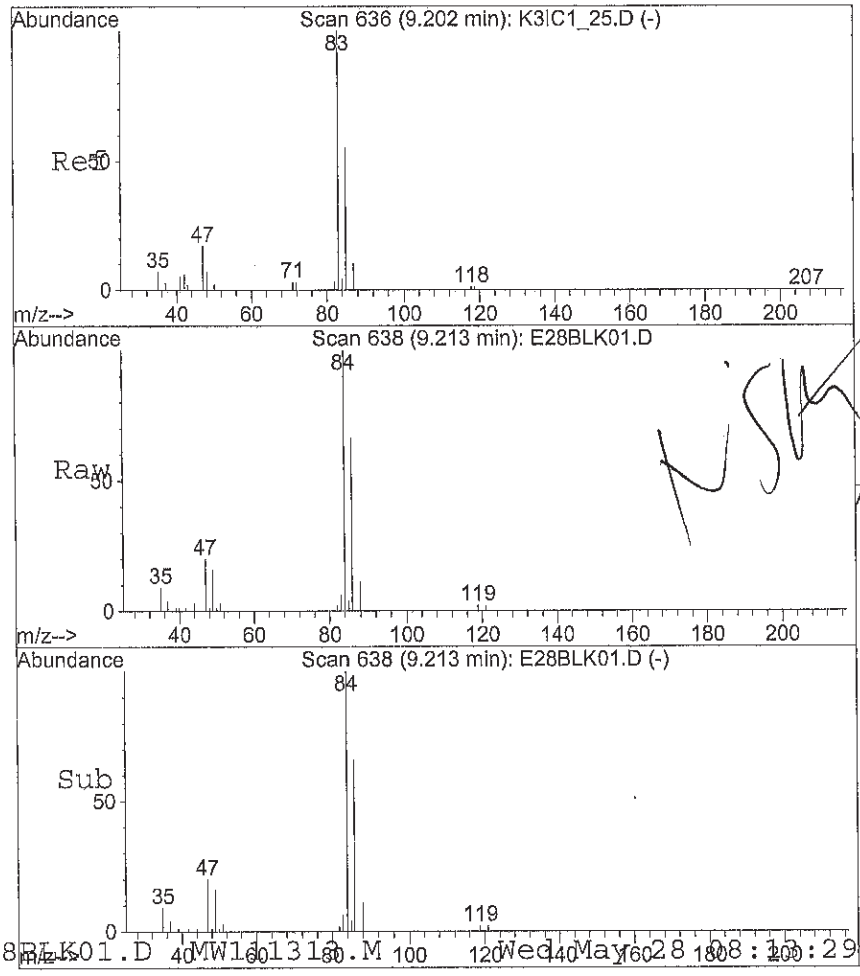


#15
(TBA) tert-Butanol
Concen: 1.91 ug/L
RT: 6.90 min Scan# 364
Delta R.T. -0.22 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 59 Resp: 613

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

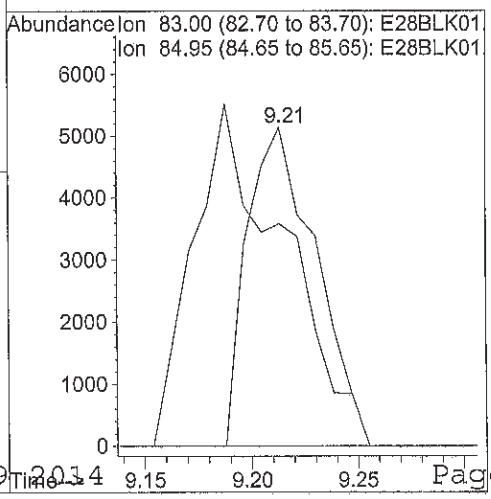


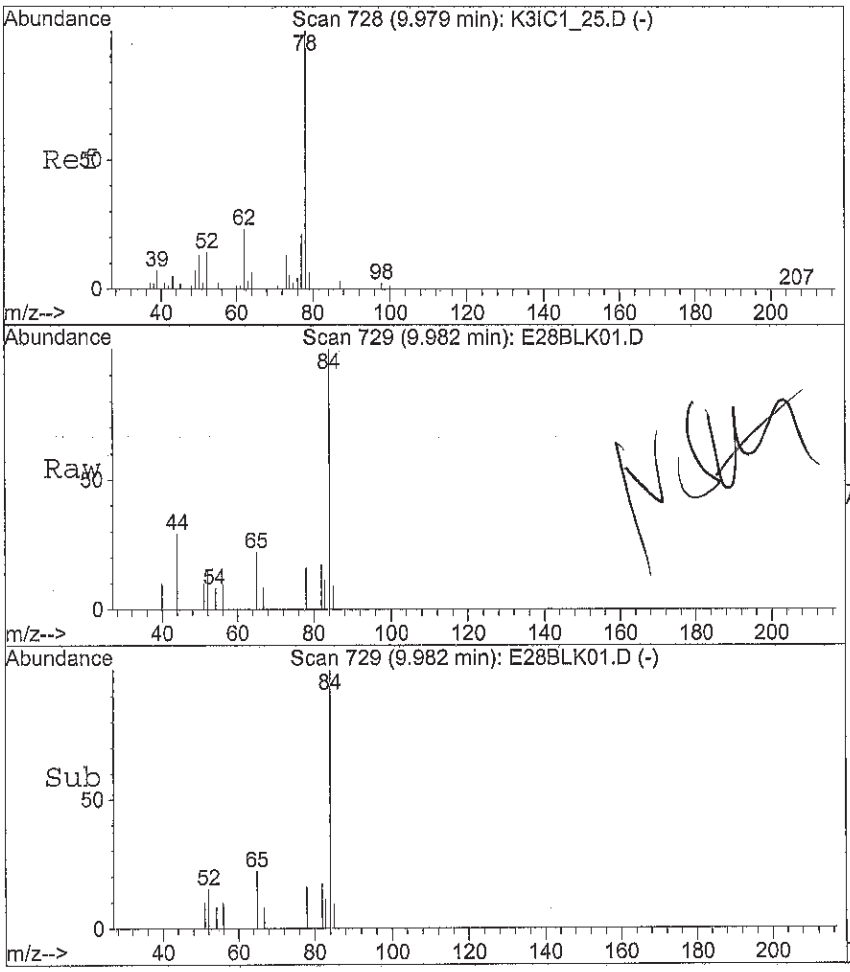


#24
Chloroform
Concen: 1.16 ug/L
RT: 9.21 min Scan# 638
Delta R.T. 0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 83 Resp: 11505

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

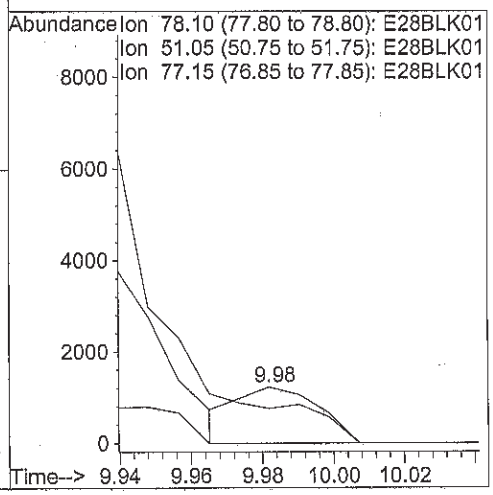


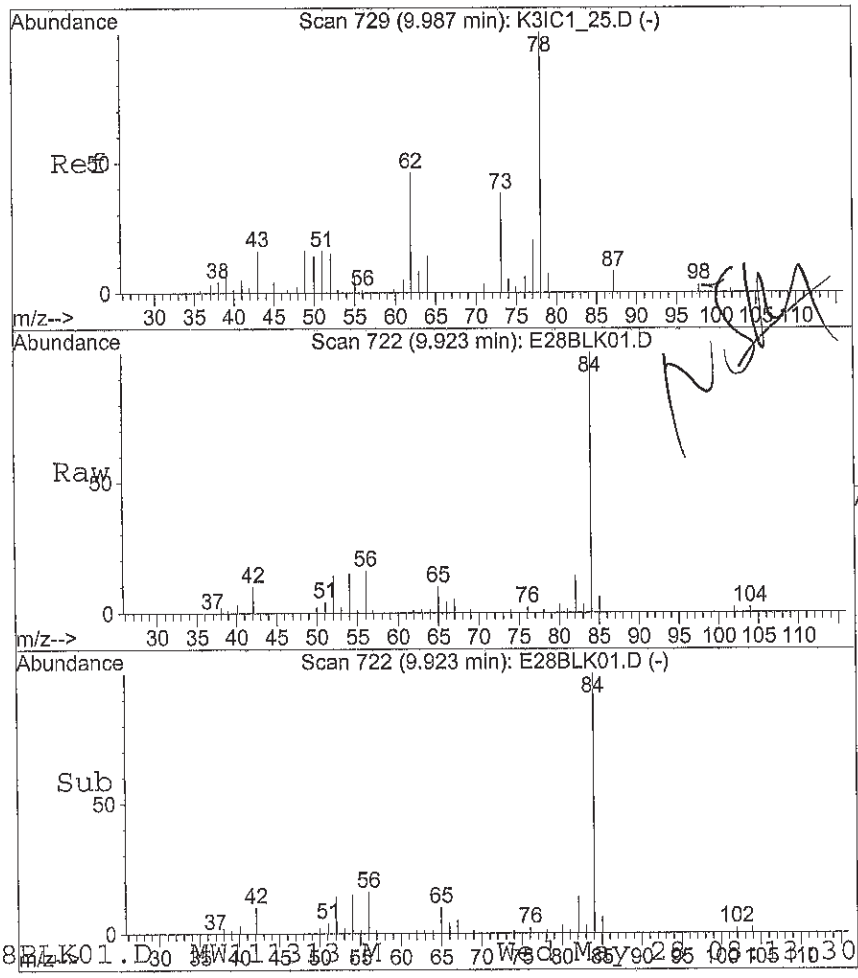


#31
Benzene
Concen: 0.11 ug/L
RT: 9.98 min Scan# 729
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 78 Resp: 1971

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

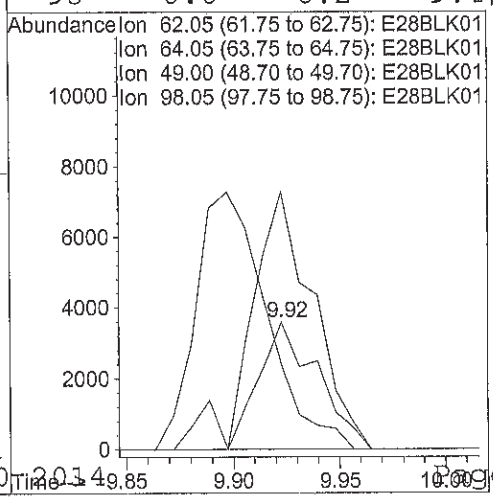


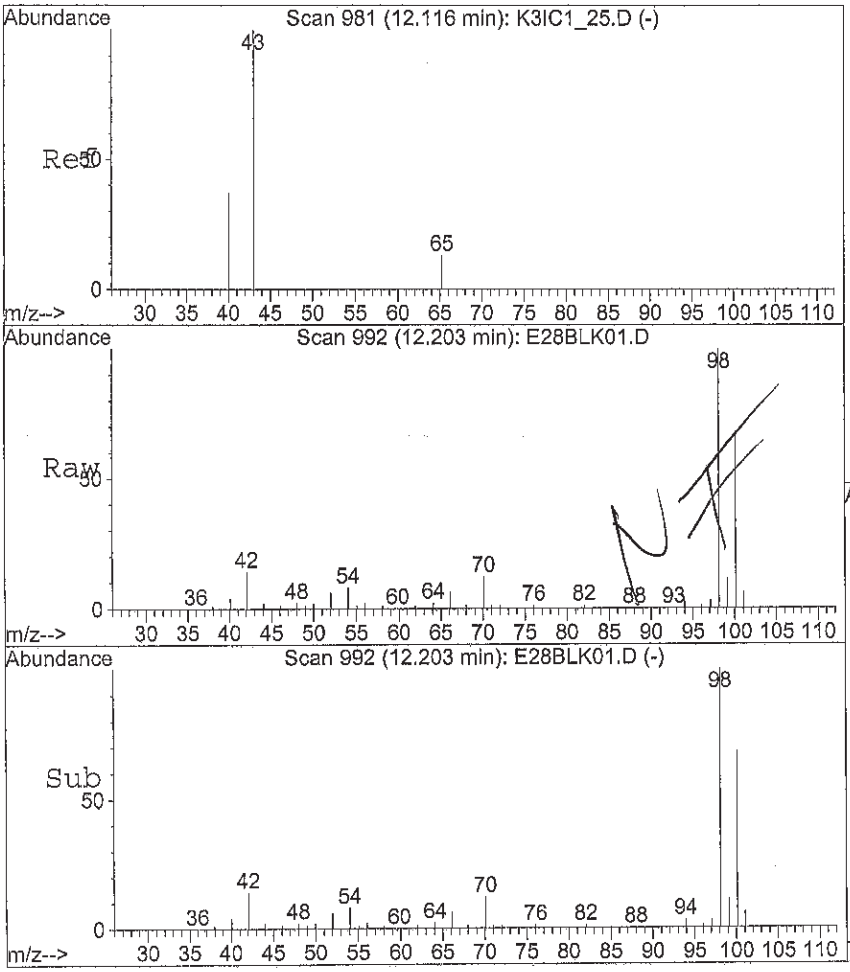


#32
1,2-Dichloroethane
Concen: 1.10 ug/L
RT: 9.92 min Scan# 722
Delta R.T. -0.06 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 62 Resp: 6880

Ion	Ratio	Lower	Upper
62	100		
64	216.0	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

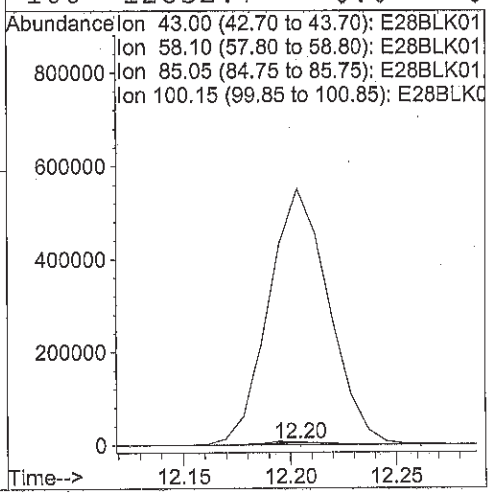


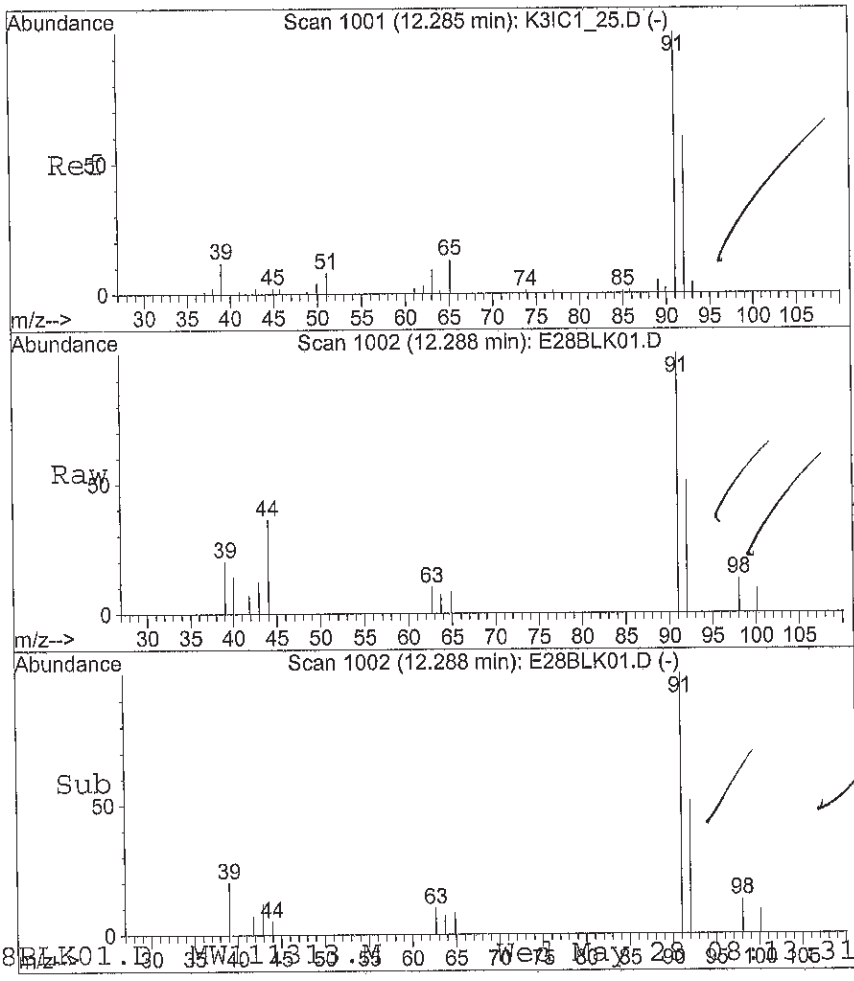


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.99 ug/L
RT: 12.20 min Scan# 992
Delta R.T. 0.09 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 43 Resp: 8470

Ion	Ratio	Lower	Upper
43	100		
58	154.5	0.0	0.0#
85	0.0	0.0	0.0
100	12852.7	0.0	0.0#

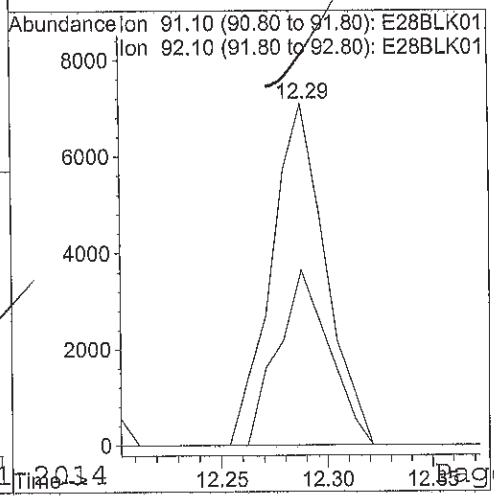


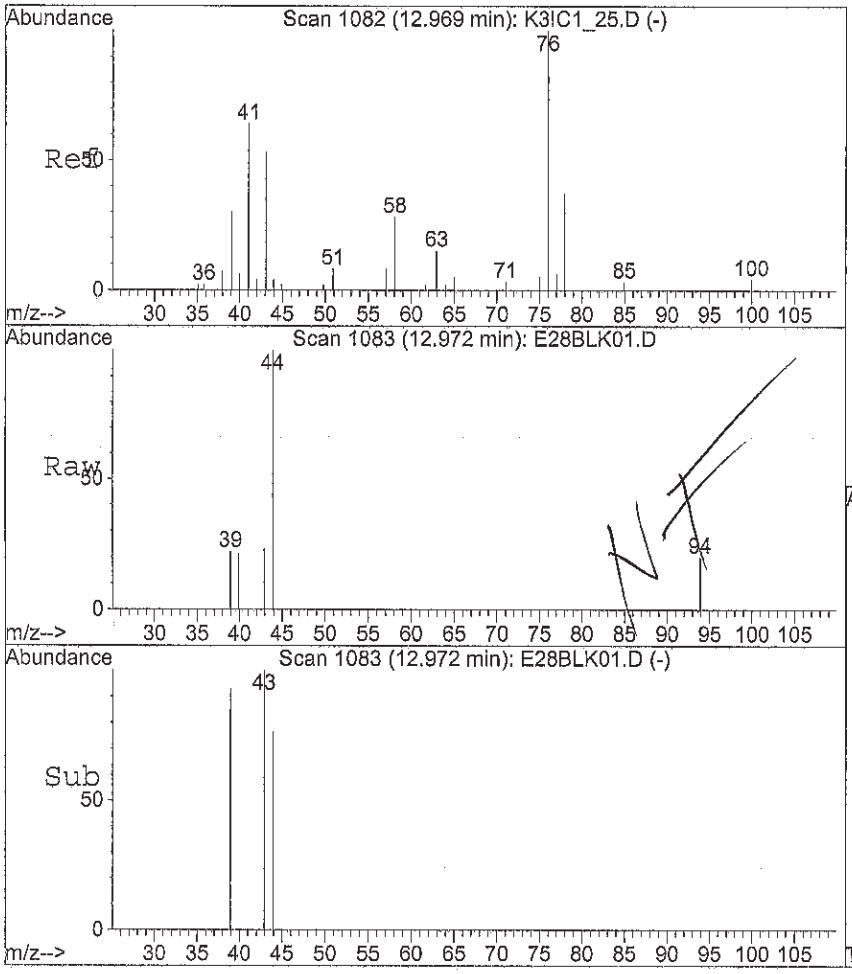


#41
Toluene
Concen: 0.65 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 91 Resp: 12619

Ion	Ratio	Lower	Upper
91	100		
92	48.7	47.4	71.0

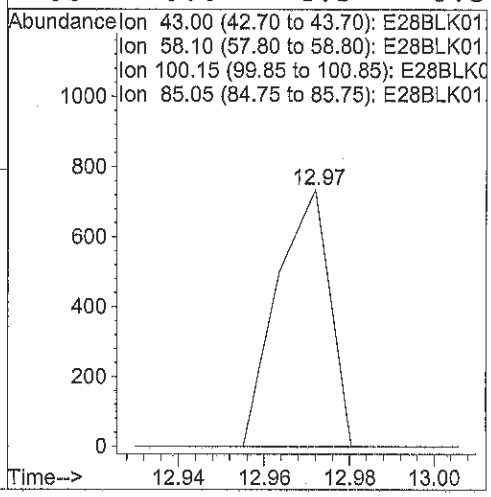


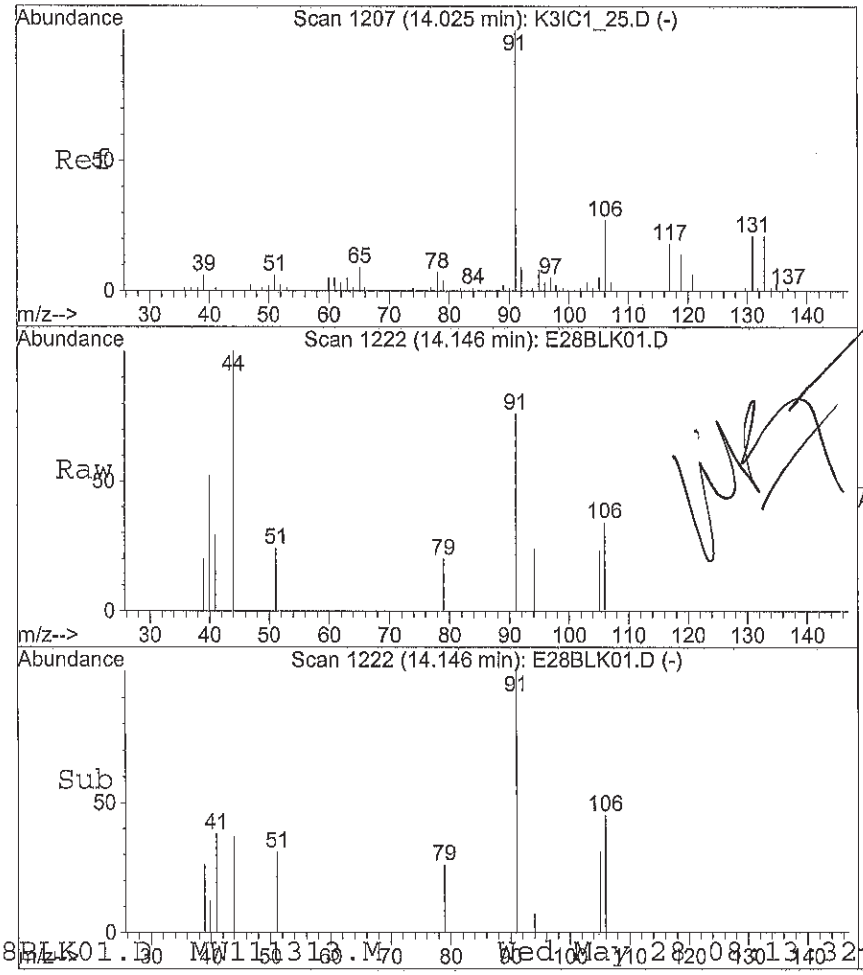


#46
2-Hexanone
Concen: 0.20 ug/L
RT: 12.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 43 Resp: 627

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

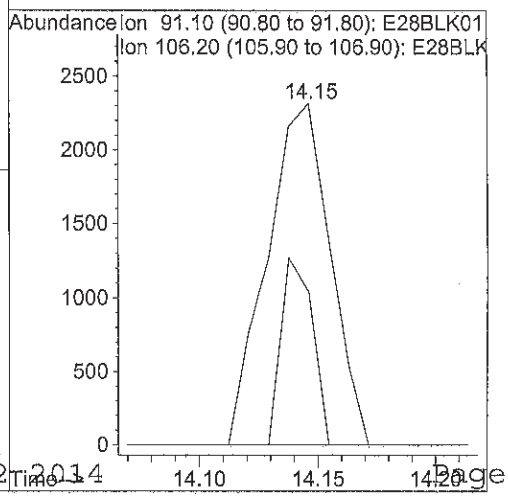


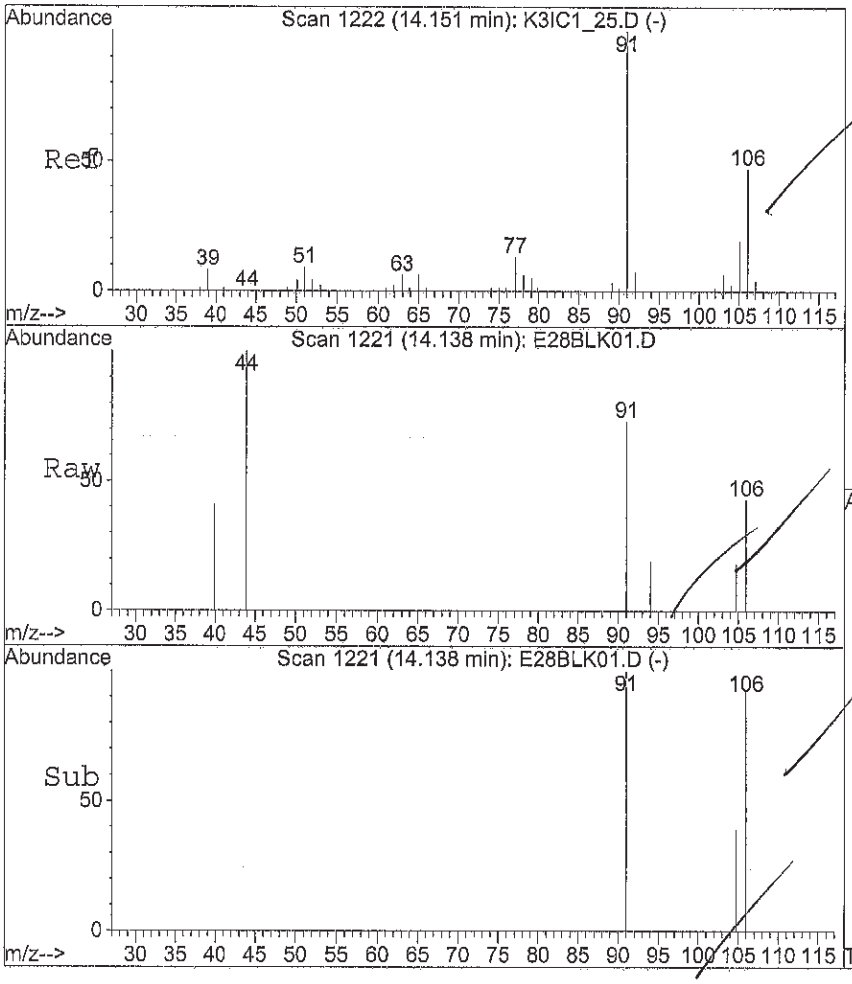


#51
Ethylbenzene
Concen: 0.19 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. 0.12 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 91 Resp: 4274

Ion	Ratio	Lower	Upper
91	100		
106	27.4	23.5	35.3

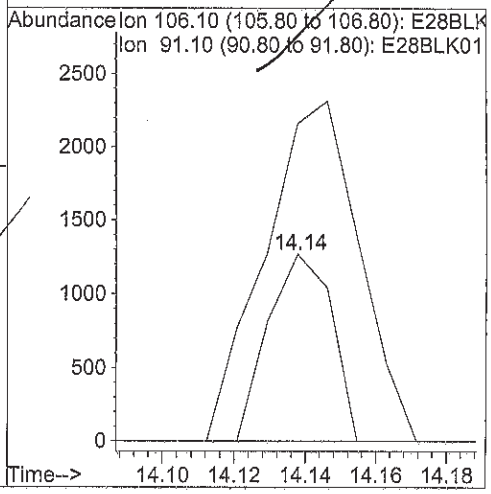


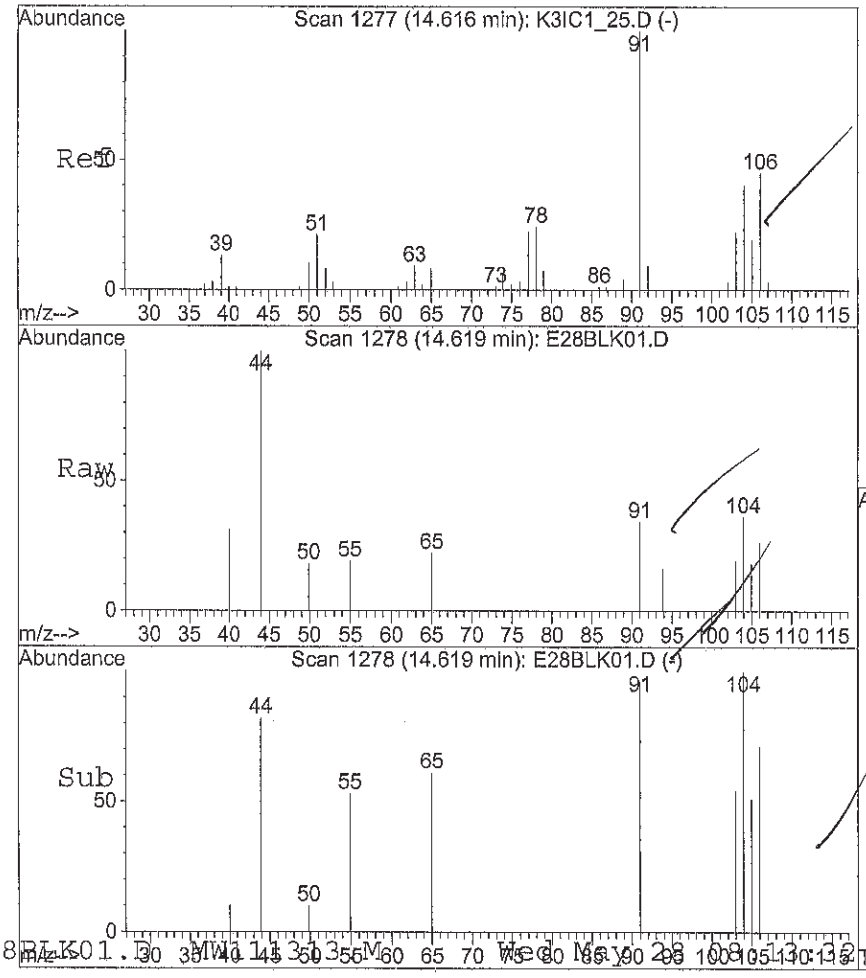


#52
m,p-Xylenes
Concen: 0.20 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:106 Resp: 1580

Ion	Ratio	Lower	Upper
106	100		
91	270.5	177.1	265.7#

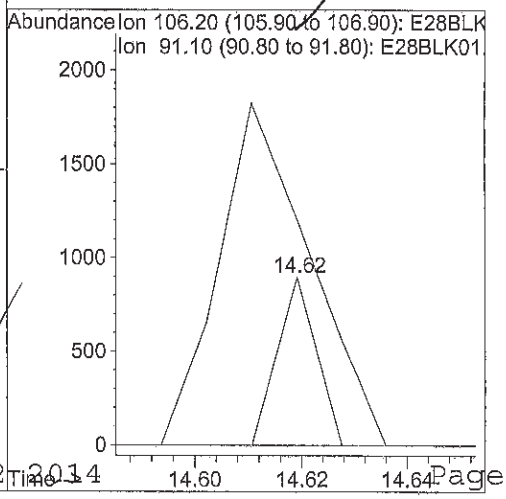


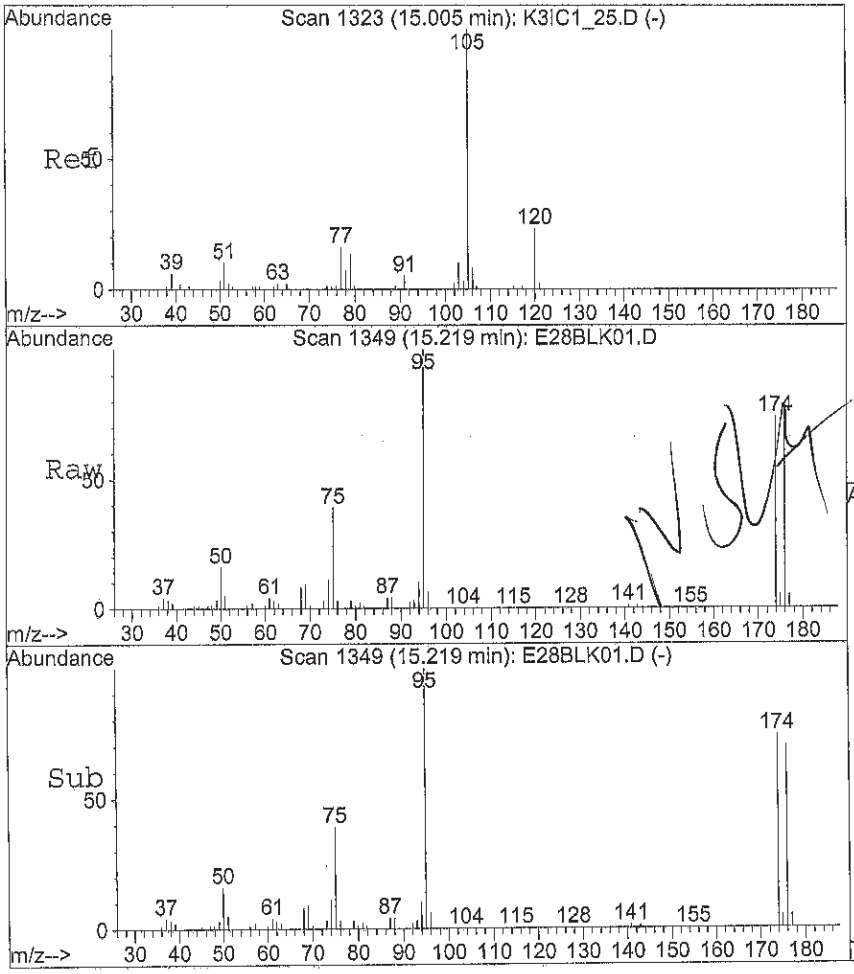


#53
o-Xylene
Concen: 0.06 ug/L
RT: 14.62 min Scan# 1278
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:106 Resp: 455

Ion	Ratio	Lower	Upper
106	100		
91	473.2	179.0	268.6#

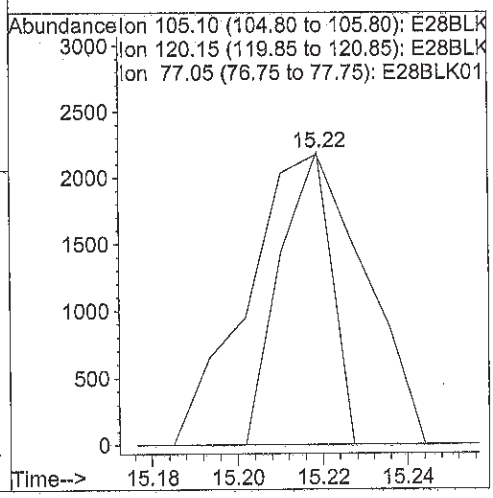


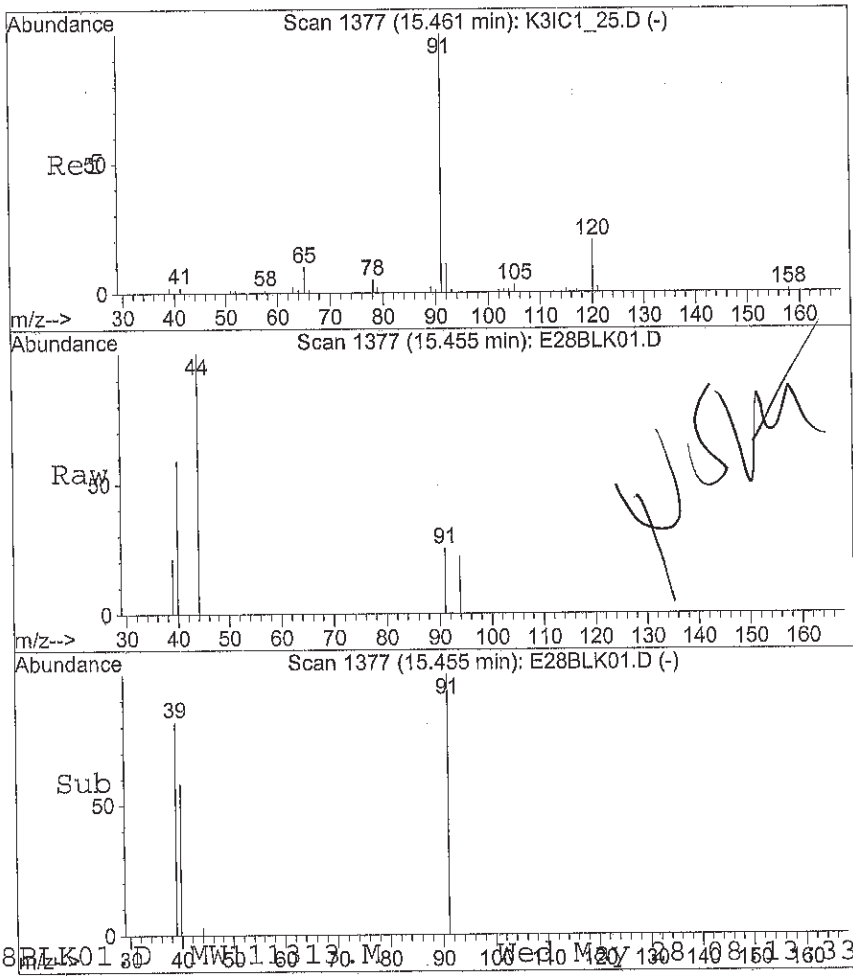


#56
Isopropylbenzene
Concen: 0.09 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. 0.21 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:105 Resp: 1840

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	224.8	13.1	19.7#

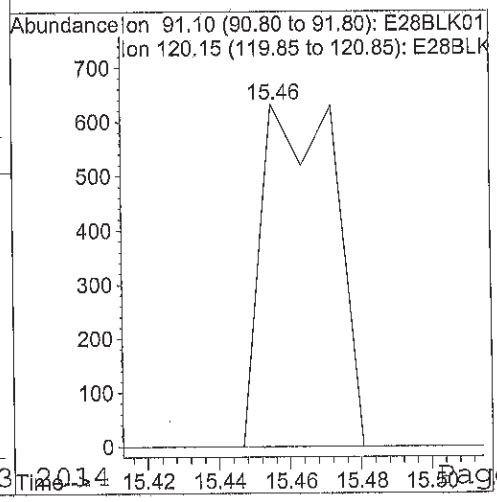


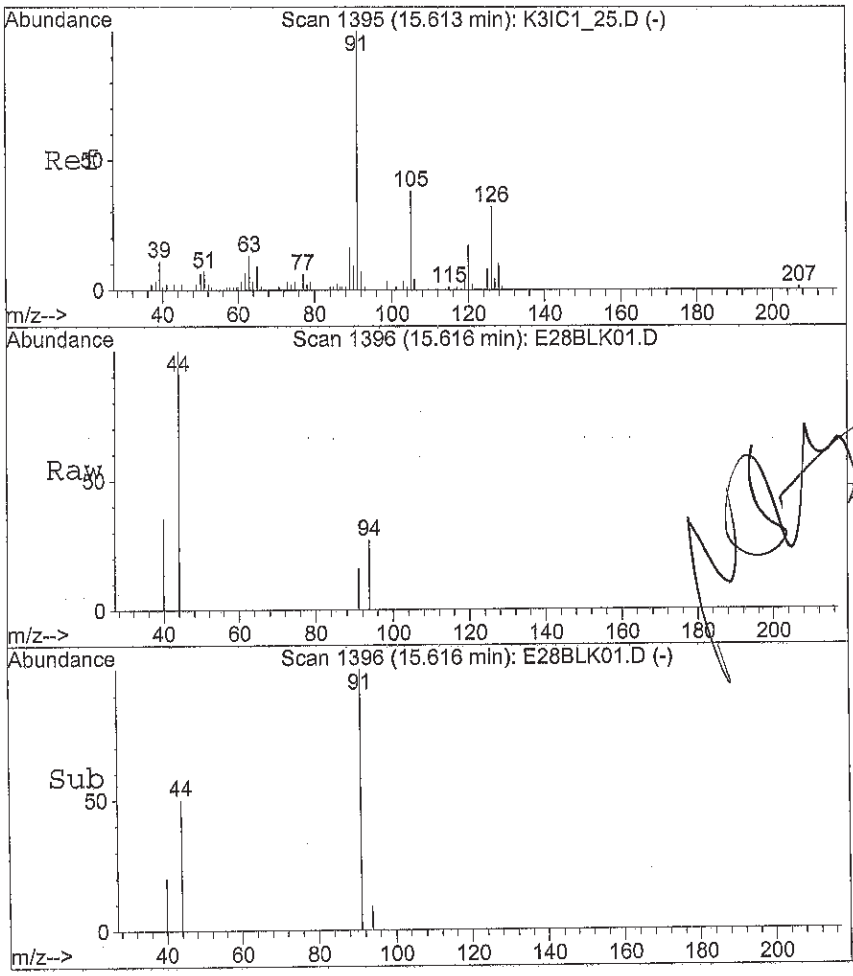


#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 91 Resp: 902

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

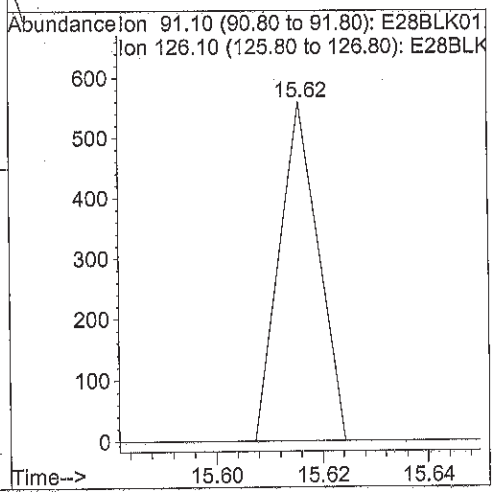


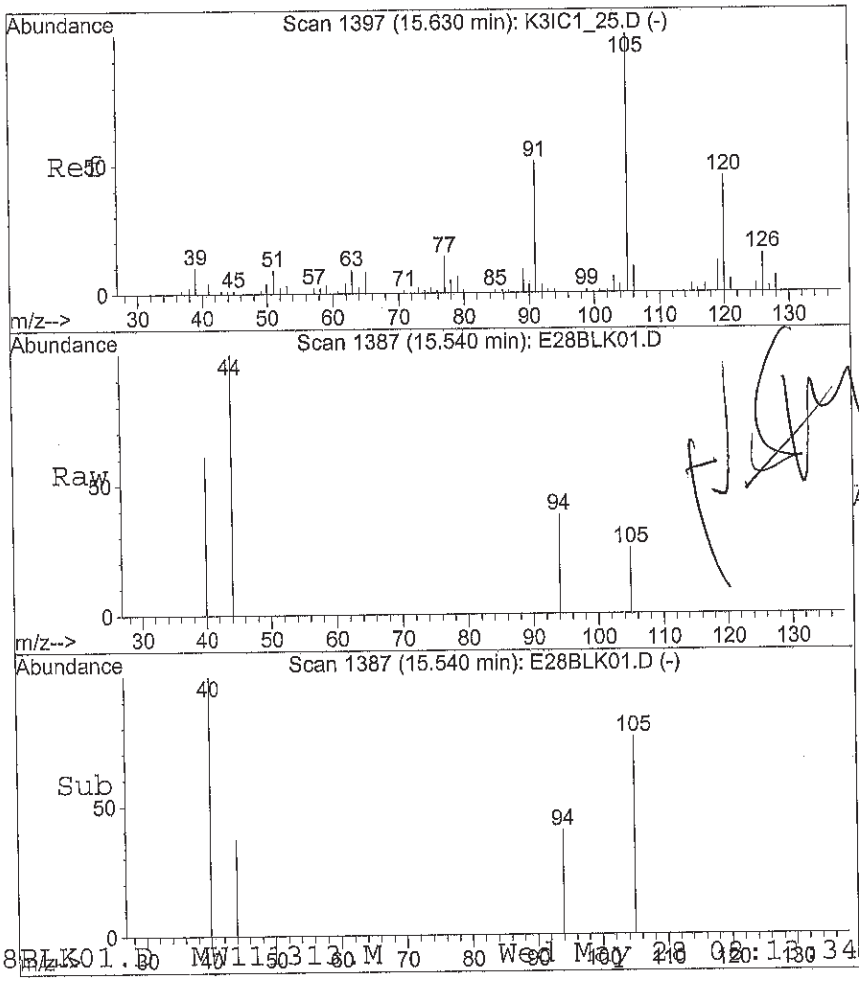


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 91 Resp: 283

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

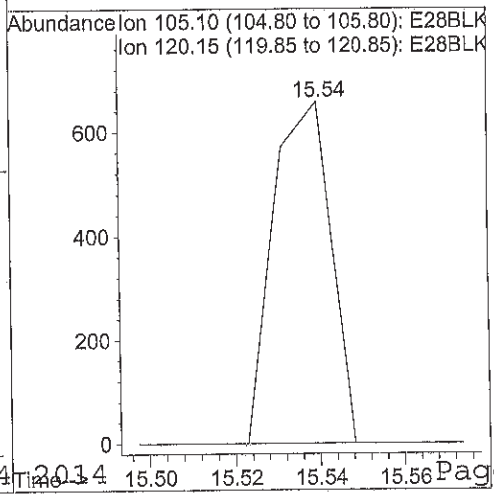


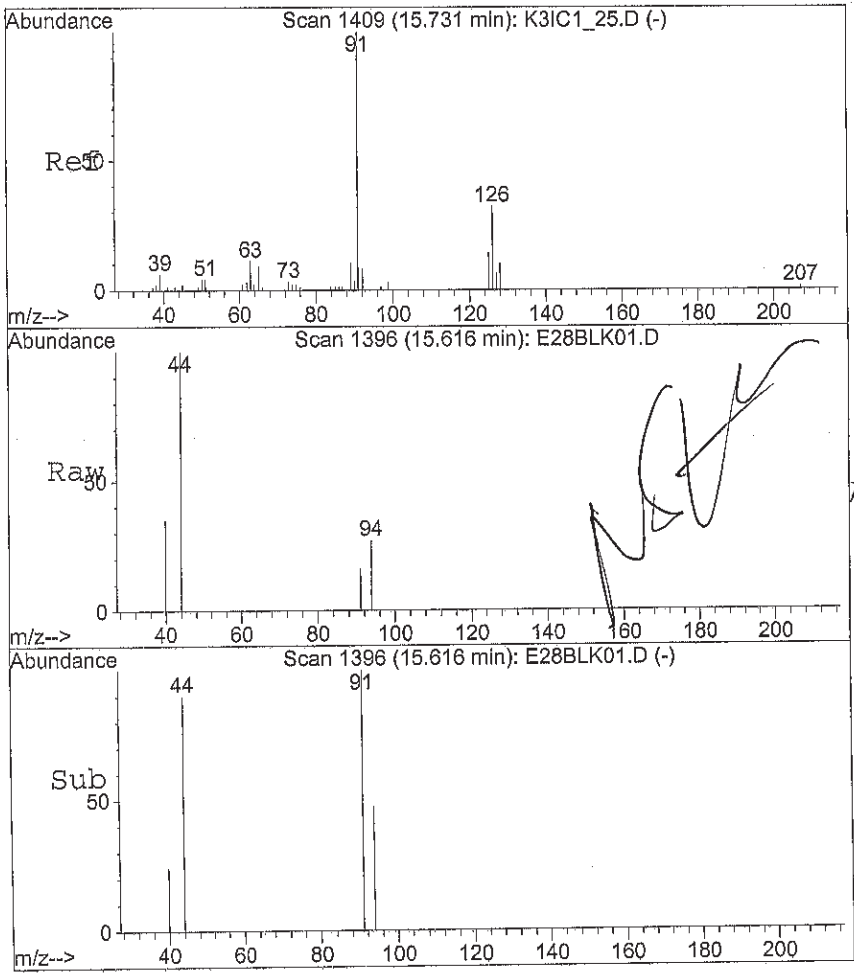


#64
1,3,5-Trimethylbenzene
Concen: 0.03 ug/L
RT: 15.54 min Scan# 1387
Delta R.T. -0.09 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:105 Resp: 623

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

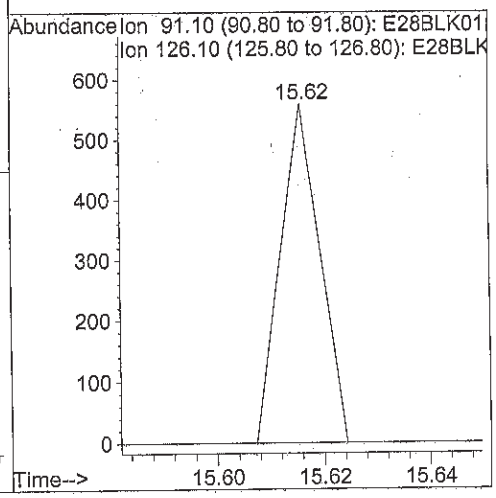


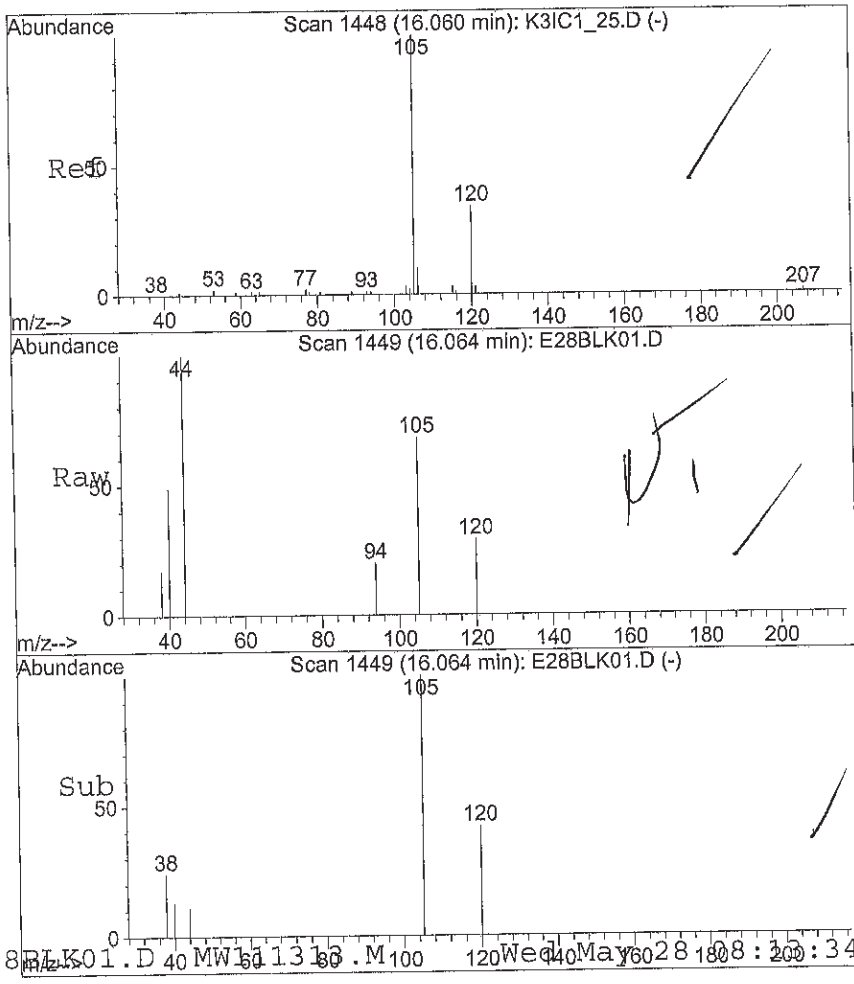


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.62 min Scan# 1396
Delta R.T. -0.12 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion: 91 Resp: 283

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

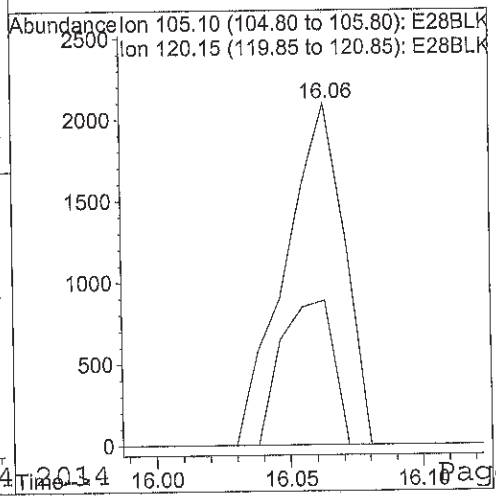


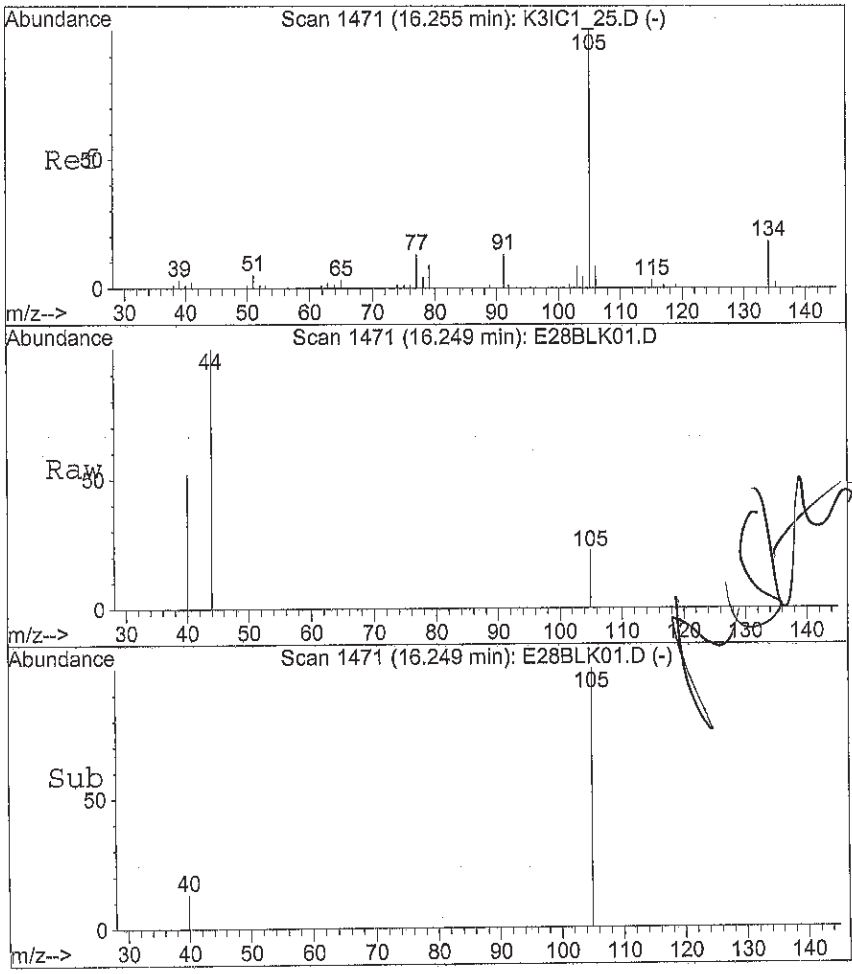


#67
1,2,4-Trimethylbenzene
Concen: 0.17 ug/L
RT: 16.06 min Scan# 1449
Delta R.T. 0.00 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:105 Resp: 3223

Ion	Ratio	Lower	Upper
105	100		
120	37.4	33.8	50.8

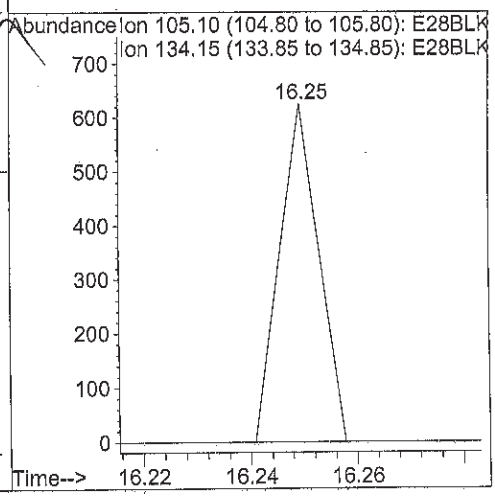


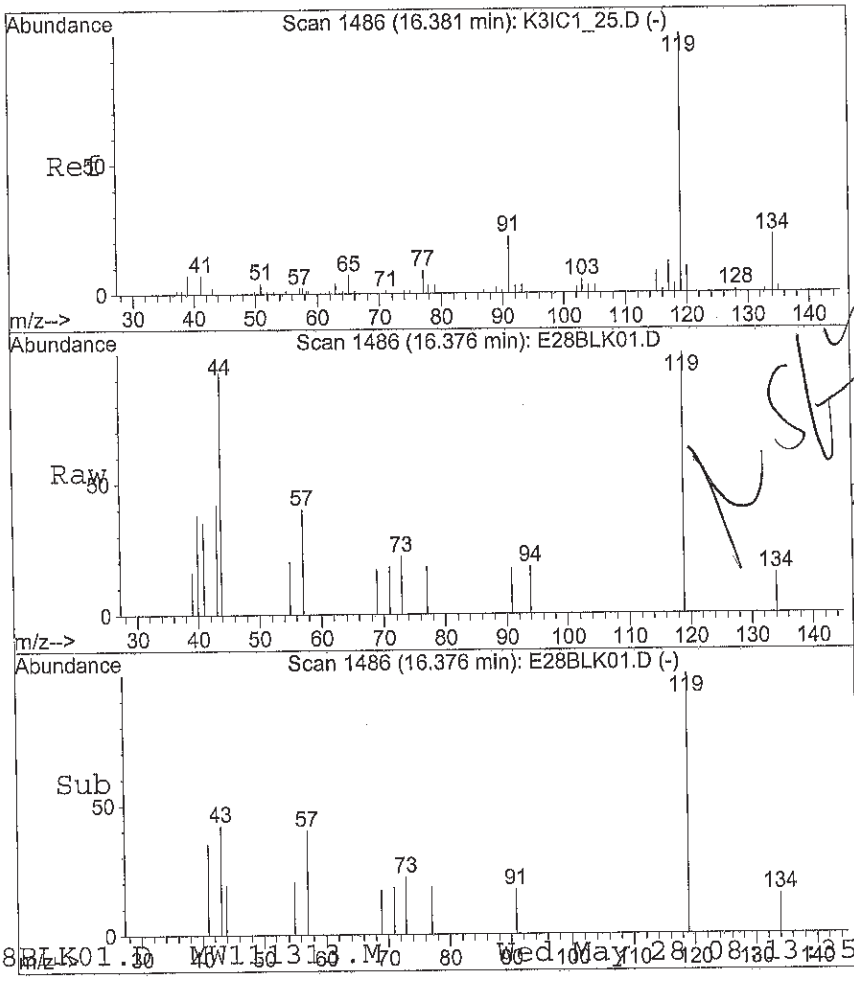


#68
sec-Butylbenzene
Concen: 0.01 ug/L
RT: 16.25 min Scan# 1471
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:105 Resp: 317

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

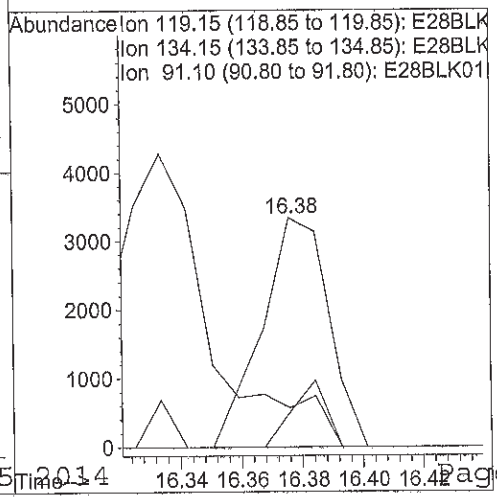


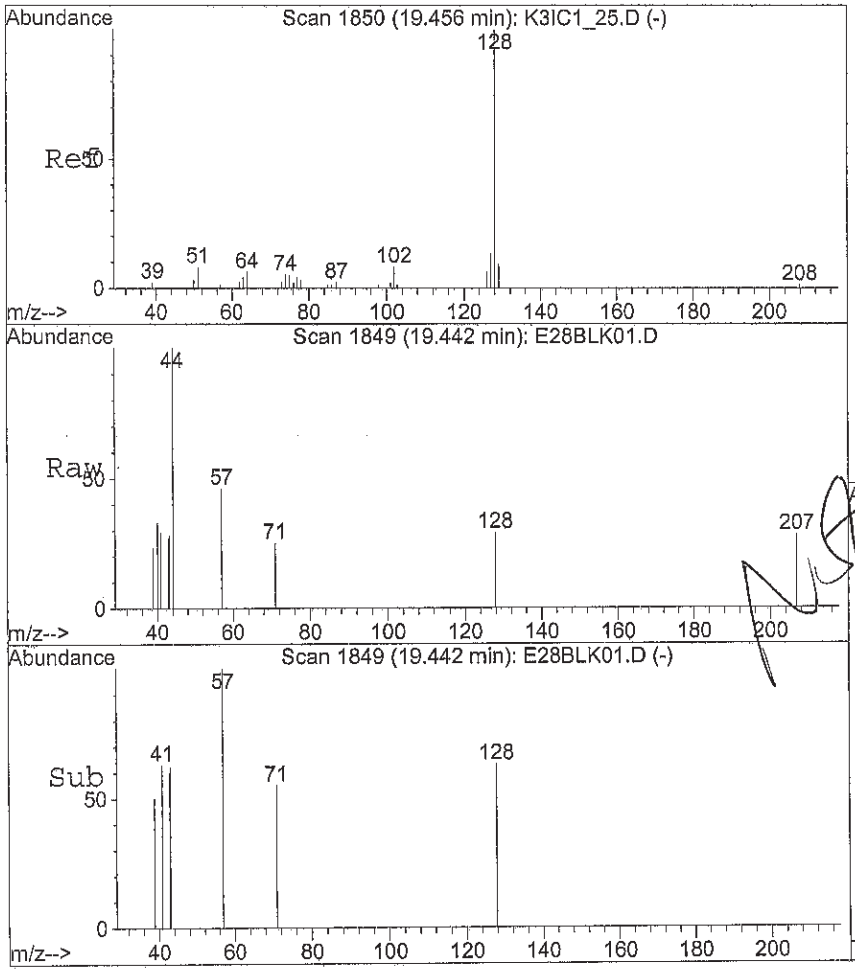


#69
p-Isopropyltoluene
Concen: 0.26 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:119 Resp: 5081

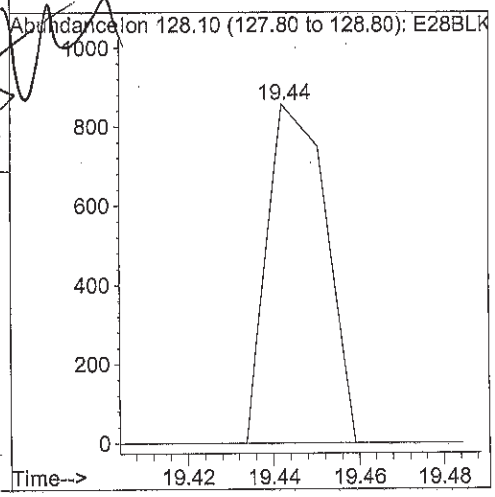
Ion	Ratio	Lower	Upper
119	100		
134	14.6	17.4	26.2#
91	0.0	19.6	29.4#





#77
Naphthalene
Concen: 0.06 ug/L
RT: 19.44 min Scan# 1849
Delta R.T. -0.01 min
Lab File: E28BLK01.D
Acq: 28 May 2014 7:43 am

Tgt Ion:128 Resp: 813



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E28BLK01.D Vial: 11
Acq On : 28 May 2014 7:43 am Operator: DN
Sample : 34E2801-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 8:14 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1886088	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.92	117	1419861	12.50	ug/L	0.00
10) 1,4-Dichlorobenzene-d4 (IS	16.50	152	727836	12.50	ug/L	-0.01
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	523637	10.68	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 85.44%			
3) Chloroform-d (SU6)	9.19	84	774698	11.01	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 88.08%			
4) Methylene Chloride-d2 (SU5	7.08	86	448808	10.91	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 87.28%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	519676	15.50	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 124.00%			
6) Benzene-d6 (SU7)	9.93	84	1546292	10.45	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 83.60%			
8) Toluene-d8 (SU3)	12.20	98	1619271	12.02	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.16%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	780429	14.03	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 112.24%			

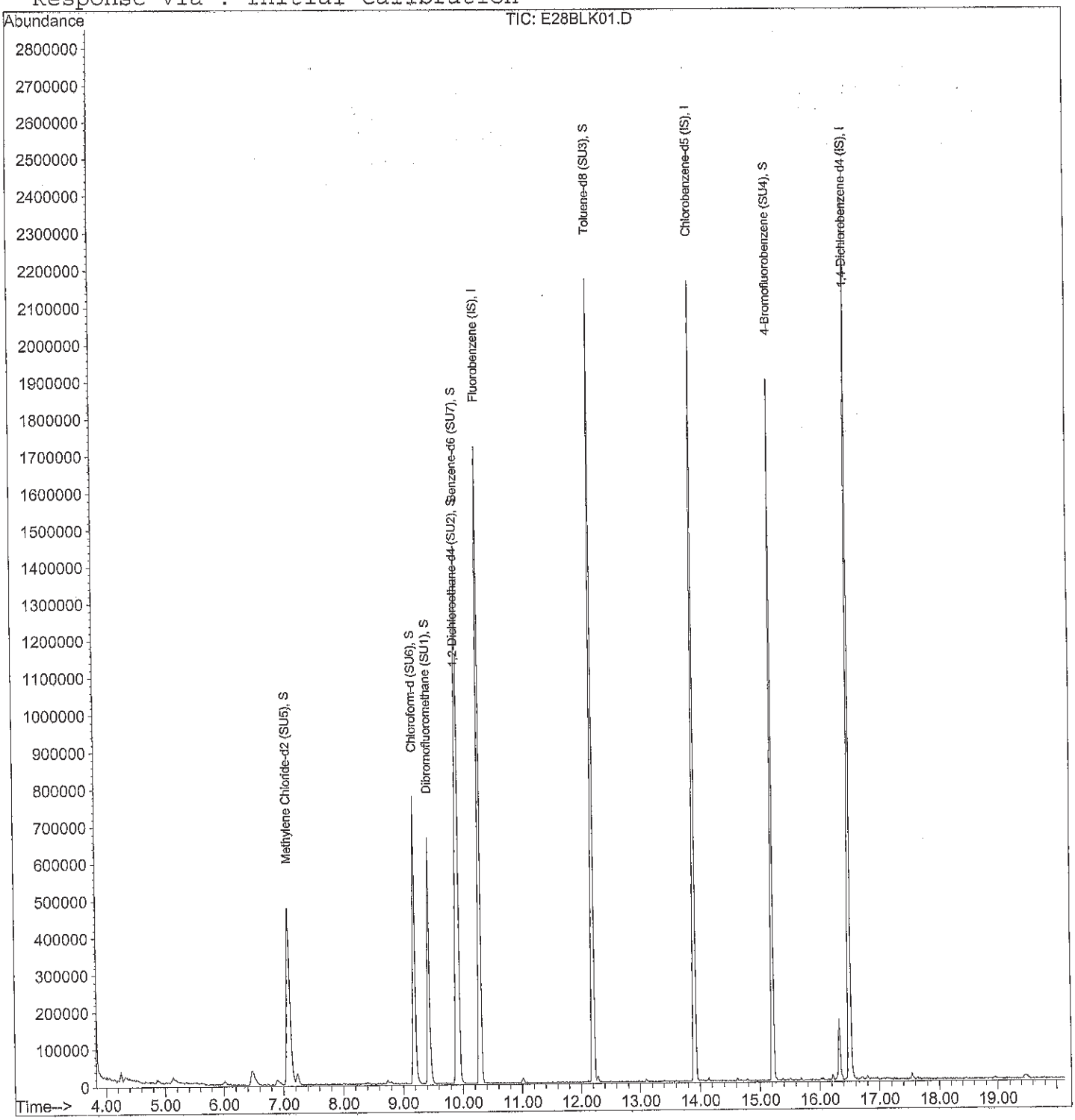
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E28BLK01.D Vial: 11
Acq On : 28 May 2014 7:43 am Operator: DN
Sample : 34E2801-BLK1 Inst : GC/MS Ins
Misc : 100cc AMBIENT AIR/H20 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 8:14 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



RAW DATA FOR ANALYZED SAMPLES INCLUDING CHROMATOGRAMS, QUANTITATION REPORTS AND SPECTRA

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800001.D Vial: 11
Acq On : 28 May 2014 8:13 am Operator: DN
Sample : 3E42801-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:13 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1767160	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1332651	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	691087	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	484006	10.98	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 87.84%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	470035	11.22	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.76%			
39) Toluene-d8 (SU3)	12.21	98	1528587	12.30	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.40%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	724152	13.29	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.32%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	2886	-0.25	ug/L #	60
6) Bromomethane	5.16	96	4146	0.36	ug/L #	1
7) Chloroethane	5.25	64	1246	1.53	ug/L #	32
11) Acetone	6.47	58	7159	5.54	ug/L	97
12) (IPA) Leak Check Compound	6.48	45	67832	319.44	ug/L #	87
14) Methylene Chloride	7.06	84	5508	1.13	ug/L #	1
15) (TBA) tert-Butanol	6.90	59	746	2.48	ug/L #	77
24) Chloroform	9.22	83	2878	0.31	ug/L #	60
29) 1,1-Dichloropropene	9.93	75	304	0.04	ug/L #	1
31) Benzene	9.99	78	706	0.04	ug/L #	57
32) 1,2-Dichloroethane	9.93	62	6196	1.05	ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	7862	2.96	ug/L #	100
41) Toluene	12.29	91	2749	0.15	ug/L #	80
46) 2-Hexanone	12.98	43	741	0.25	ug/L #	37
51) Ethylbenzene	14.15	91	1034	0.05	ug/L	98
52) m,p-Xylenes	14.15	106	314	0.04	ug/L #	83
54) Styrene	14.63	104	1249	-0.76	ug/L #	43
62) n-Propylbenzene	15.22	91	1869	0.07	ug/L #	56
68) sec-Butylbenzene	16.33	105	1441	0.06	ug/L #	62
69) p-Isopropyltoluene	16.38	119	764	0.04	ug/L #	52
74) 1,2-Dibromo-3-chloropropan	17.77	75	307	1.27	ug/L #	6
77) Naphthalene	19.46	128	341	0.02	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800001.D Vial: 11
Acq On : 28 May 2014 8:13 am Operator: DN
Sample : 3E42801-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:13 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

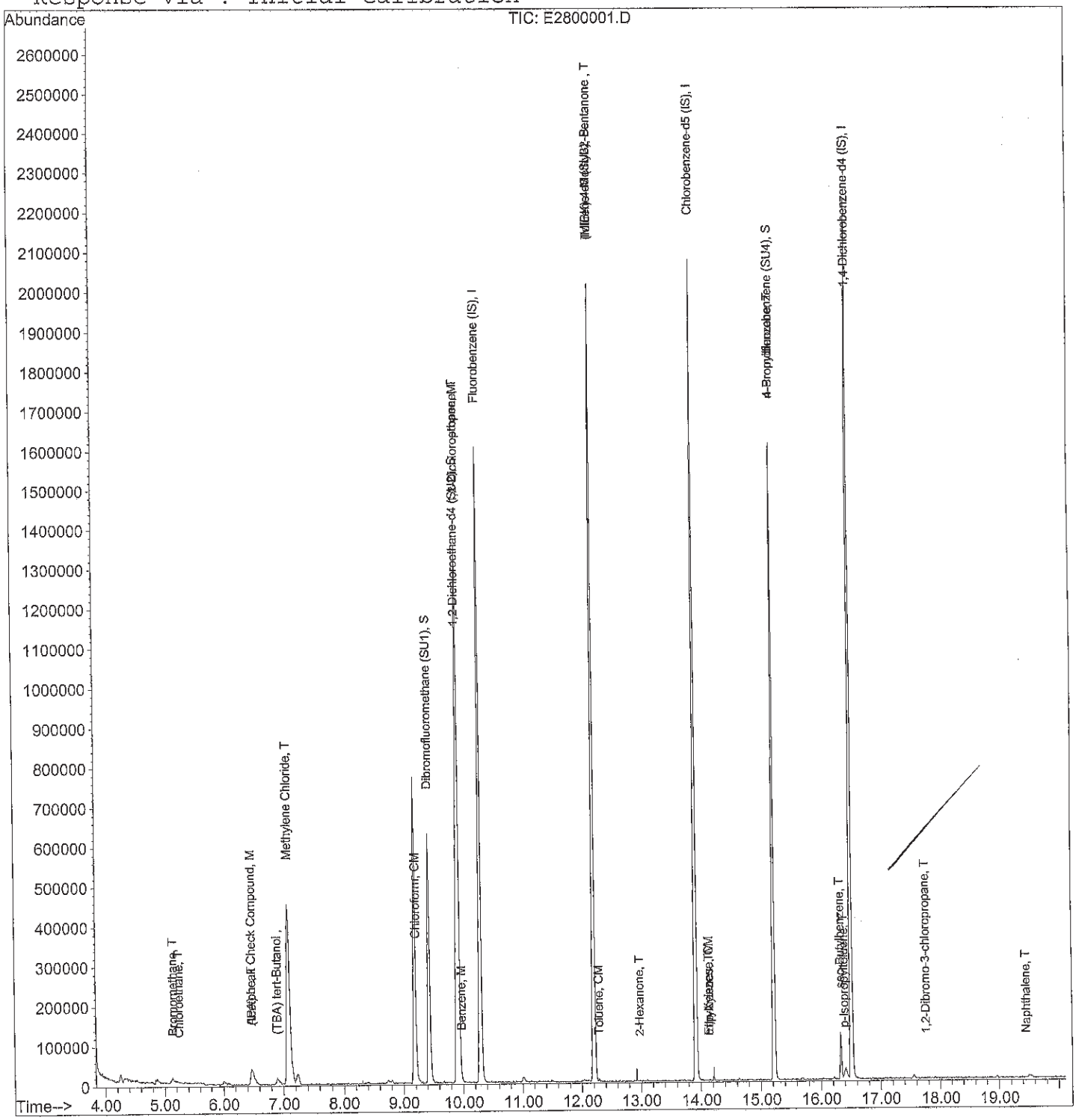
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

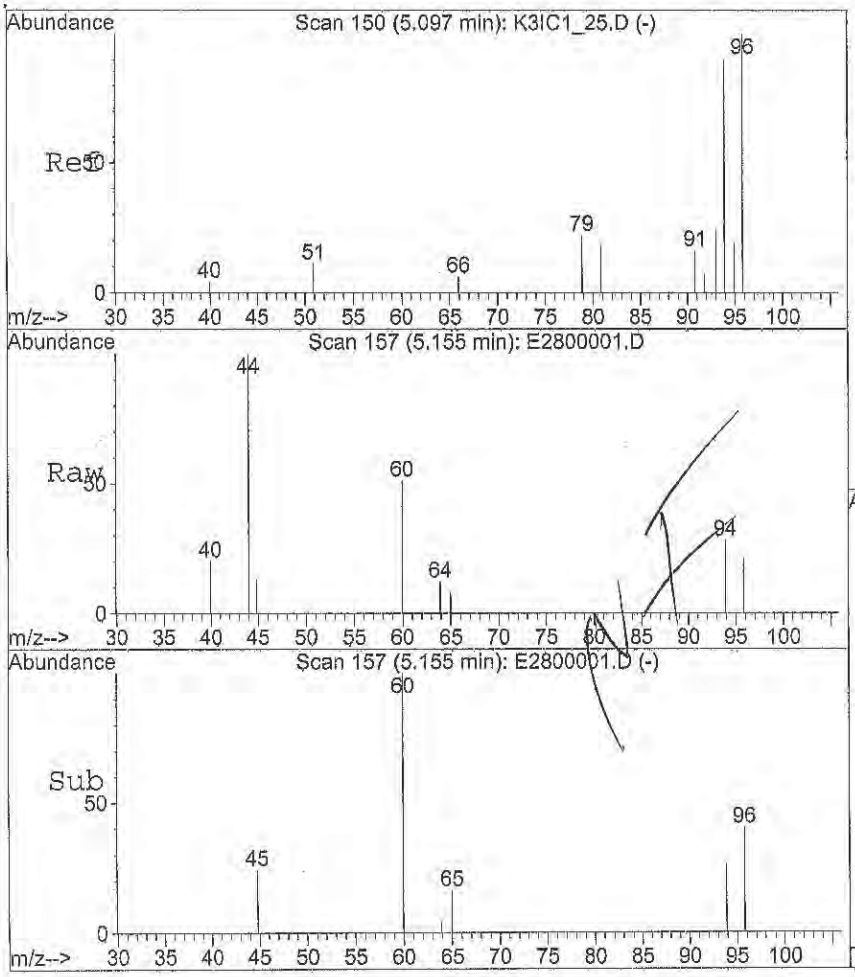
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800001.D Vial: 11
Acq On : 28 May 2014 8:13 am Operator: DN
Sample : 3E42801-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:13 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

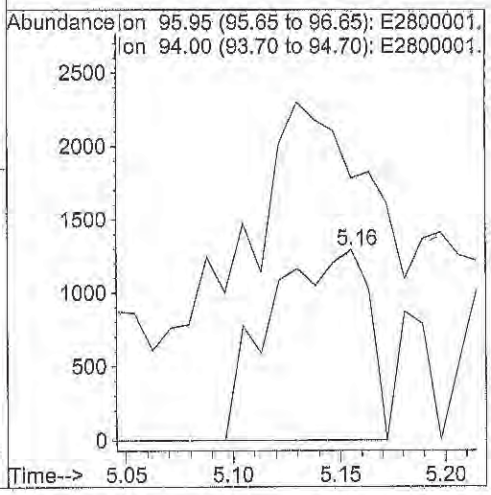


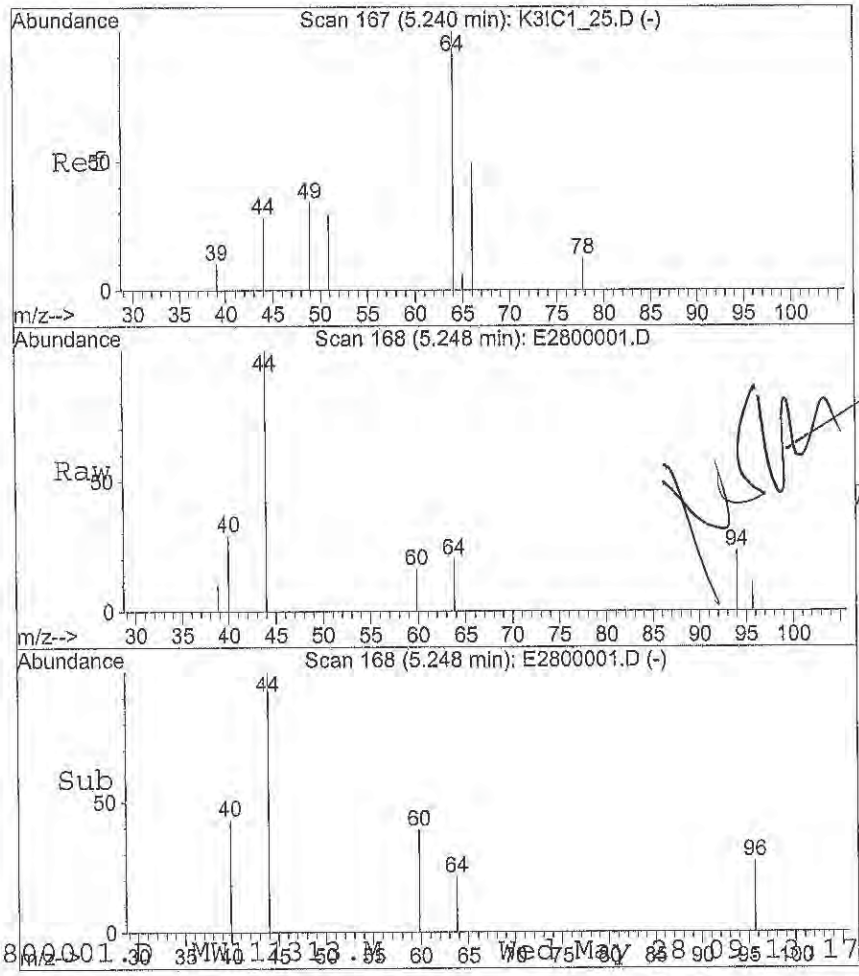


#6
Bromomethane
Concen: 0.36 ug/L
RT: 5.16 min Scan# 157
Delta R.T. 0.06 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 96 Resp: 4146

Ion	Ratio	Lower	Upper
96	100		
94	0.0	101.0	151.4#

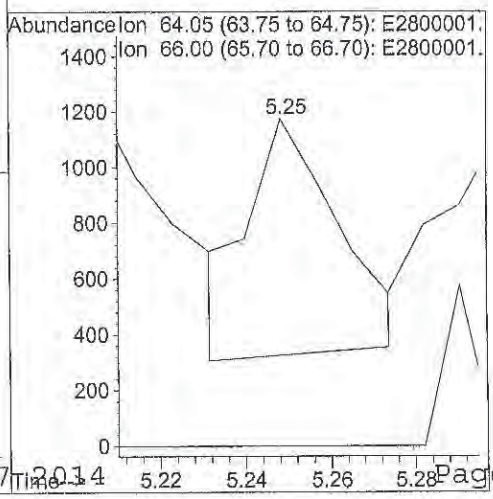


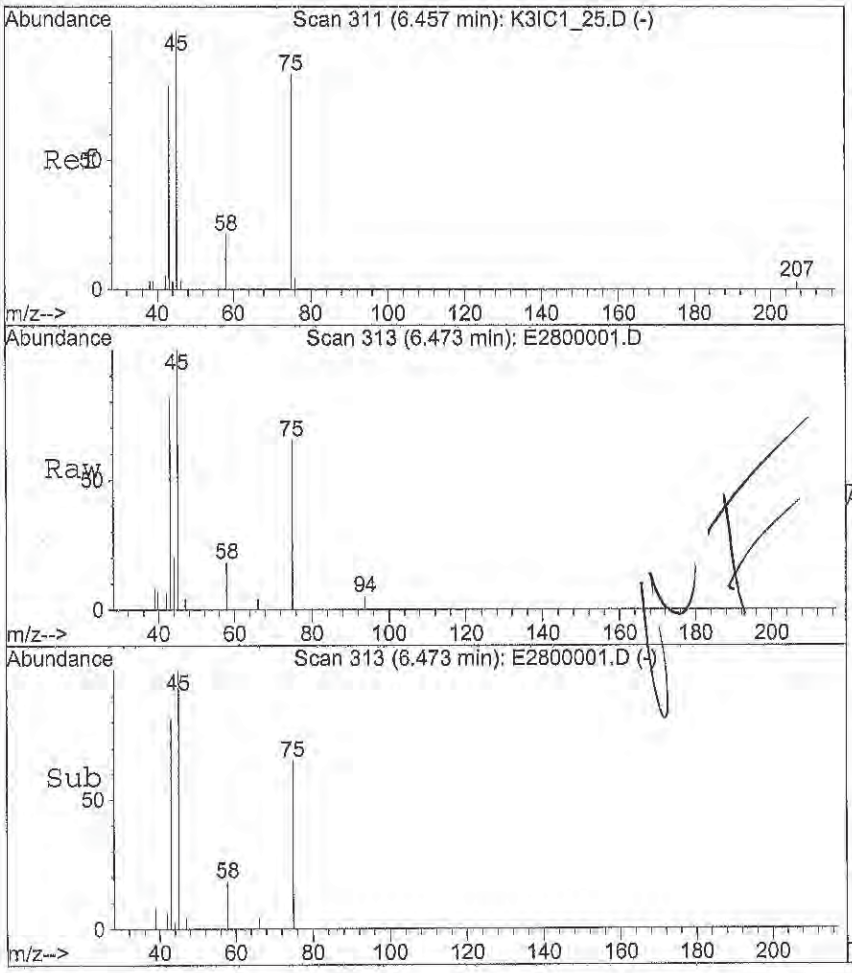


#7
Chloroethane
Concen: 1.53 ug/L
RT: 5.25 min Scan# 168
Delta R.T. 0.01 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 64 Resp: 1246

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

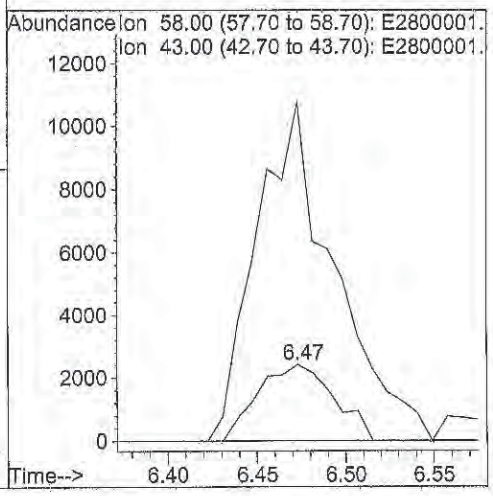


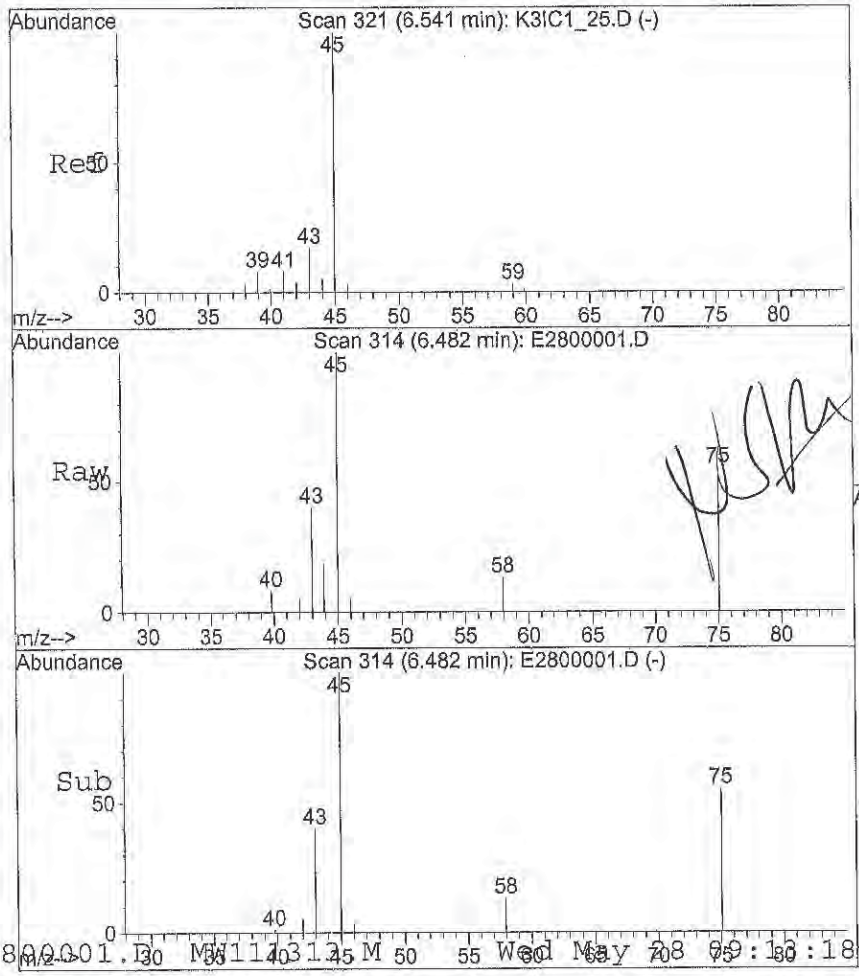


#11
Acetone
Concen: 5.54 ug/L
RT: 6.47 min Scan# 313
Delta R.T. 0.02 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 58 Resp: 7159

Ion	Ratio	Lower	Upper
58	100		
43	459.5	360.9	541.3

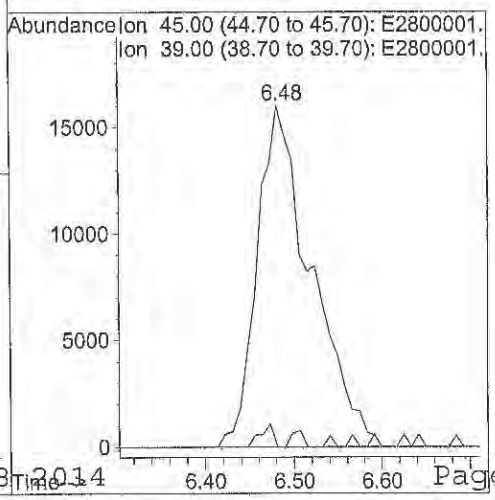


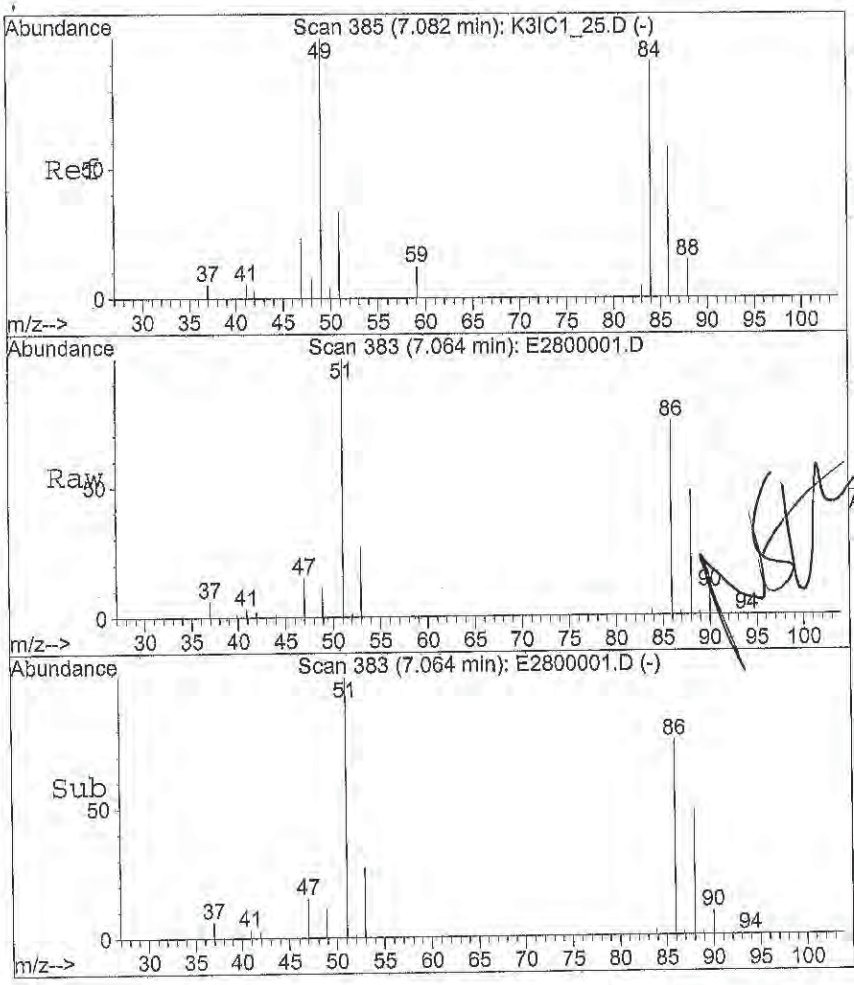


#12
(IPA) Leak Check Compound
Concen: 319.44 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.06 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 45 Resp: 67832

Ion	Ratio	Lower	Upper
45	100		
39	1.7	4.9	7.3#

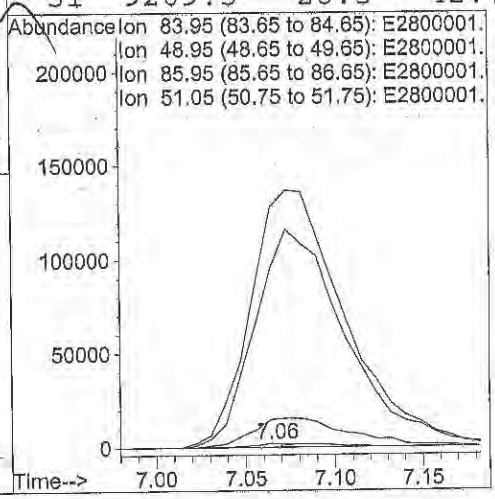


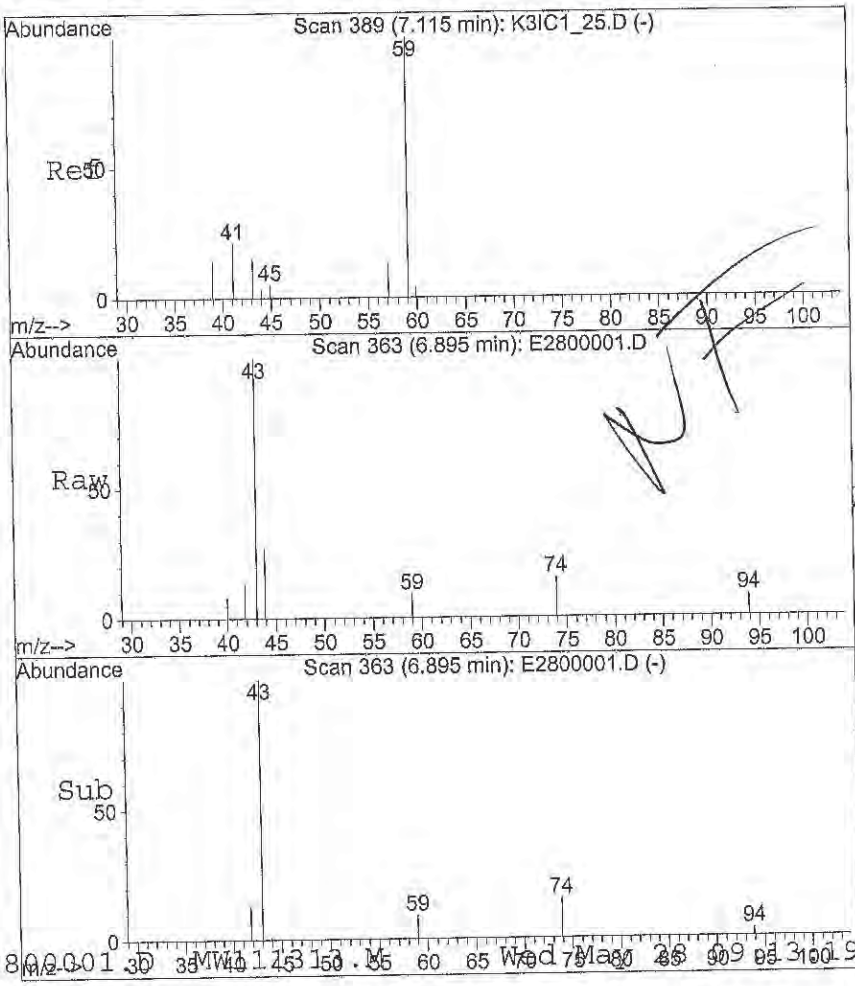


#14
Methylene Chloride
Concen: 1.13 ug/L
RT: 7.06 min Scan# 383
Delta R.T. -0.02 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 84 Resp: 5508

Ion	Ratio	Lower	Upper
84	100		
49	1049.4	89.8	134.6#
86	7519.1	51.1	76.7#
51	9209.5	28.5	42.7#

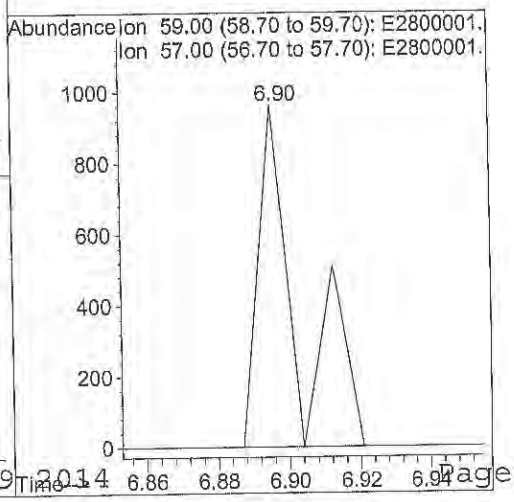


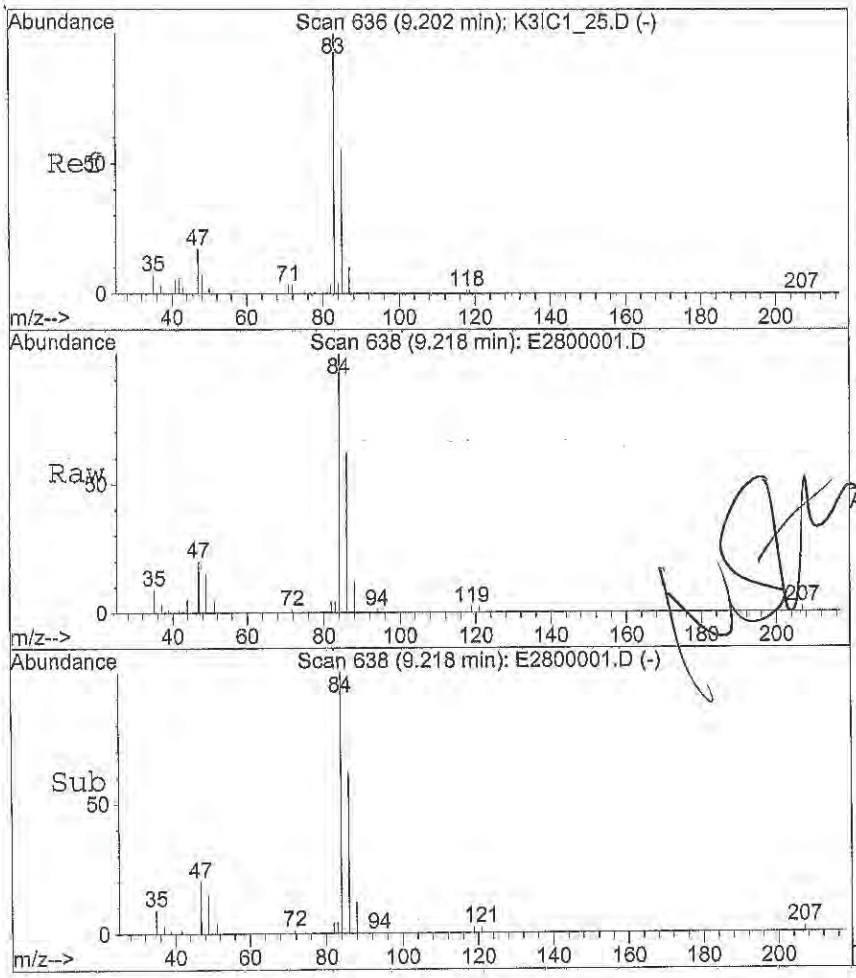


#15
(TBA) tert-Butanol
Concen: 2.48 ug/L
RT: 6.90 min Scan# 363
Delta R.T. -0.22 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 59 Resp: 746

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

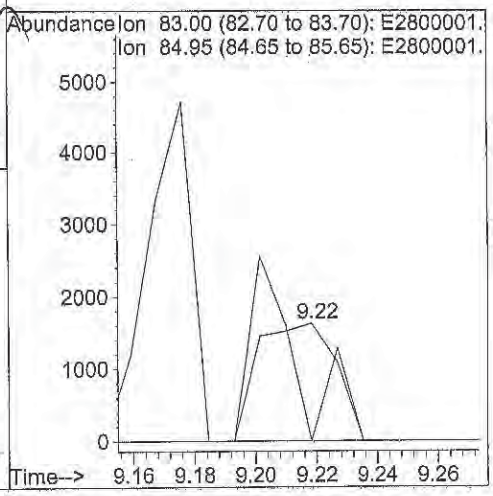


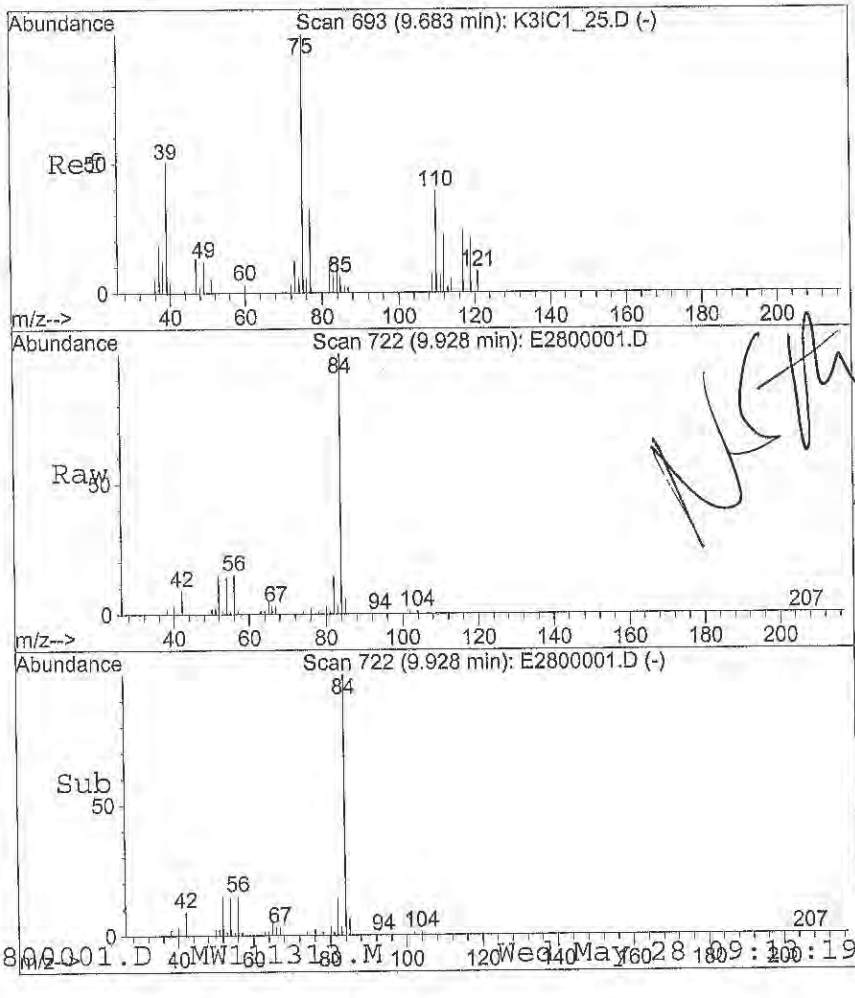


#24
Chloroform
Concen: 0.31 ug/L
RT: 9.22 min Scan# 638
Delta R.T. 0.02 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 83 Resp: 2878

Ion	Ratio	Lower	Upper
83	100		
85	96.0	51.8	77.6#

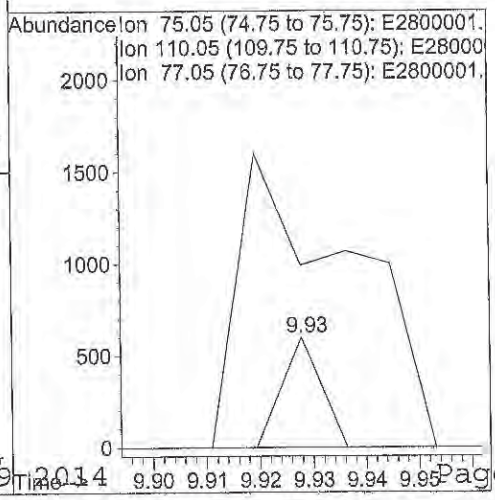


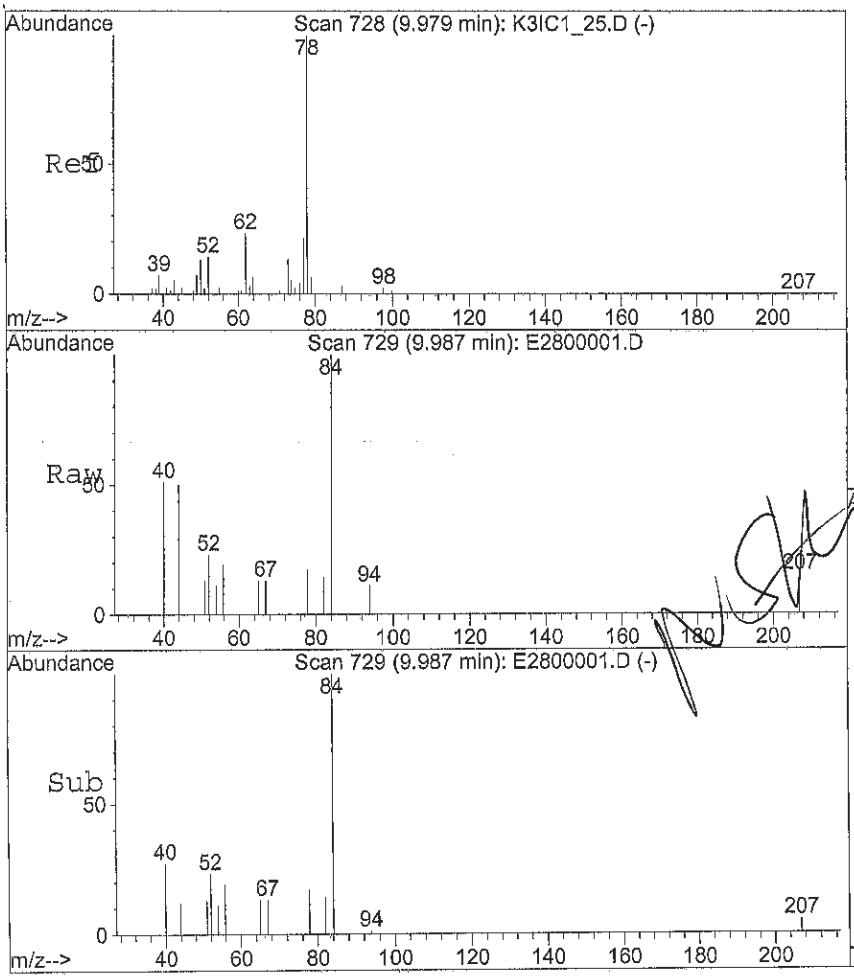


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.93 min Scan# 722
Delta R.T. 0.24 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 75 Resp: 304

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	777.6	25.0	37.4#

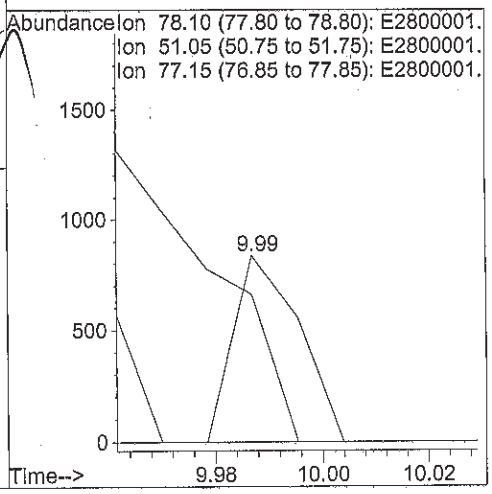


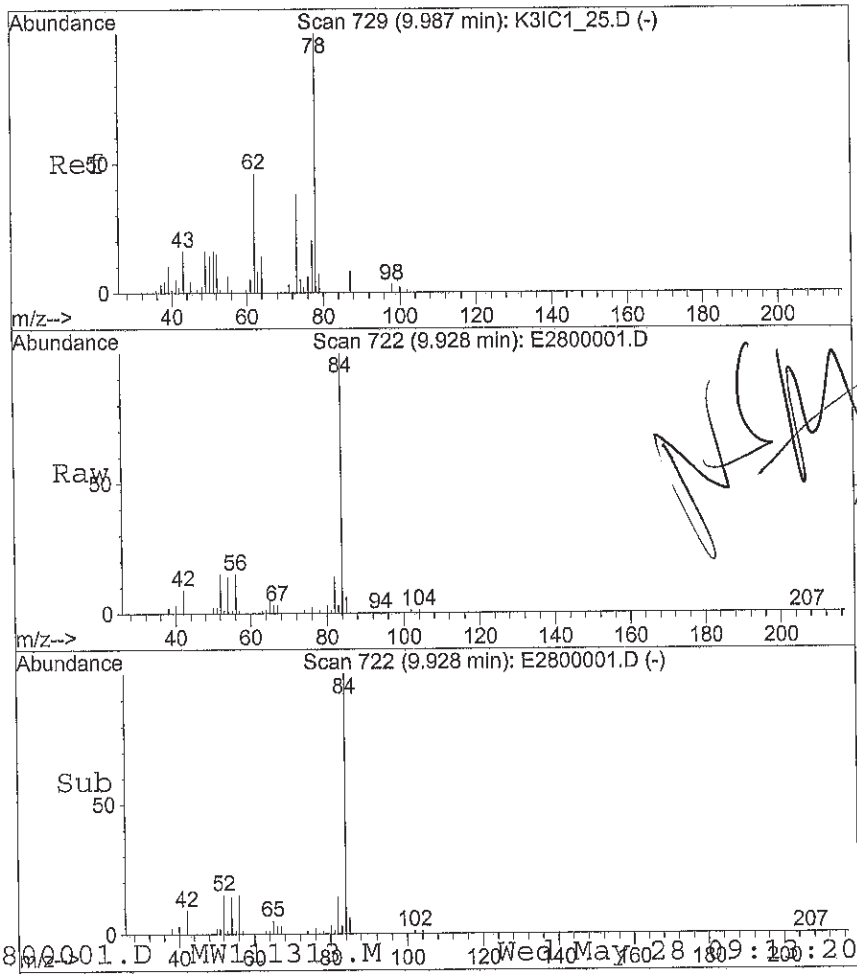


#31
Benzene
Concen: 0.04 ug/L
RT: 9.99 min Scan# 729
Delta R.T. 0.01 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 78 Resp: 706

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

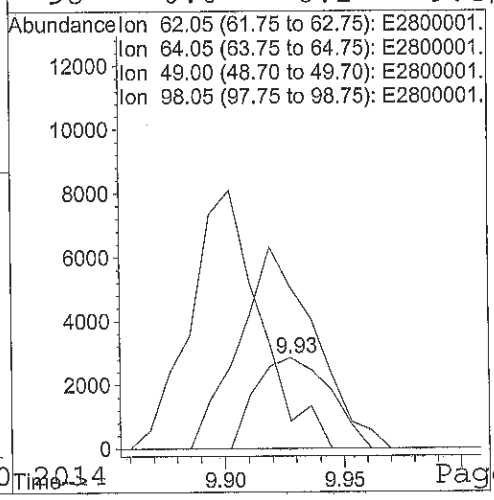


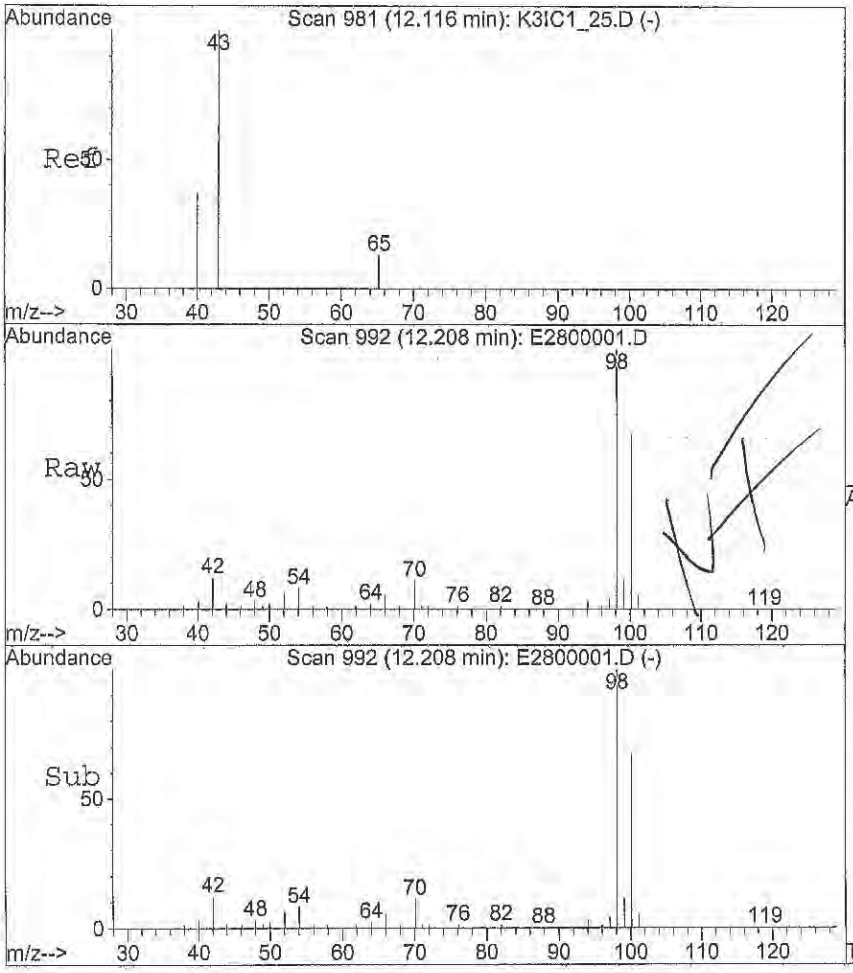


#32
1,2-Dichloroethane
Concen: 1.05 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.06 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 62 Resp: 6196

Ion	Ratio	Lower	Upper
62	100		
64	226.1	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

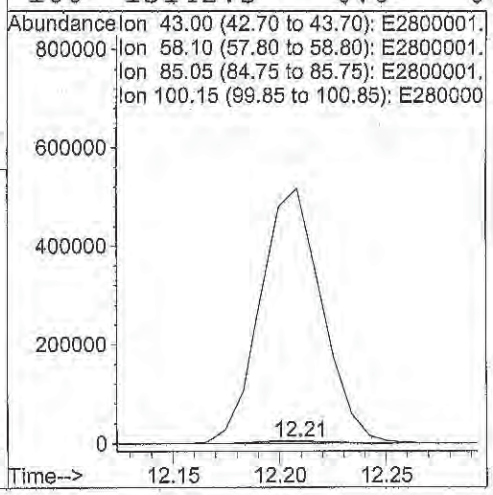


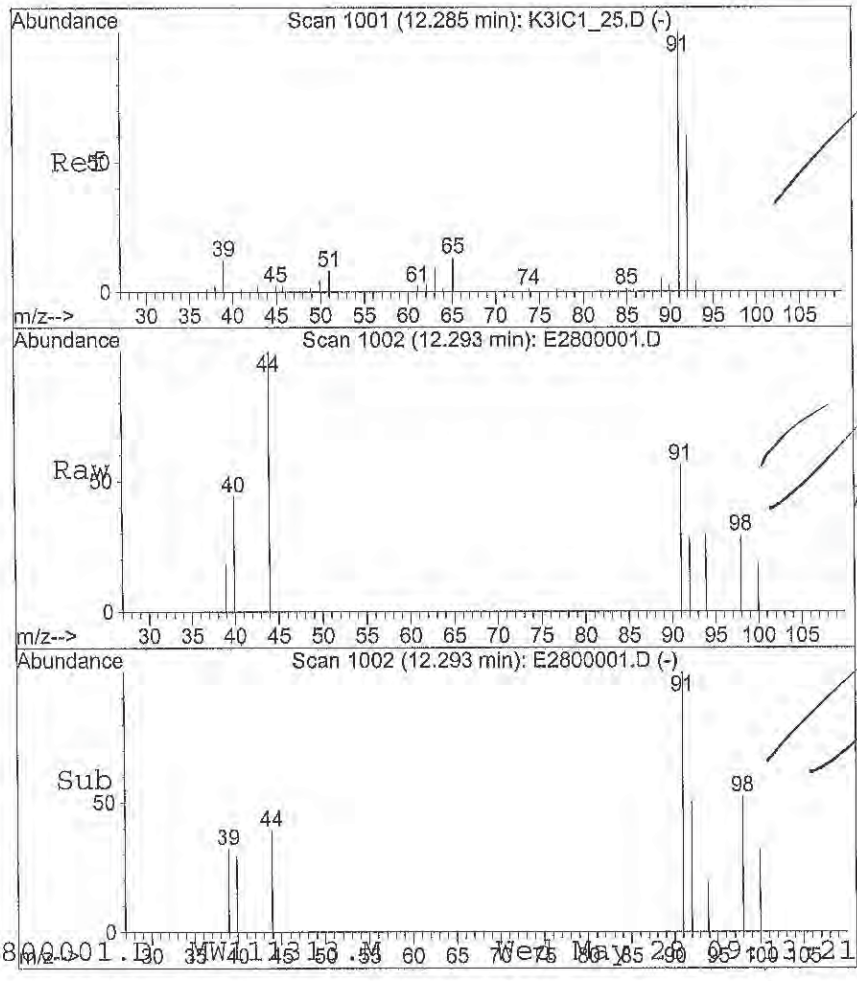


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.96 ug/L
RT: 12.21 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 43 Resp: 7862

Ion	Ratio	Lower	Upper
43	100		
58	149.7	0.0	0.0#
85	0.0	0.0	0.0
100	13142.5	0.0	0.0#

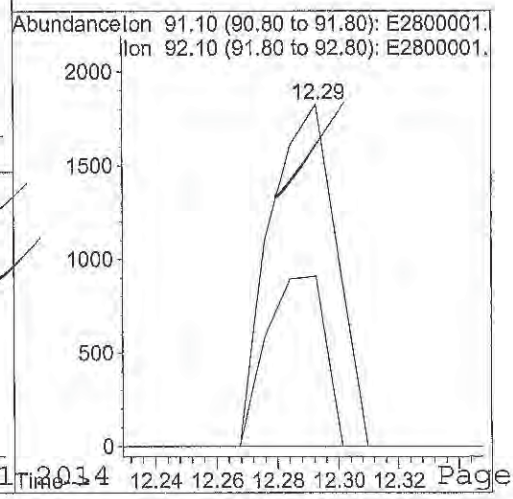


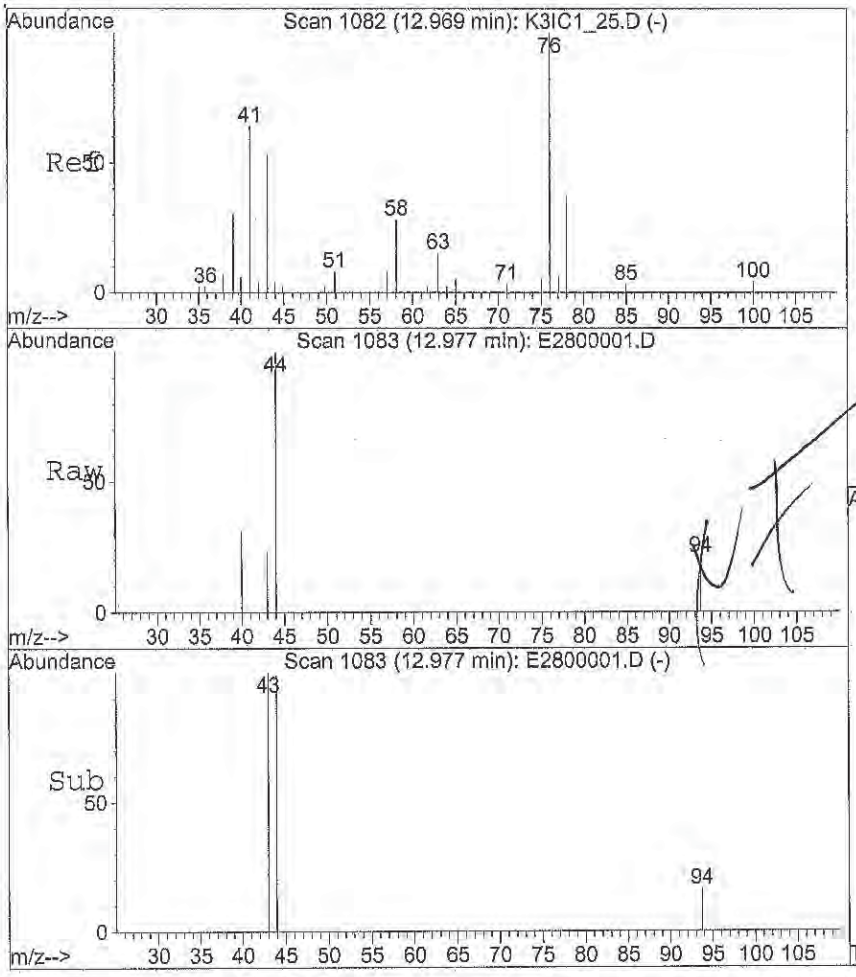


#41
Toluene
Concen: 0.15 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.01 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 91 Resp: 2749

Ion	Ratio	Lower	Upper
91	100		
92	43.9	47.4	71.0#

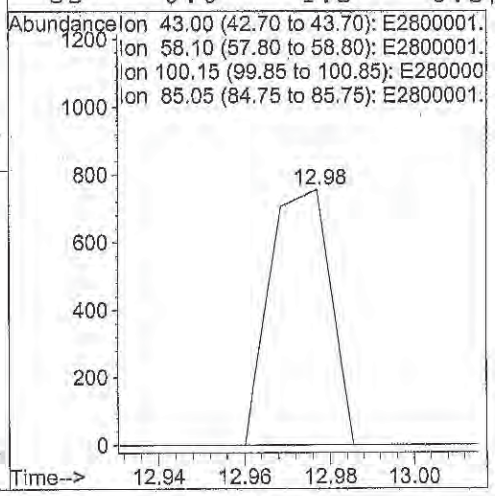


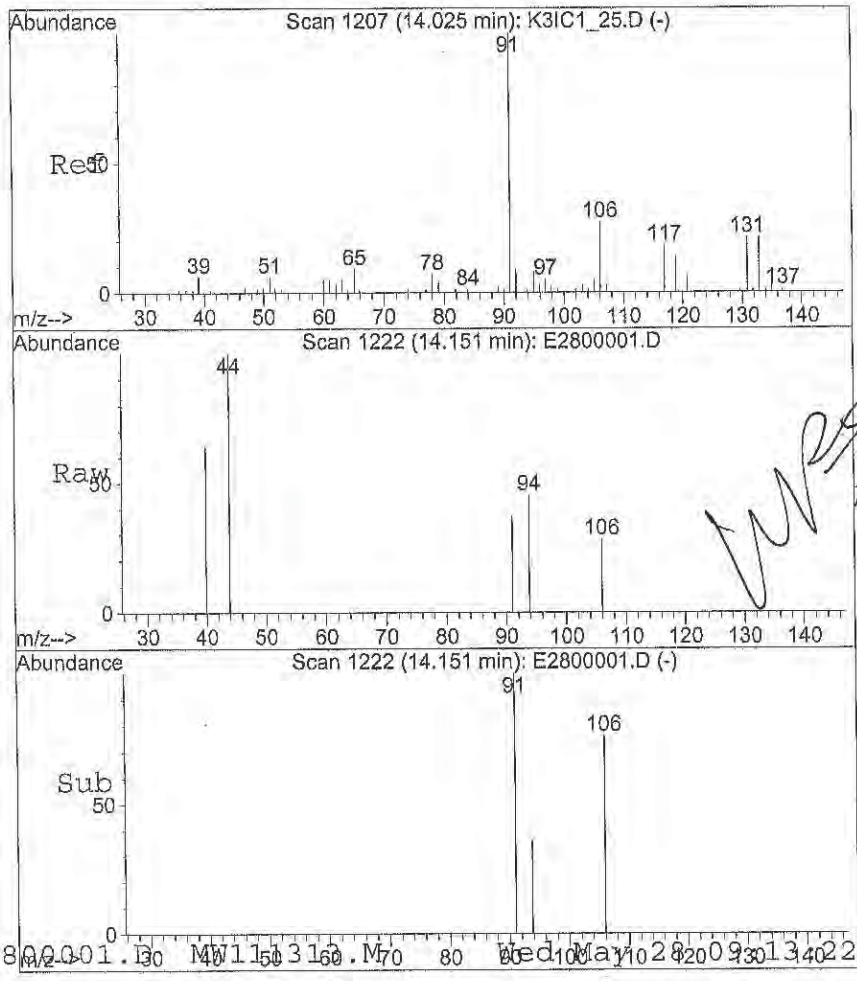


#46
2-Hexanone
Concen: 0.25 ug/L
RT: 12.98 min Scan# 1083
Delta R.T. 0.01 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 43 Resp: 741

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

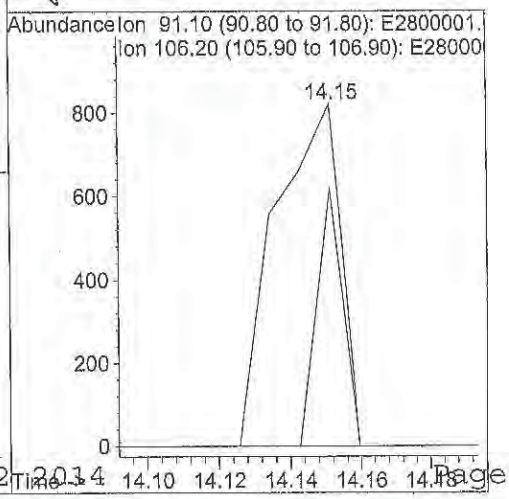


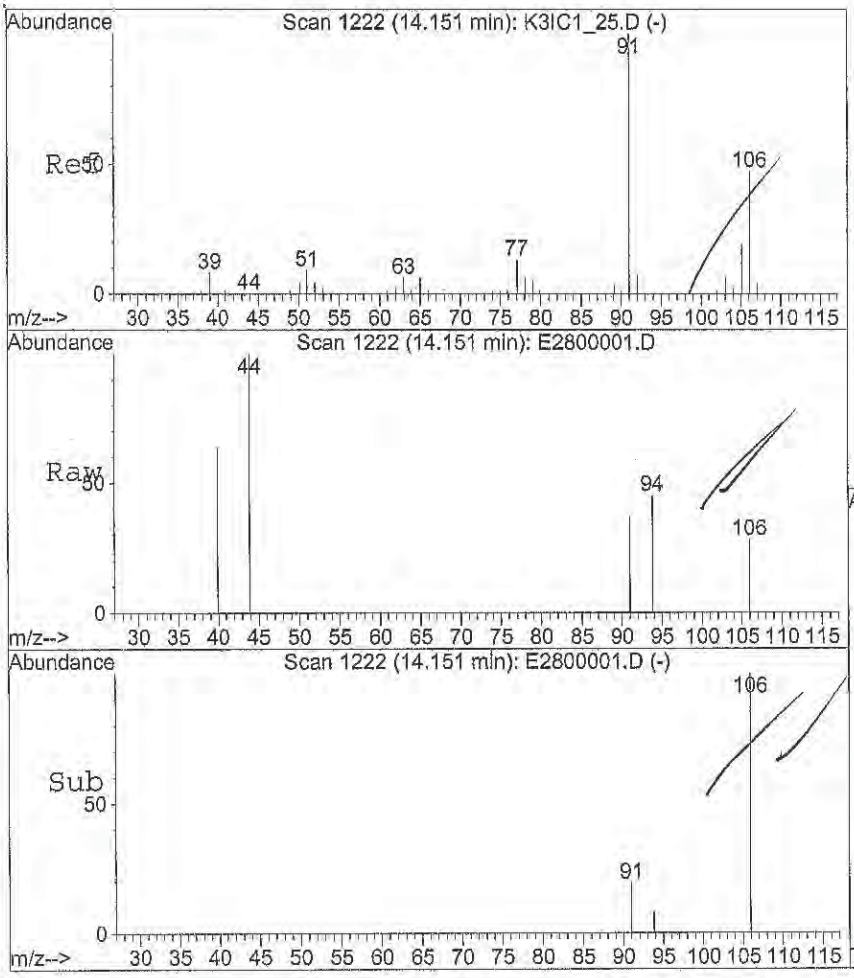


#51
Ethylbenzene
Concen: 0.05 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. 0.13 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 91 Resp: 1034

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.5	35.3

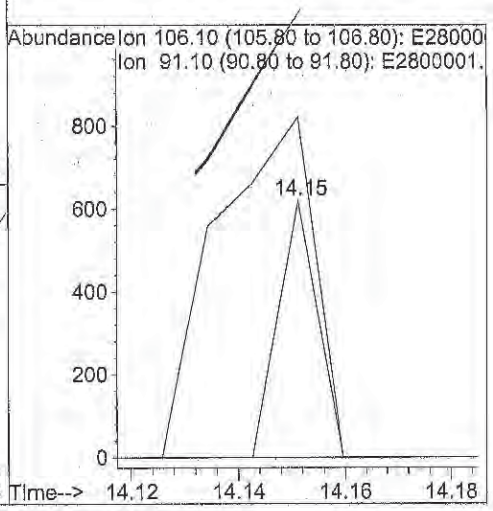


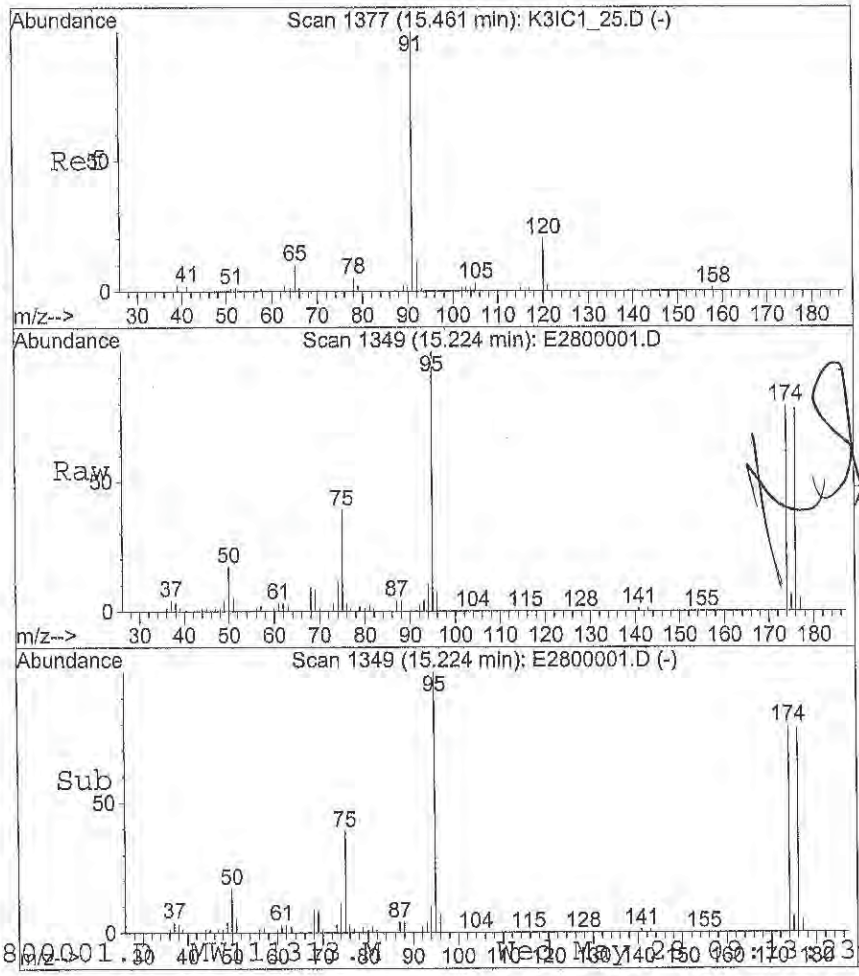


#52
m,p-Xylenes
Concen: 0.04 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.00 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion:106 Resp: 314

Ion	Ratio	Lower	Upper
106	100		
91	329.3	177.1	265.7#

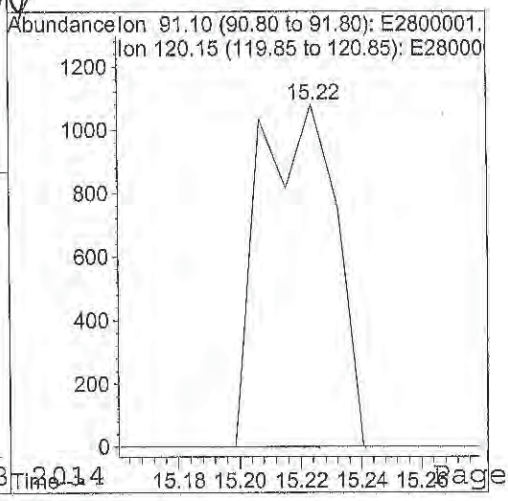


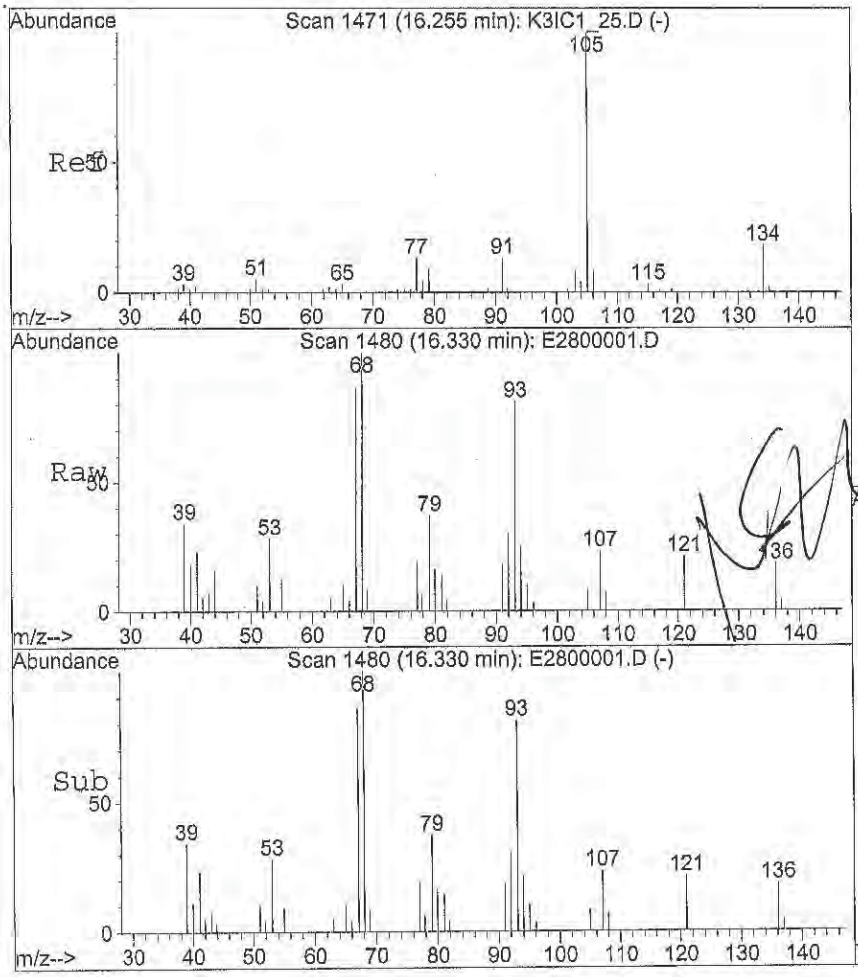


#62
n-Propylbenzene
Concen: 0.07 ug/L
RT: 15.22 min Scan# 1349
Delta R.T. -0.24 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 91 Resp: 1869

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

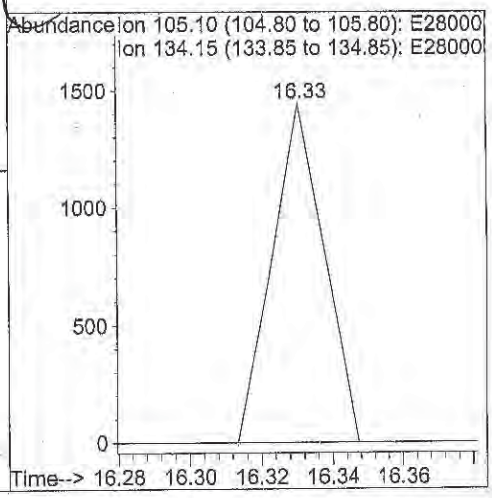


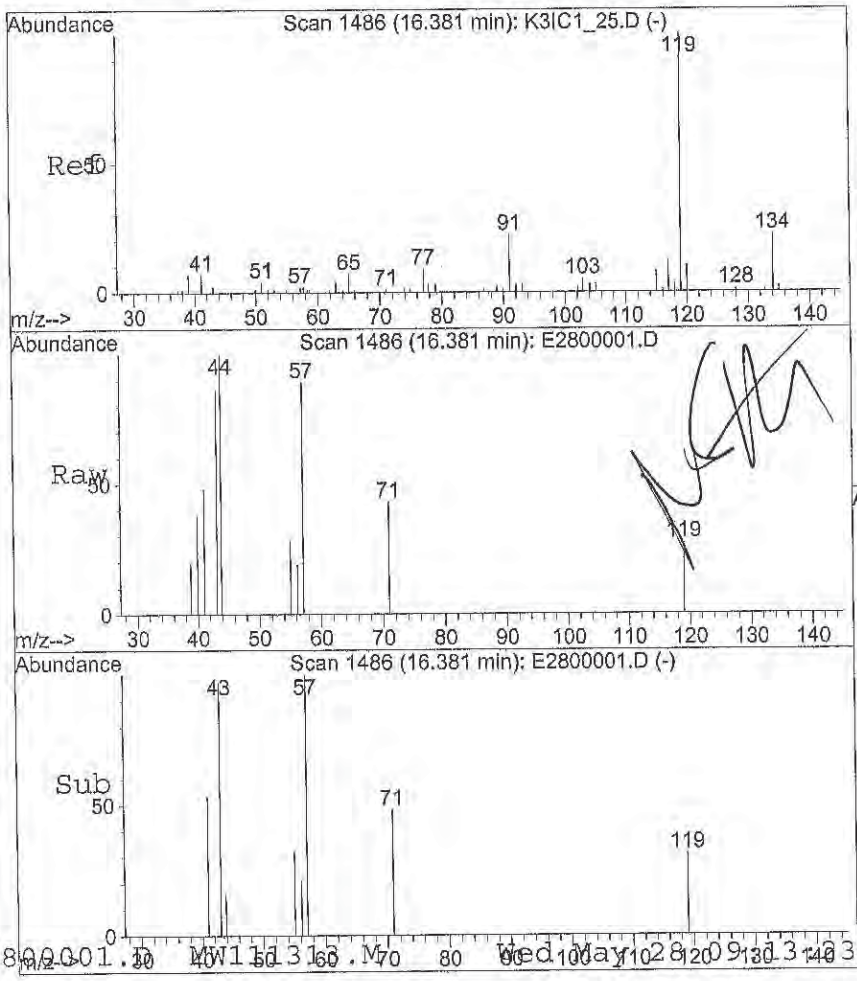


#68
sec-Butylbenzene
Concen: 0.06 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion:105 Resp: 1441

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

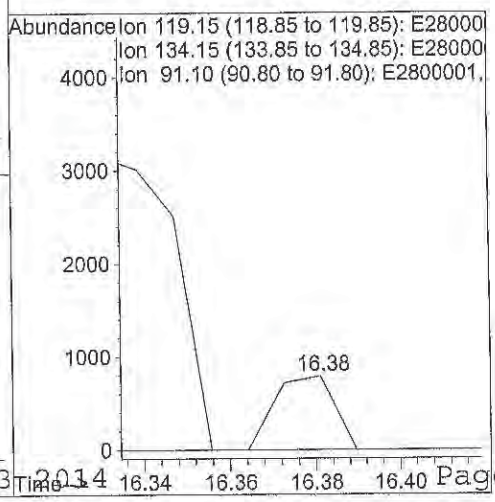


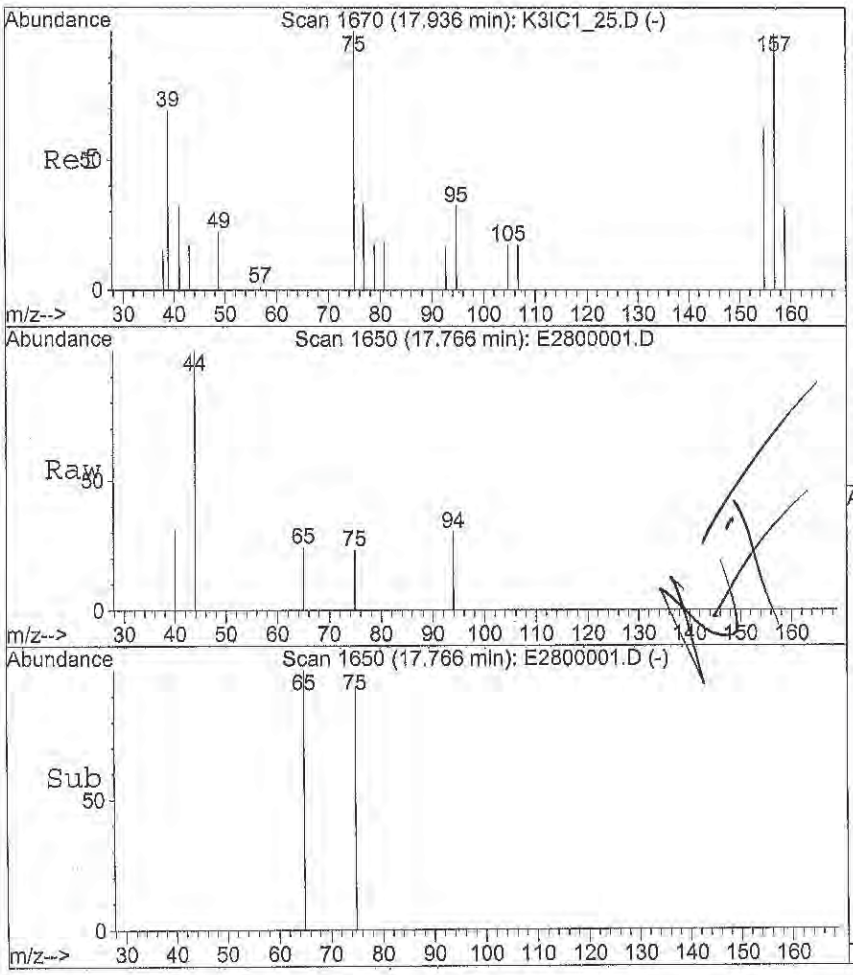


#69
p-Isopropyltoluene
Concen: 0.04 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion:119 Resp: 764

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#

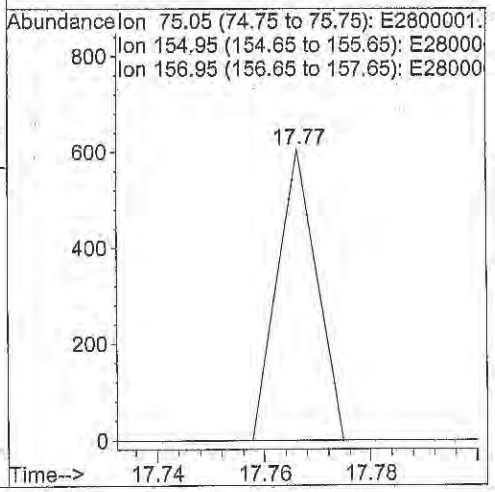


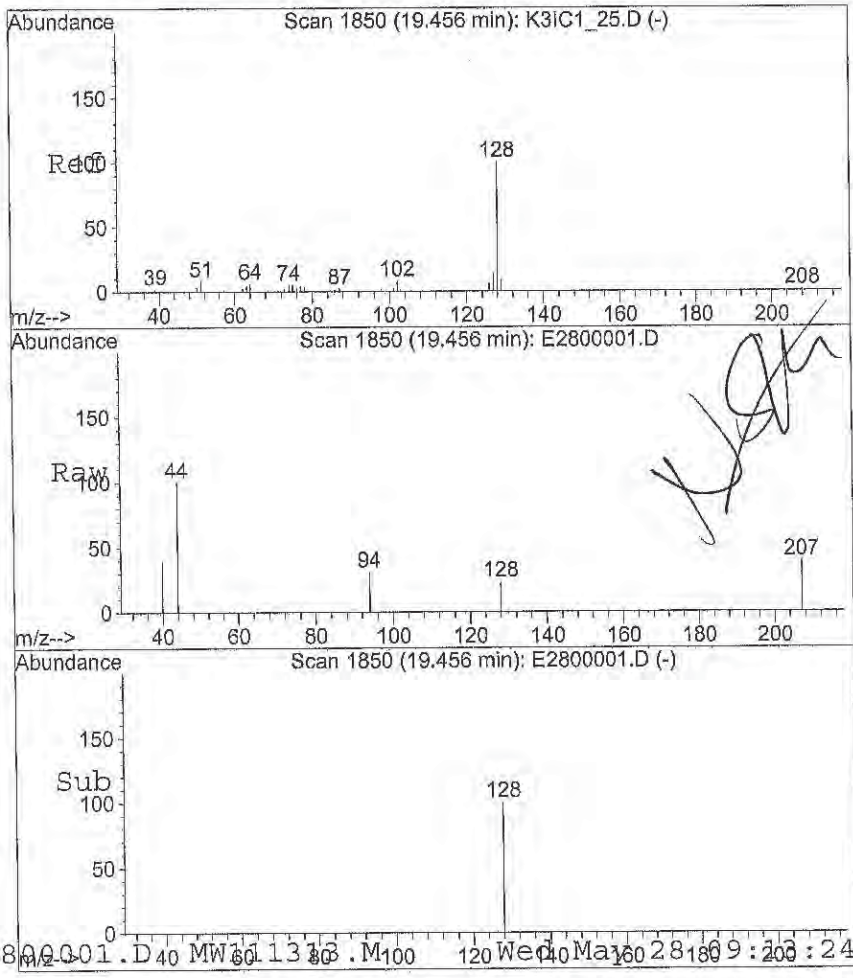


#74
1,2-Dibromo-3-chloropropane
Concen: 1.27 ug/L
RT: 17.77 min Scan# 1650
Delta R.T. -0.17 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion: 75 Resp: 307

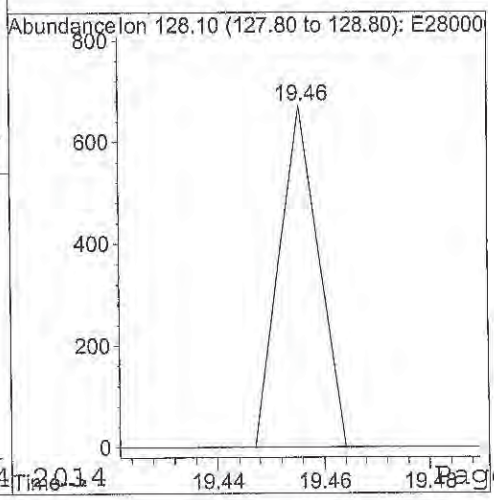
Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.2	88.8#
157	0.0	77.0	115.6#





#77
Naphthalene
Concen: 0.02 ug/L
RT: 19.46 min Scan# 1850
Delta R.T. -0.00 min
Lab File: E2800001.D
Acq: 28 May 2014 8:13 am

Tgt Ion:128 Resp: 341



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800001.D Vial: 11
Acq On : 28 May 2014 8:13 am Operator: DN
Sample : 3E42801-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:12 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1767160	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1332346	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	691087	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	484006	10.53	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 84.24%			
3) Chloroform-d (SU6)	9.18	84	734985	11.15	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.20%			
4) Methylene Chloride-d2 (SU5	7.07	86	414154	10.75	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 86.00%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	470035	14.97	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 119.76%			
6) Benzene-d6 (SU7)	9.93	84	1424963	10.28	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 82.24%			
8) Toluene-d8 (SU3)	12.21	98	1528587	12.09	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.72%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	724152	13.88	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 111.04%			

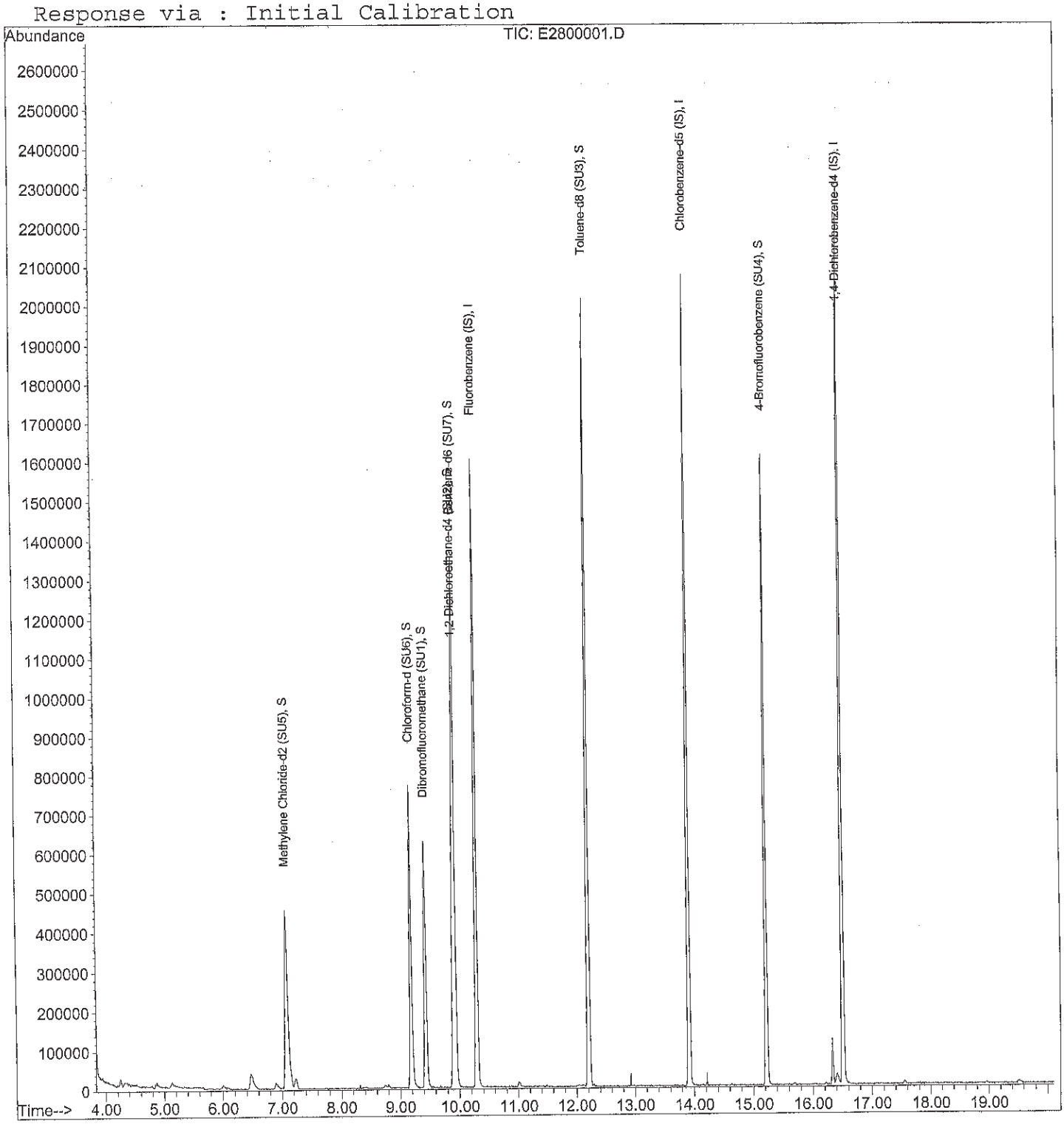
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800001.D Vial: 11
Acq On : 28 May 2014 8:13 am Operator: DN
Sample : 3E42801-01 Inst : GC/MS Ins
Misc : 100cc Equipment Blank Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:12 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800002.D Vial: 1
Acq On : 28 May 2014 8:47 am Operator: DN
Sample : 3E42801-02 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:14 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

AF

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1628814	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1280080	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	672692	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	473247	11.65	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.20%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	471749	12.22	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.76%			
39) Toluene-d8 (SU3)	12.21	98	1410542	11.81	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.48%			
58) 4-Bromofluorobenzene (SU4)	15.21	95	700102	13.37	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 106.96%			

Target Compounds						Qvalue
3) (F12) Dichlorodifluorometh	4.17	85	309	0.08	ug/L #	44
4) Chloromethane	4.39	50	1164	-0.80	ug/L #	41
6) Bromomethane	5.11	96	1662	-0.85	ug/L #	1
7) Chloroethane	5.25	64	4511	4.02	ug/L #m	32
11) Acetone	6.46	58	7704	7.45	ug/L	88
12) (IPA) Leak Check Compound	6.49	45	93153	475.94	ug/L #m	83
13) Carbon disulfide	6.85	76	1311	0.10	ug/L #	76
14) Methylene Chloride	7.09	84	6524	1.46	ug/L #	1
15) (TBA) tert-Butanol	6.95	59	354	1.27	ug/L #	77
24) Chloroform	9.23	83	1652	0.19	ug/L #	18
29) 1,1-Dichloropropene	9.94	75	777	0.12	ug/L #m	1
31) Benzene	9.99	78	1147	0.07	ug/L #	79
32) 1,2-Dichloroethane	9.92	62	6151	1.13	ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	7286	2.85	ug/L #	100
41) Toluene	12.29	91	4573	0.26	ug/L #	0.00528
46) 2-Hexanone	12.97	43	415	0.15	ug/L #	37
51) Ethylbenzene	14.02	91	3307	0.17	ug/L #m	45
52) m,p-Xylenes	14.15	106	2542	0.36	ug/L	0.007 99
53) o-Xylene	14.62	106	1697	0.24	ug/L	0.0048 90
54) Styrene	14.62	104	1312	-0.75	ug/L #	41
56) Isopropylbenzene	15.21	105	1657	0.09	ug/L #	1
62) n-Propylbenzene	15.46	91	832	0.03	ug/L #	56

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800002.D Vial: 1
Acq On : 28 May 2014 8:47 am Operator: DN
Sample : 3E42801-02 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:14 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63) 2-Chlorotoluene	15.46	91	832	0.05	~~ug/L~~ #	45
64) 1,3,5-Trimethylbenzene	15.54	105	648	0.04	~~ug/L~~ #	31
67) 1,2,4-Trimethylbenzene	16.06	105	1569	0.09	~~ug/L~~ #	33
68) sec-Butylbenzene	16.33	105	2565	0.11	~~ug/L~~ #	62
69) p-Isopropyltoluene	16.38	119	1963	0.11	~~ug/L~~ #	52

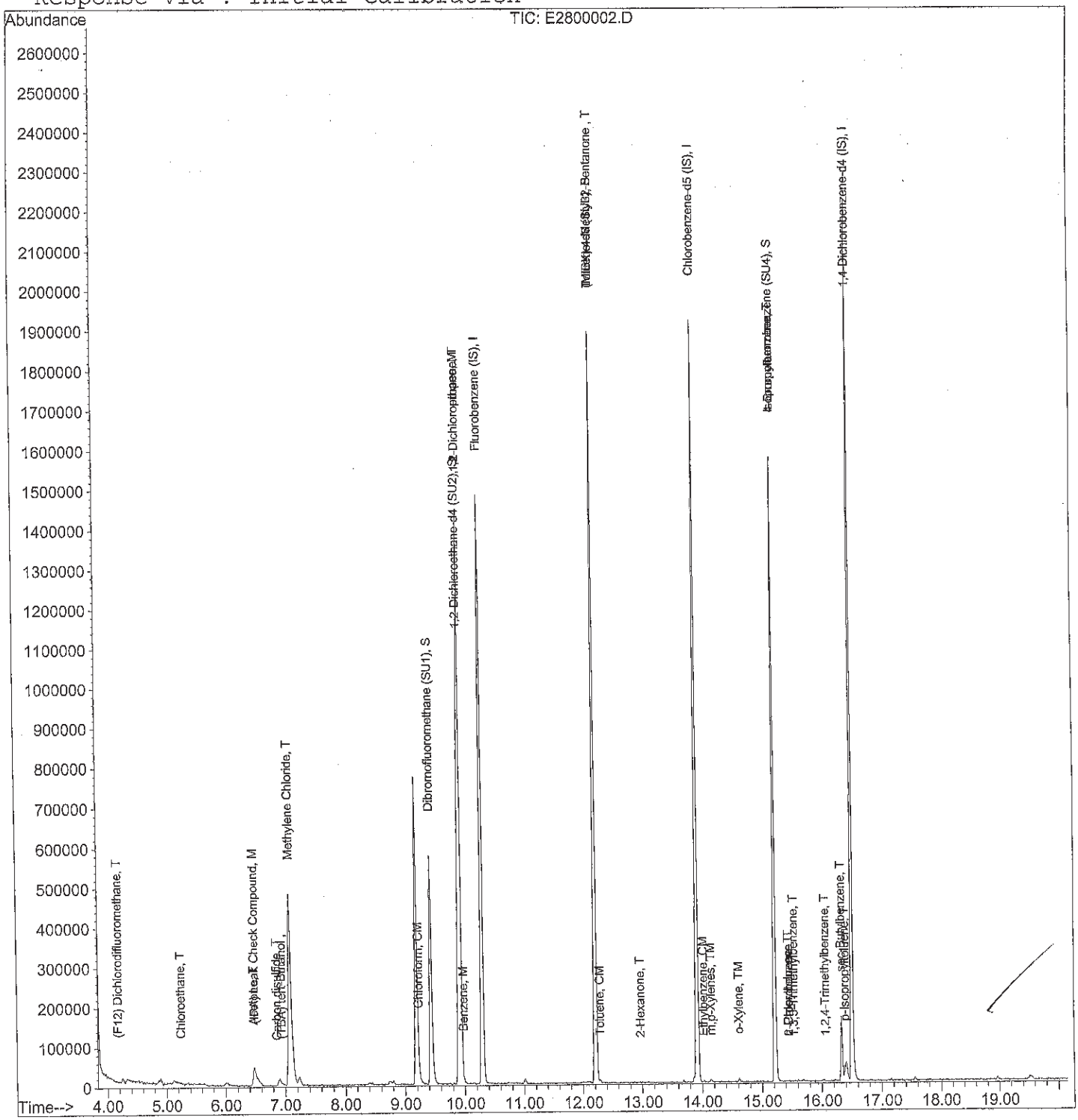
NSV

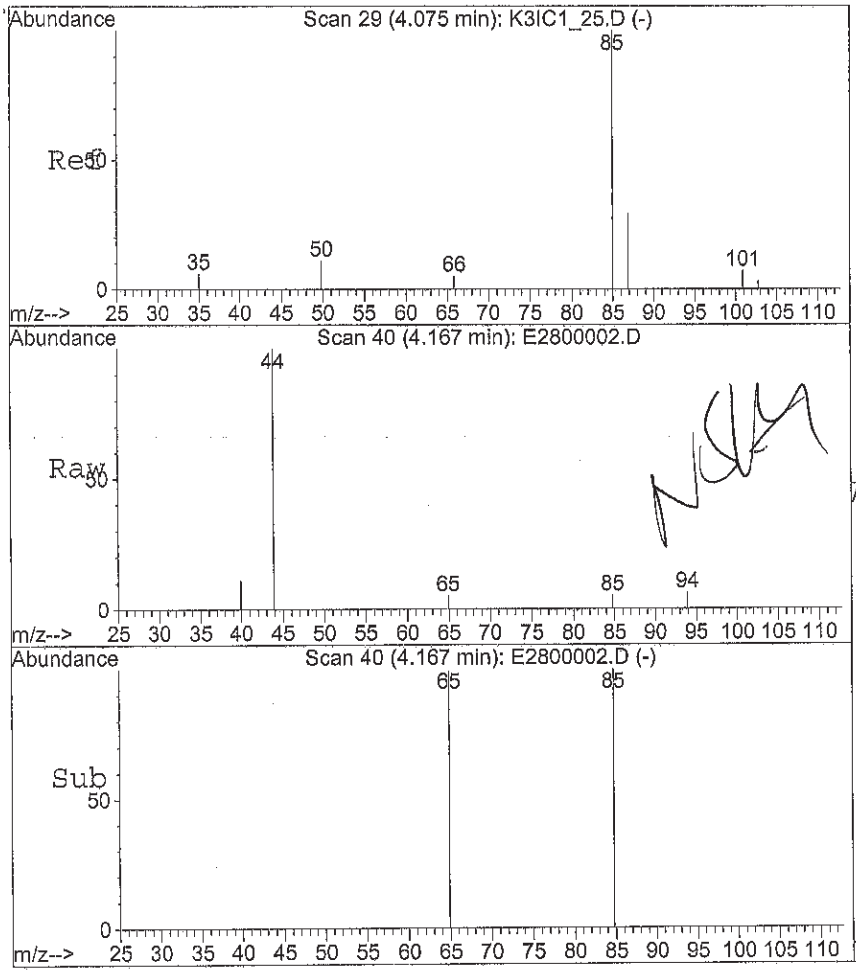
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800002.D Vial: 1
Acq On : 28 May 2014 8:47 am Operator: DN
Sample : 3E42801-02 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:14 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

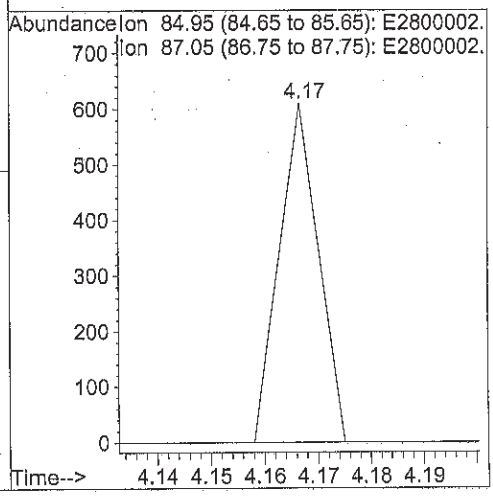


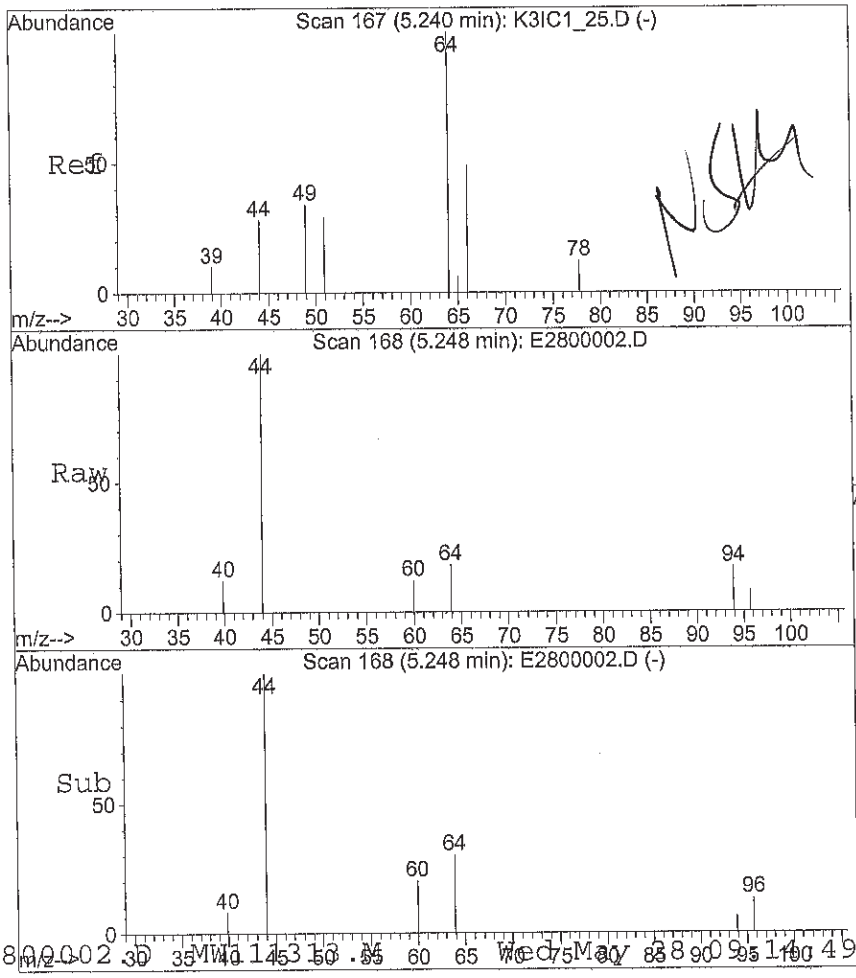


#3
(F12) Dichlorodifluoromethane
Concen: 0.08 ug/L
RT: 4.17 min Scan# 40
Delta R.T. 0.09 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 85 Resp: 309

Ion	Ratio	Lower	Upper
85	100		
87	0.0	24.6	37.0#

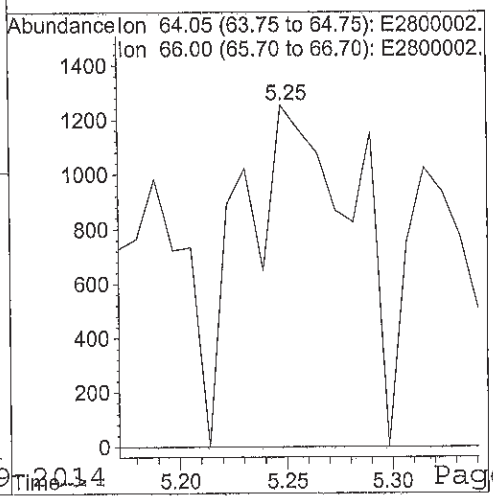


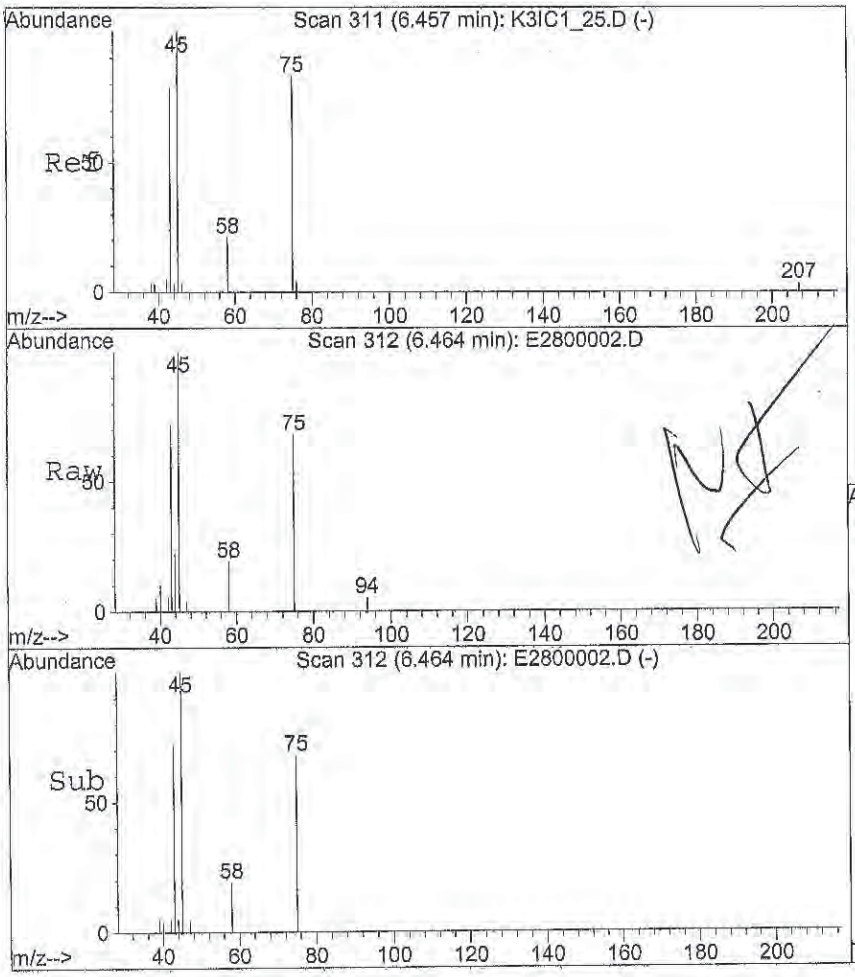


#7
Chloroethane
Concen: 4.02 ug/L
RT: 5.25 min Scan# 168
Delta R.T. 0.01 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 64 Resp: 4511

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

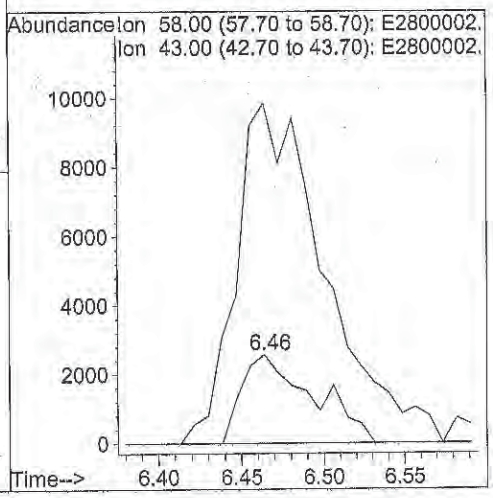


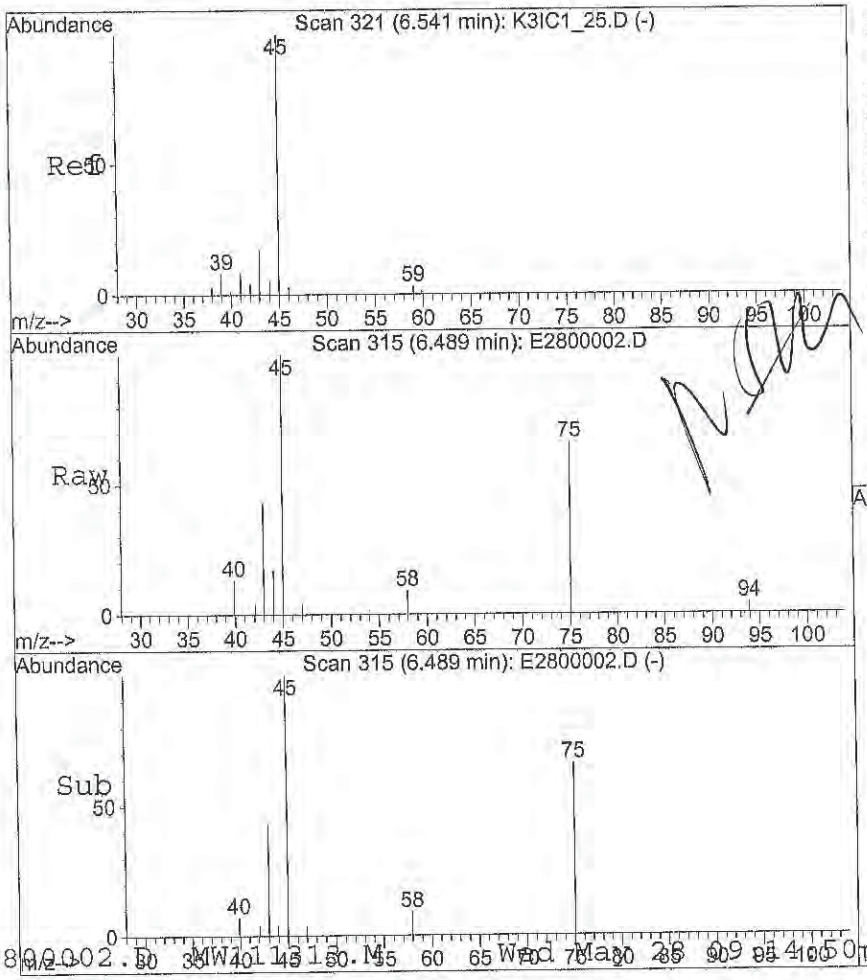


#11
Acetone
Concen: 7.45 ug/L
RT: 6.46 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 58 Resp: 7704

Ion	Ratio	Lower	Upper
58	100		
43	480.8	360.9	541.3

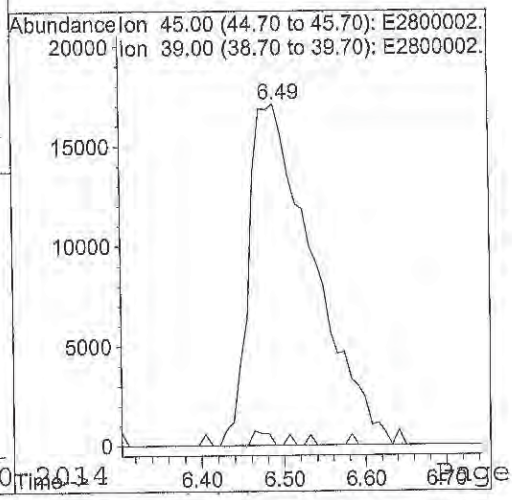


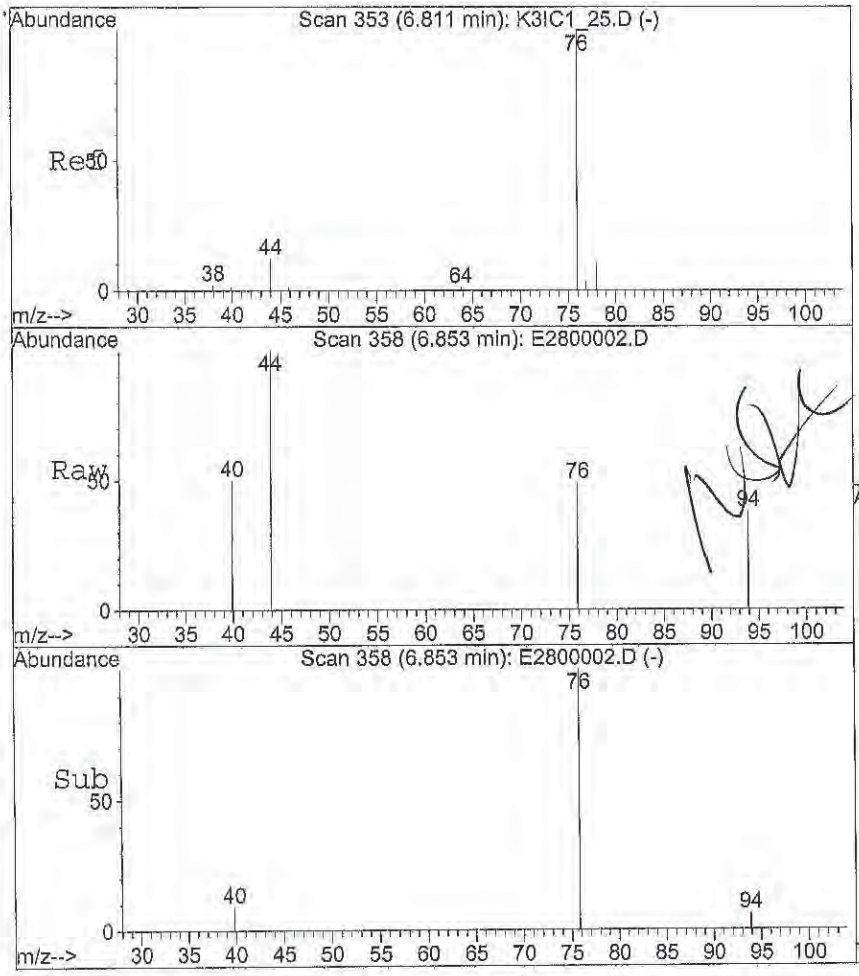


#12
(IPA) Leak Check Compound
Concen: 475.94 ug/L
RT: 6.49 min Scan# 315
Delta R.T. -0.05 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 45 Resp: 93153

Ion	Ratio	Lower	Upper
45	100		
39	0.3	4.9	7.3#

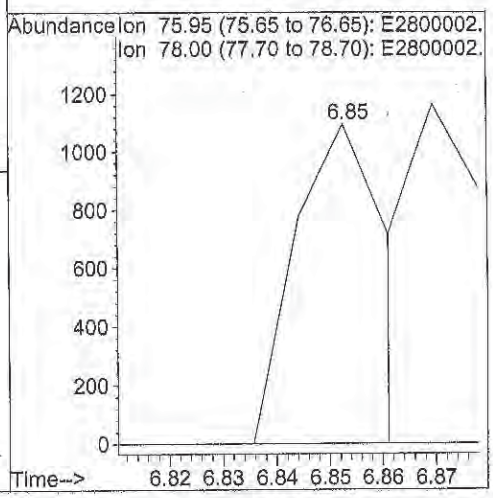


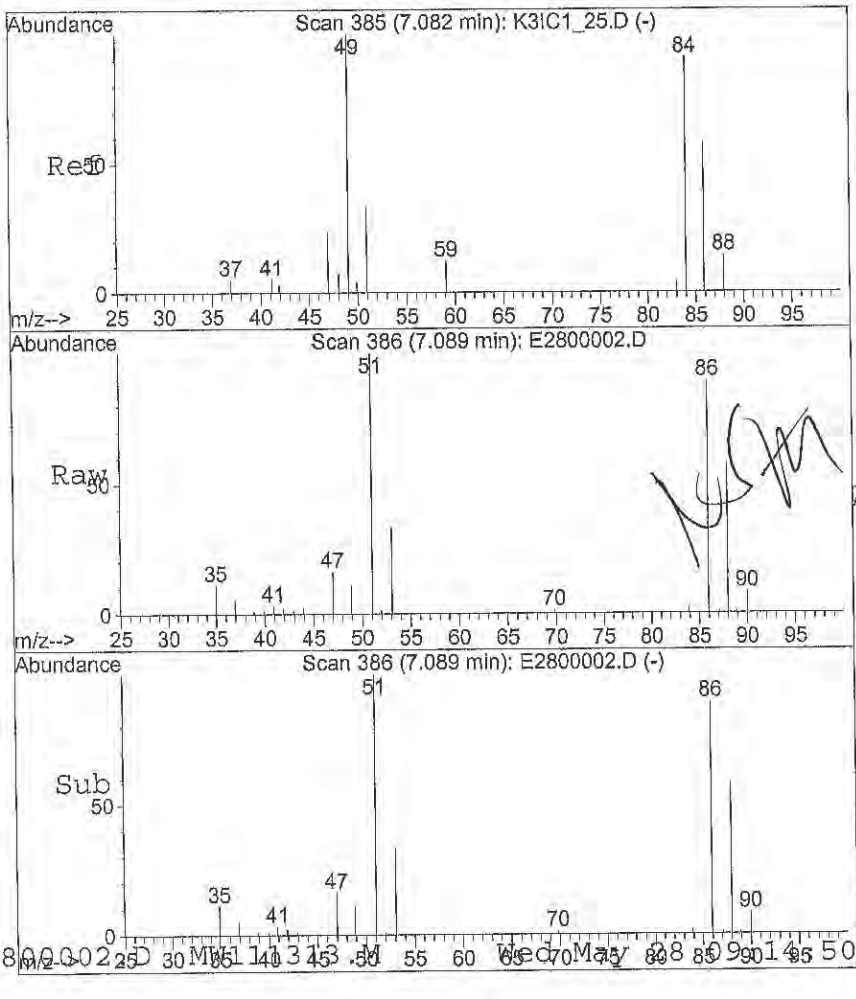


#13
Carbon disulfide
Concen: 0.10 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 76 Resp: 1311

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

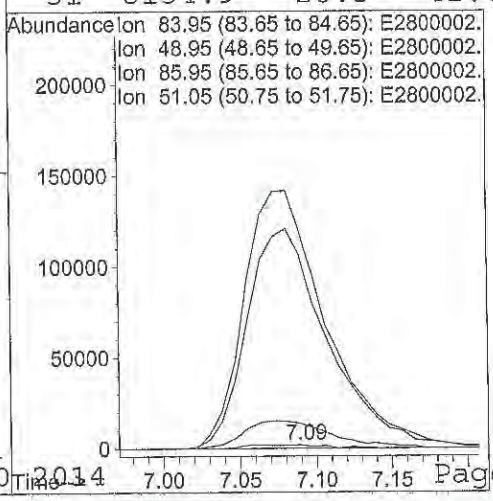


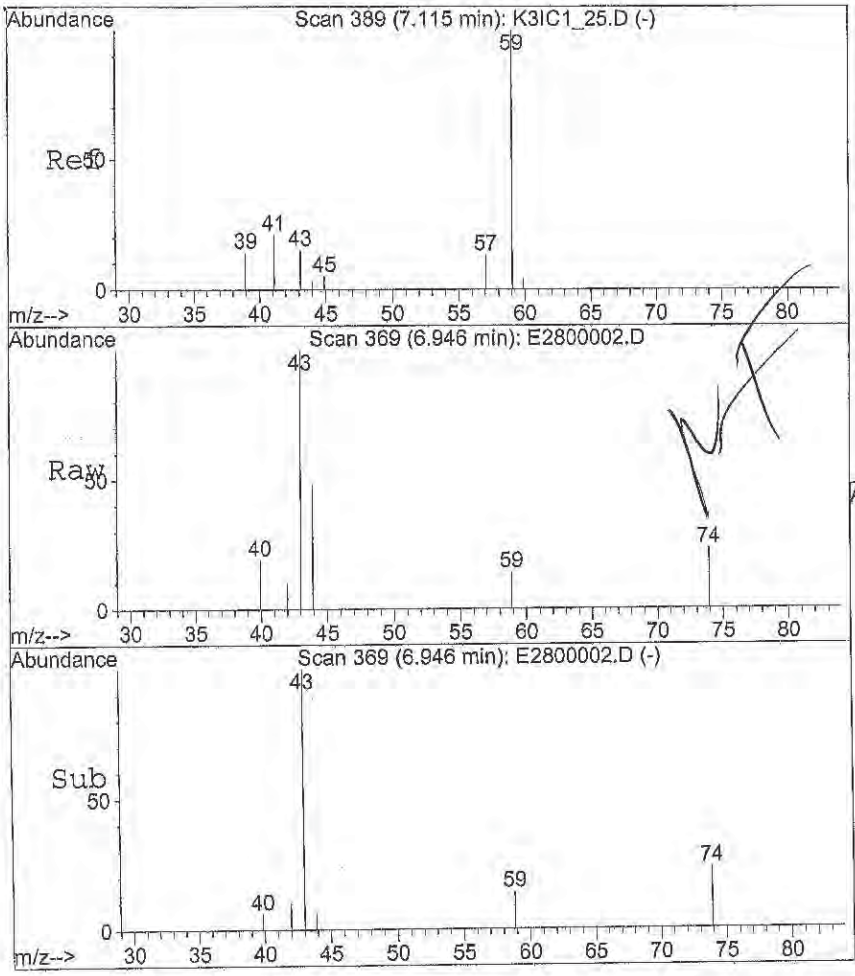


#14
Methylene Chloride
Concen: 1.46 ug/L
RT: 7.09 min Scan# 386
Delta R.T. 0.01 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 84 Resp: 6524

Ion	Ratio	Lower	Upper
84	100		
49	917.0	89.8	134.6#
86	6838.7	51.1	76.7#
51	8134.9	28.5	42.7#

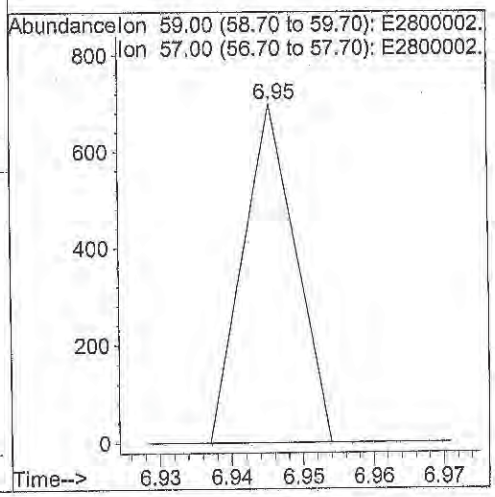


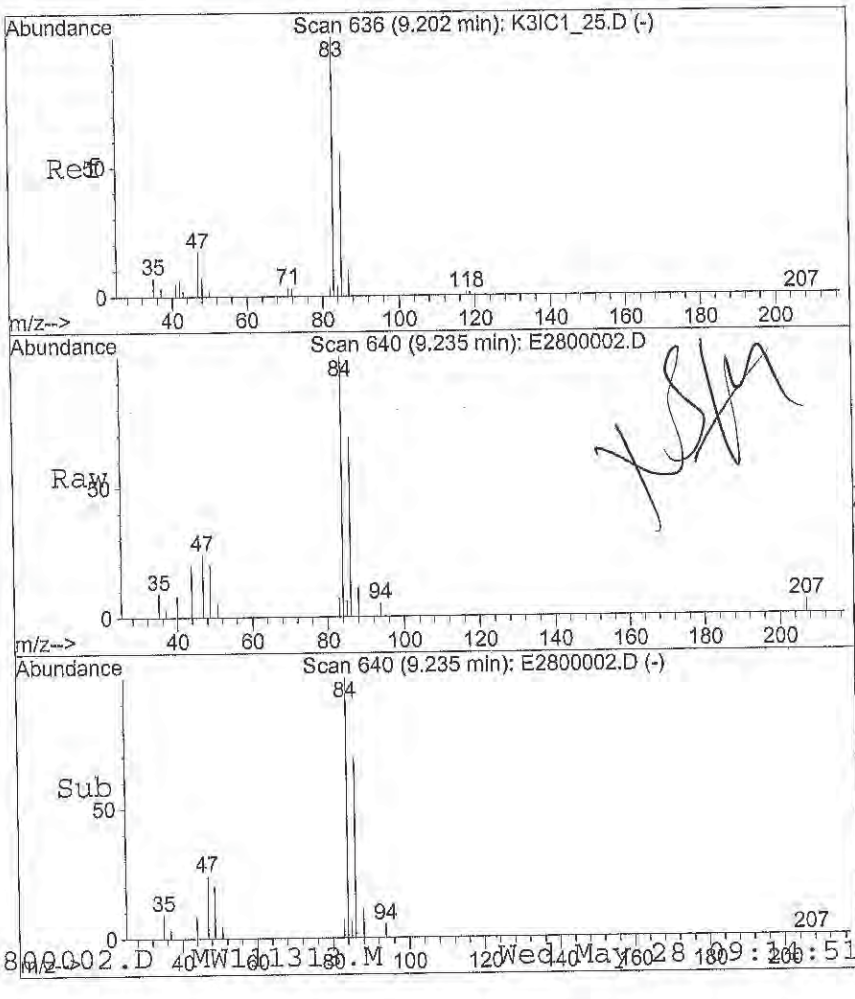


#15
(TBA) tert-Butanol
Concen: 1.27 ug/L
RT: 6.95 min Scan# 369
Delta R.T. -0.17 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 59 Resp: 354

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

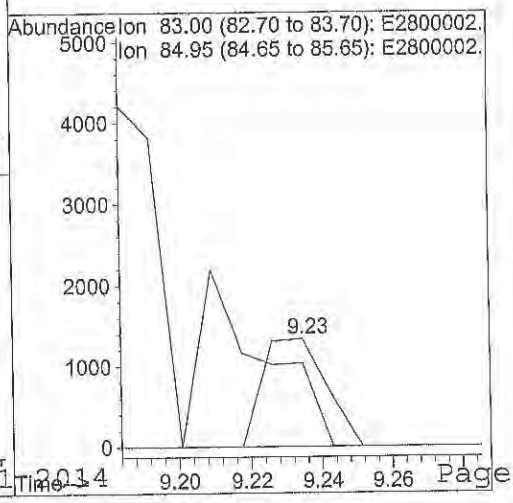


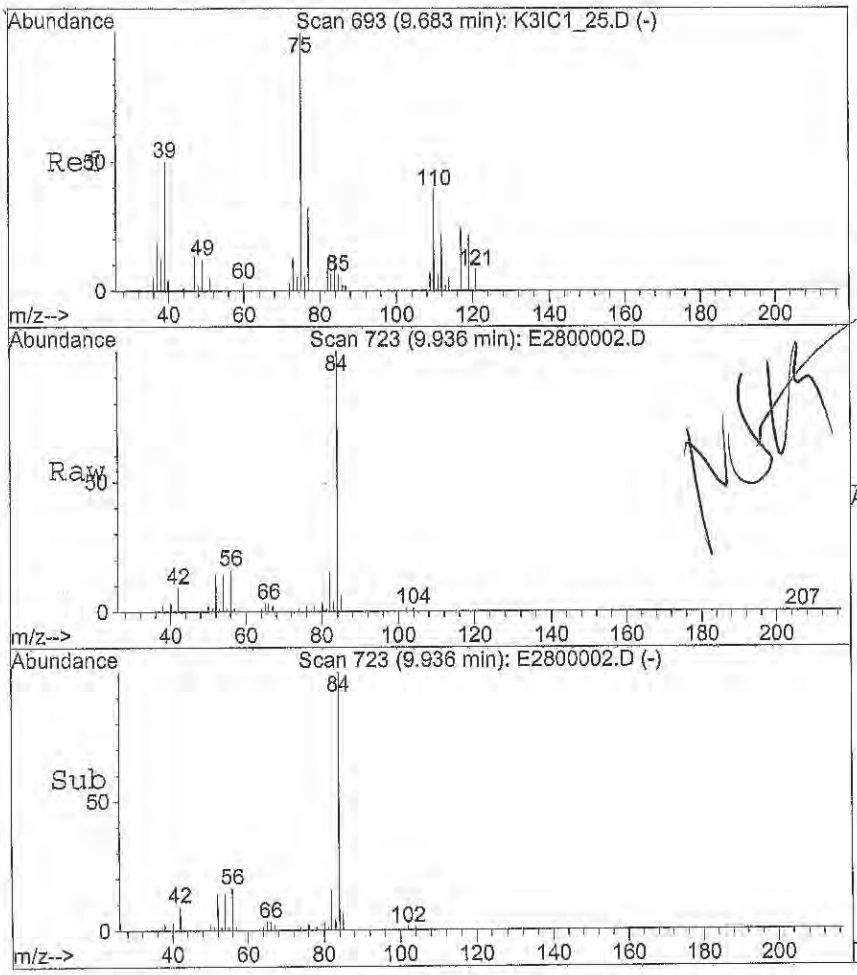


#24
Chloroform
Concen: 0.19 ug/L
RT: 9.23 min Scan# 640
Delta R.T. 0.03 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 83 Resp: 1652

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

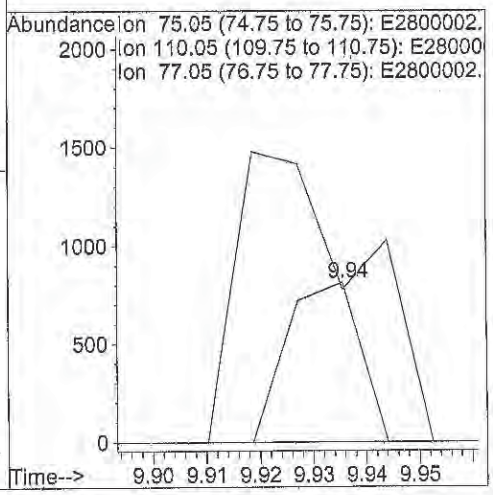


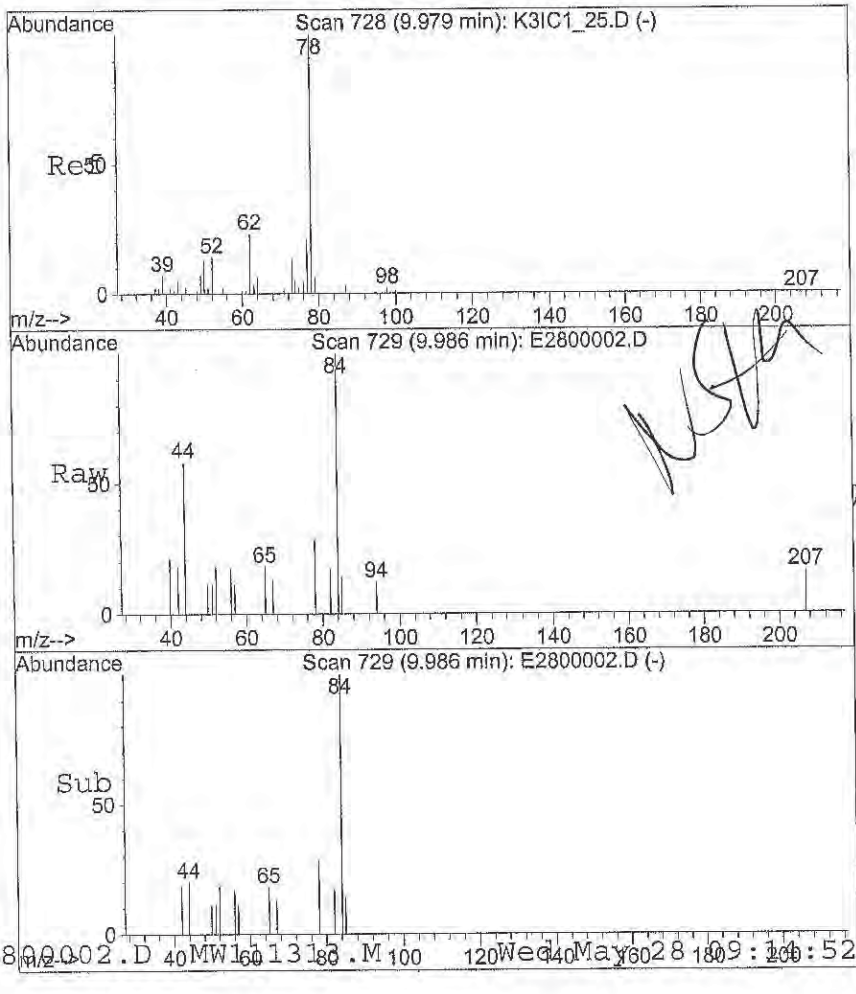


#29
1,1-Dichloropropene
Concen: 0.12 ug/L
RT: 9.94 min Scan# 723
Delta R.T. 0.25 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 75 Resp: 777

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	306.4	25.0	37.4#

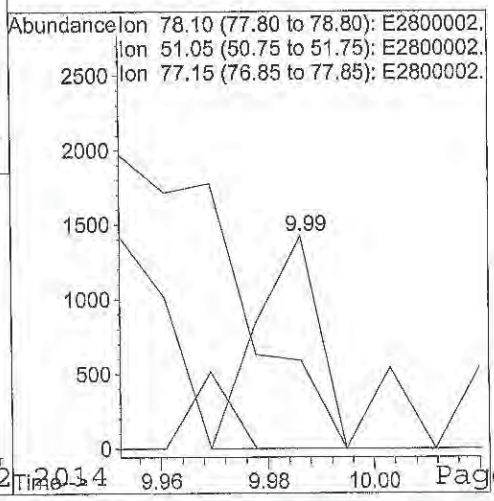


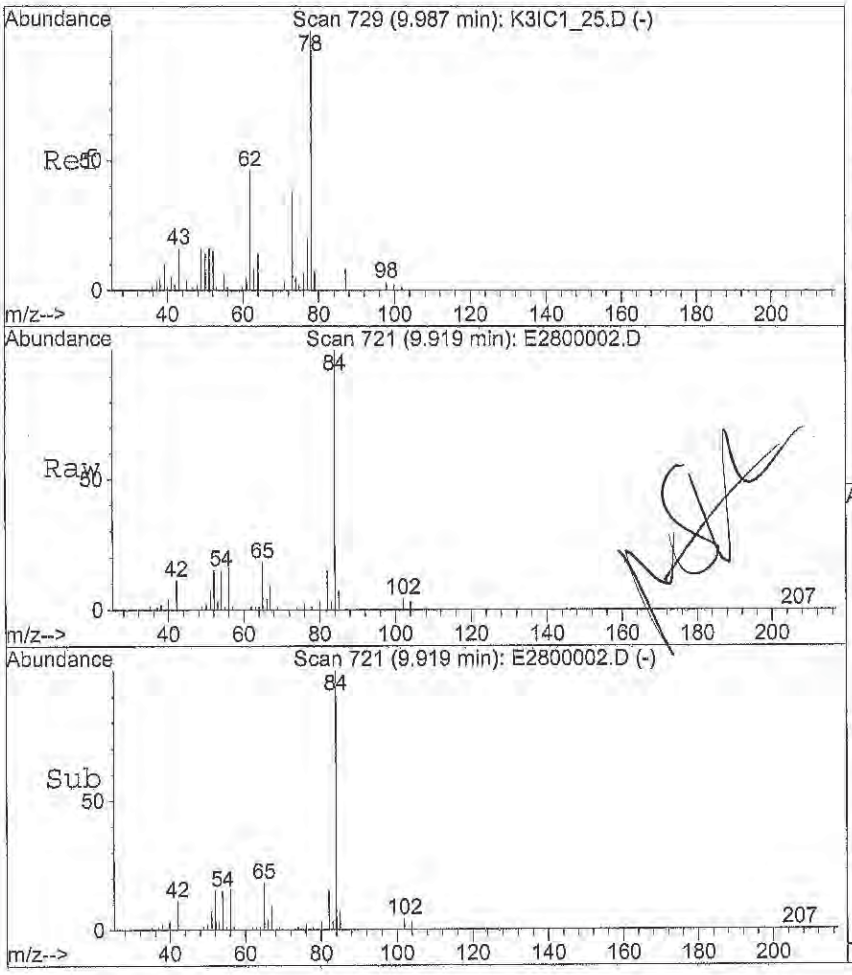


#31
Benzene
Concen: 0.07 ug/L
RT: 9.99 min Scan# 729
Delta R.T. 0.01 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 78 Resp: 1147

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	22.8	16.6	24.8

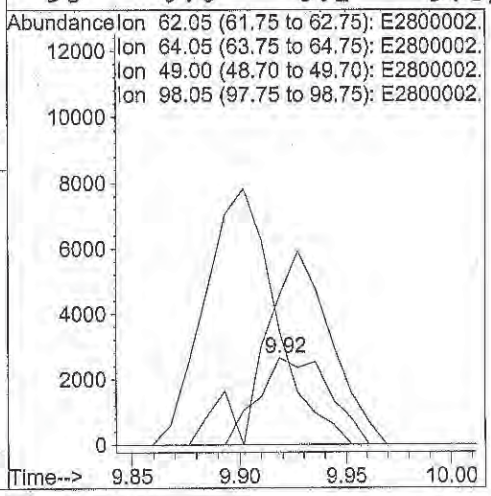


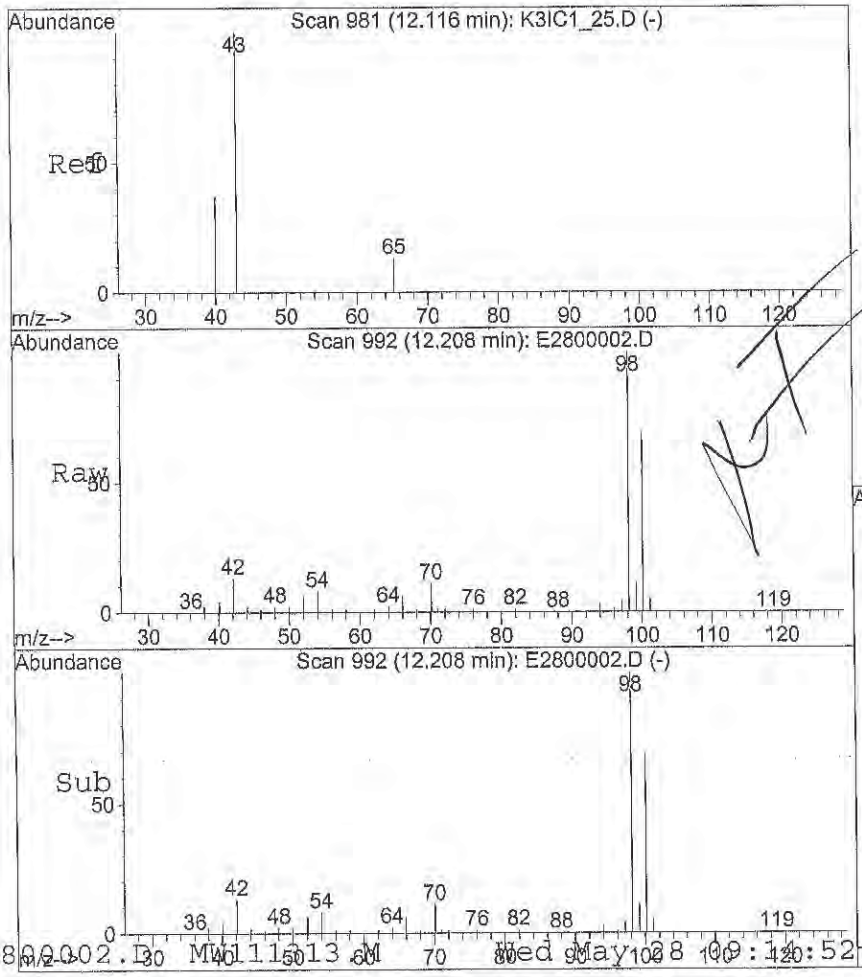


#32
1,2-Dichloroethane
Concen: 1.13 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 62 Resp: 6151

Ion	Ratio	Lower	Upper
62	100		
64	214.5	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

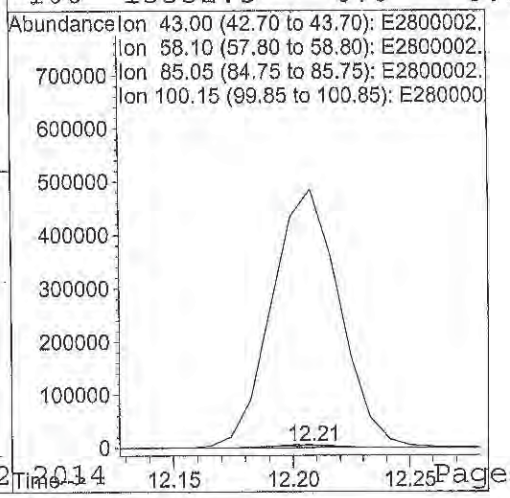


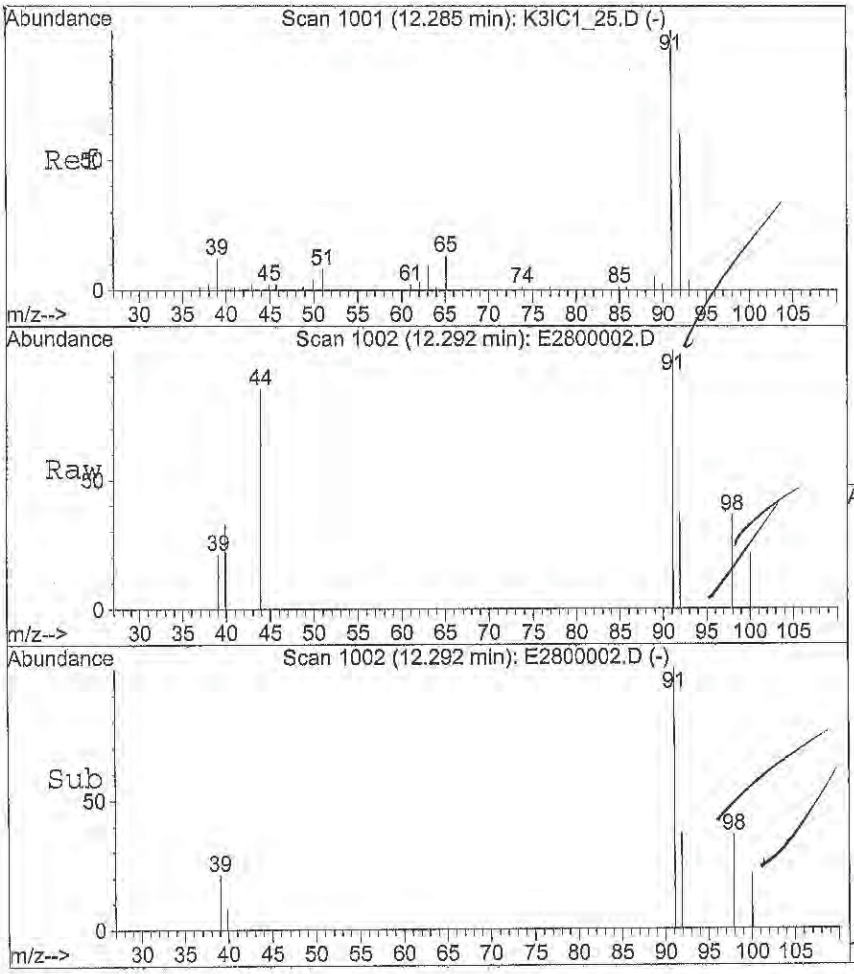


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.85 ug/L
RT: 12.21 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 43 Resp: 7286

Ion	Ratio	Lower	Upper
43	100		
58	132.5	0.0	0.0#
85	0.0	0.0	0.0
100	13352.5	0.0	0.0#

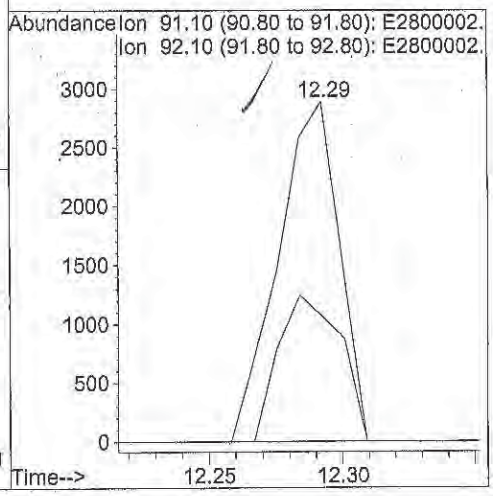


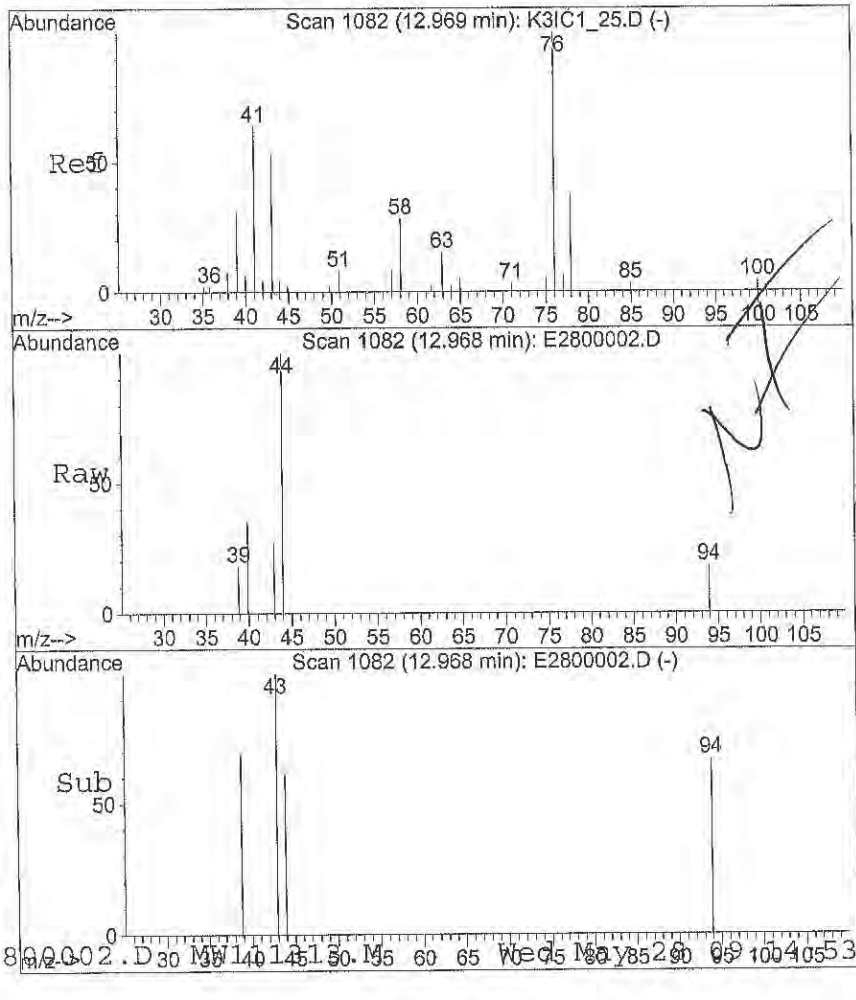


#41
Toluene
Concen: 0.26 ug/L
RT: 12.29 min Scan# 1002
Delta R.T. 0.01 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 91 Resp: 4573

Ion	Ratio	Lower	Upper
91	100		
92	44.1	47.4	71.0#

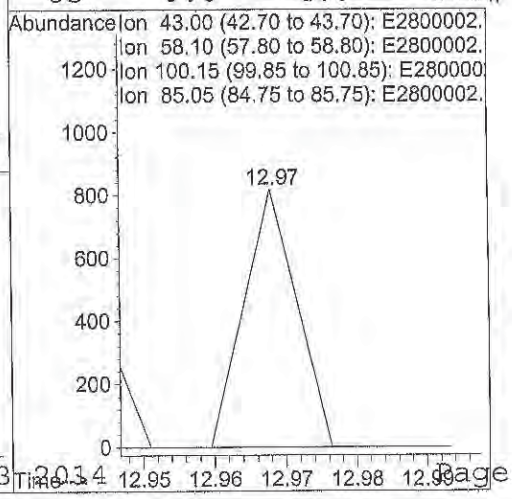


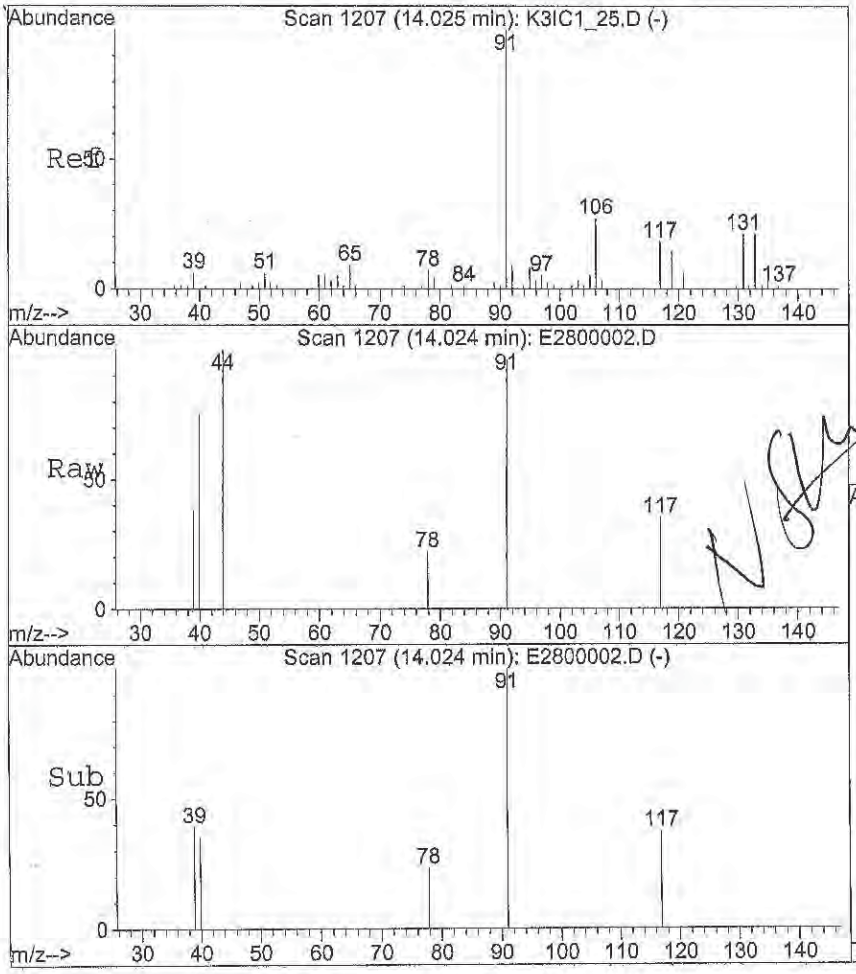


#46
2-Hexanone
Concen: 0.15 ug/L
RT: 12.97 min Scan# 1082
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 43 Resp: 415

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

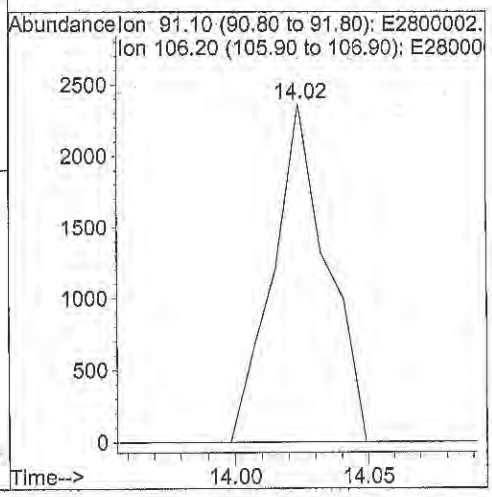


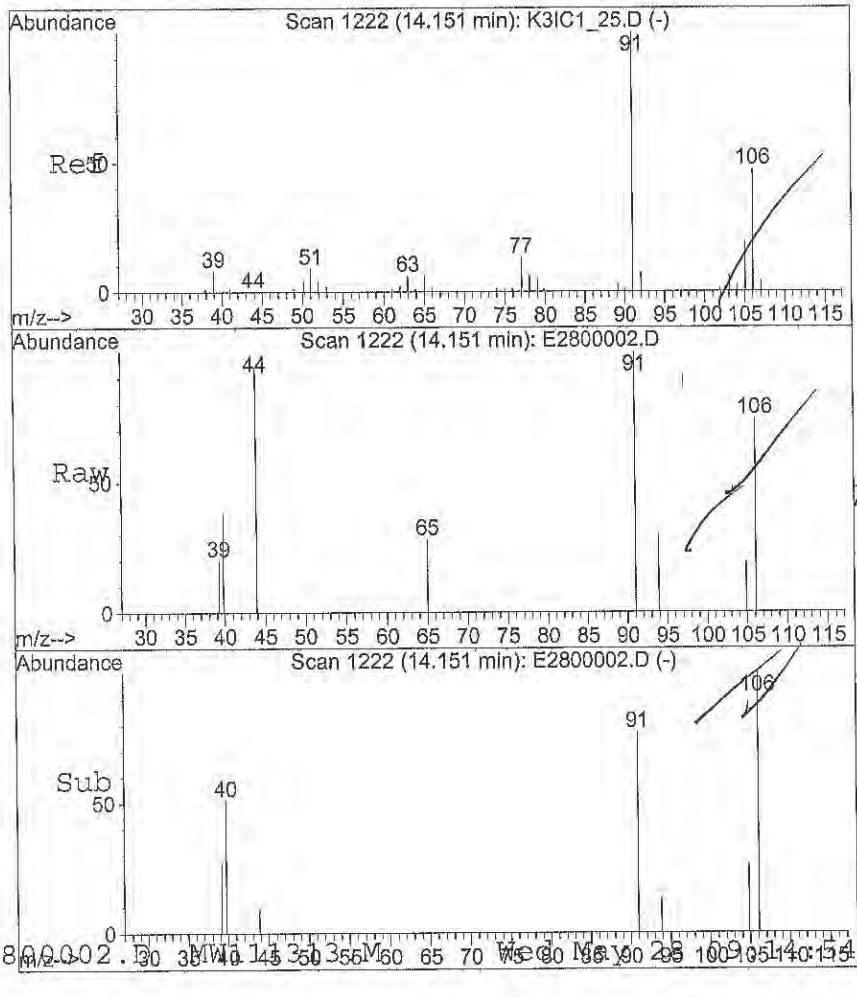


#51
Ethylbenzene
Concen: 0.17 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 91 Resp: 3307

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

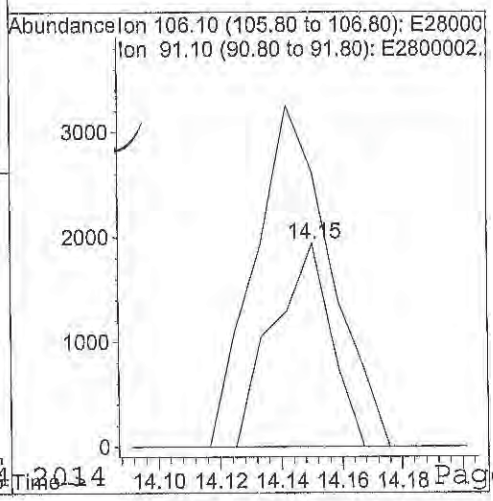


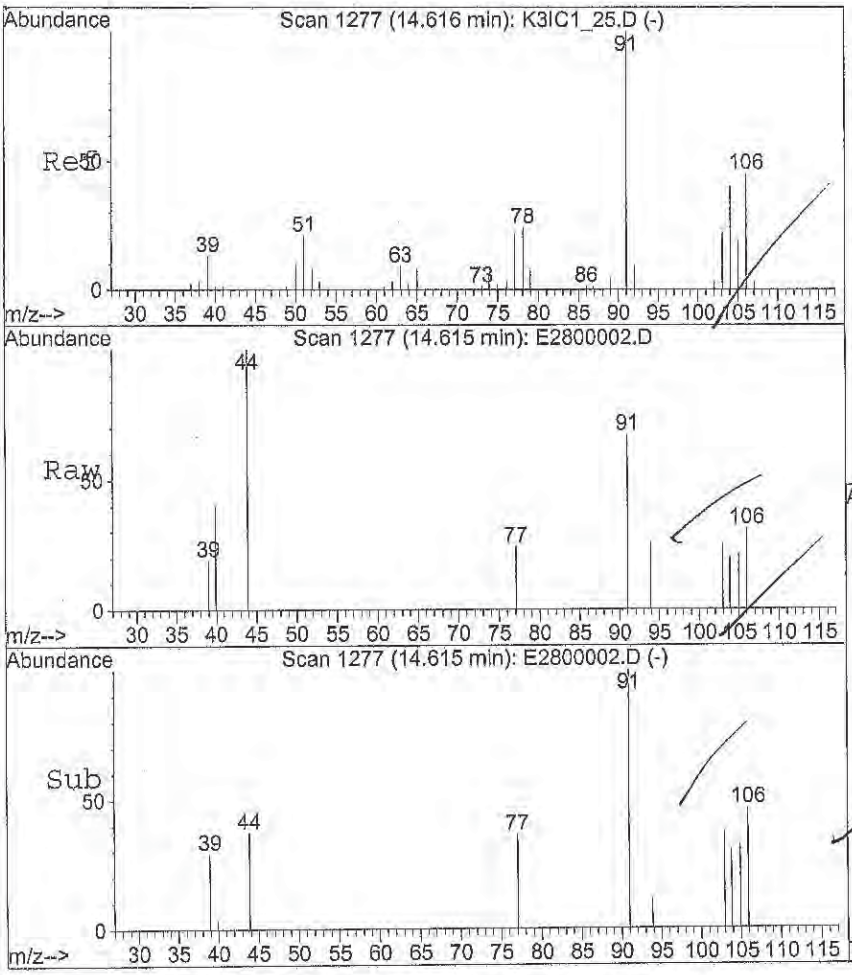


#52
m,p-Xylenes
Concen: 0.36 ug/L
RT: 14.15 min Scan# 1222
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:106 Resp: 2542

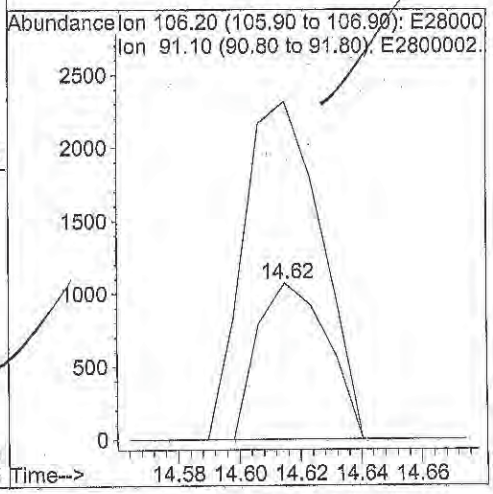
Ion	Ratio	Lower	Upper
106	100		
91	220.4	177.1	265.7

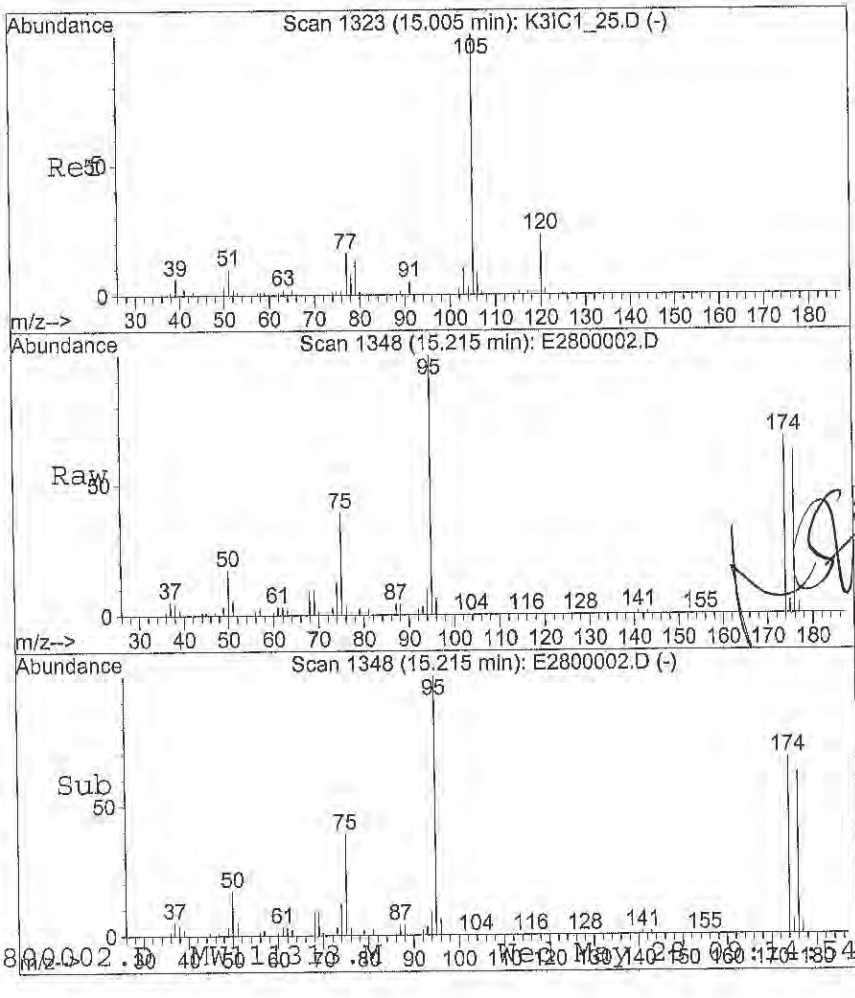




#53
o-Xylene
Concen: 0.24 ug/L
RT: 14.62 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

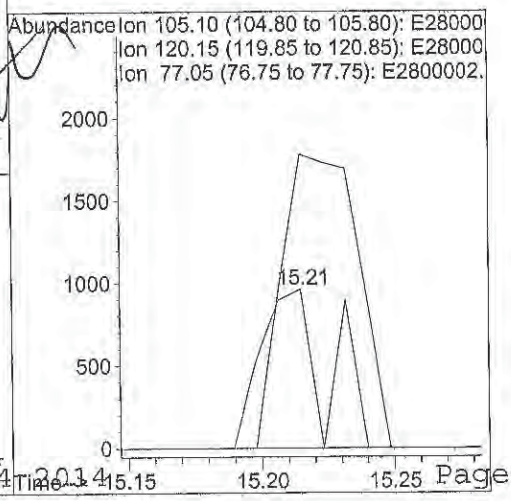
Tgt Ion:106	Resp:	1697	
Ion	Ratio	Lower	Upper
106	100		
91	240.7	179.0	268.6

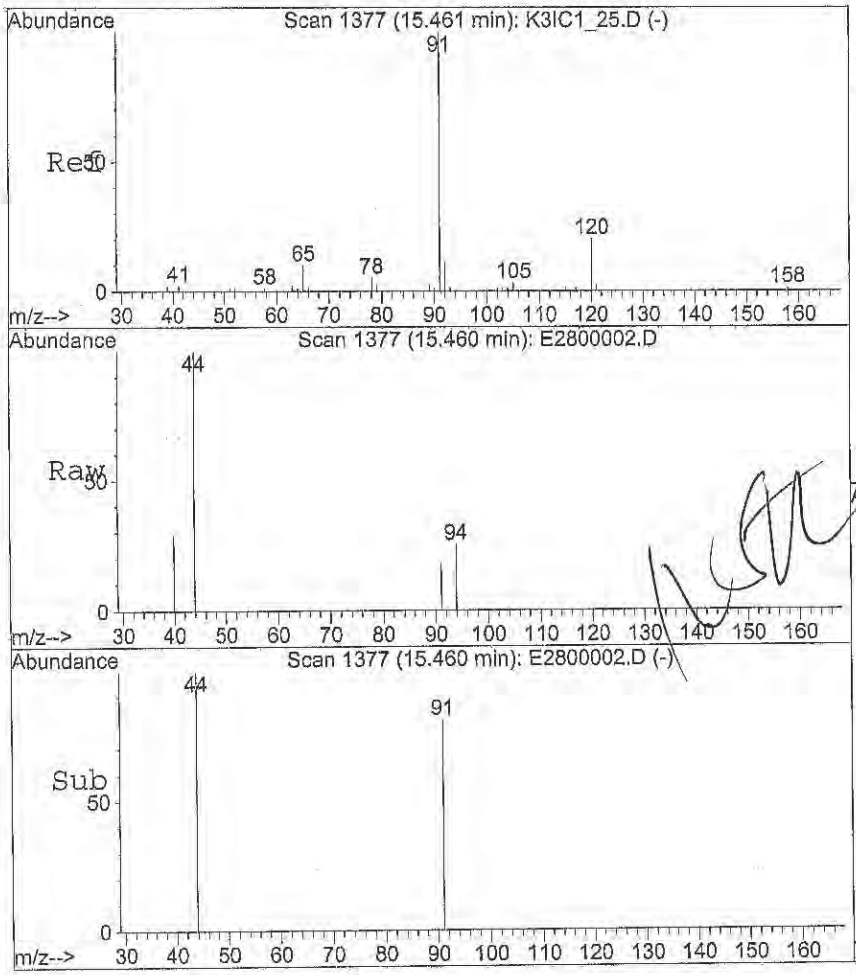




#56
Isopropylbenzene
Concen: 0.09 ug/L
RT: 15.21 min Scan# 1348
Delta R.T. 0.21 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:105	Resp:	1657	
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	215.3	13.1	19.7#

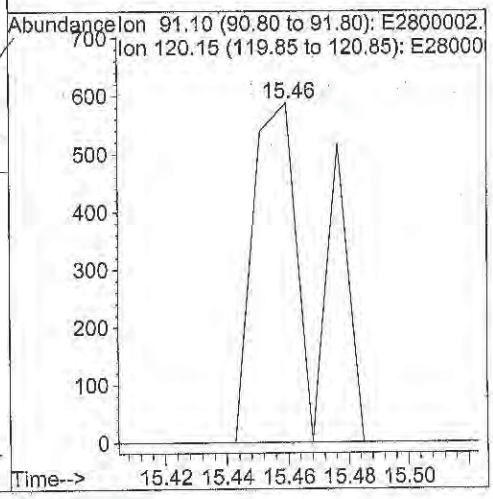


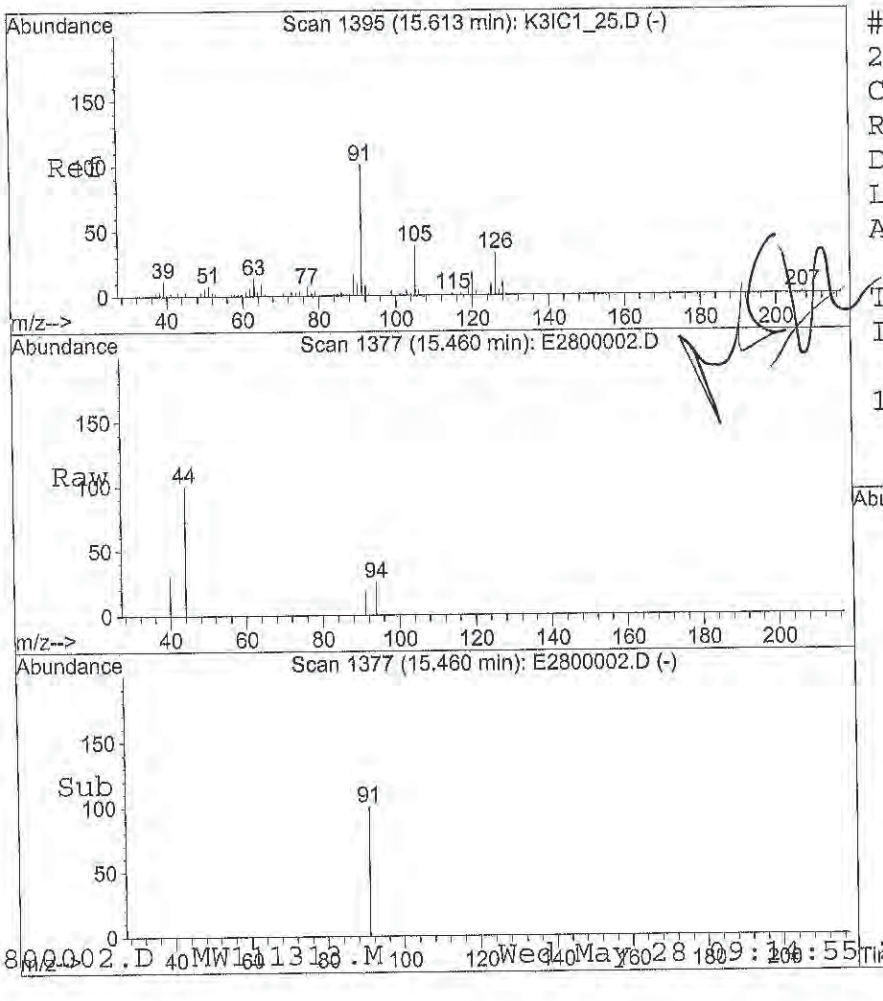


#62
n-Propylbenzene
Concen: 0.03 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 91 Resp: 832

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

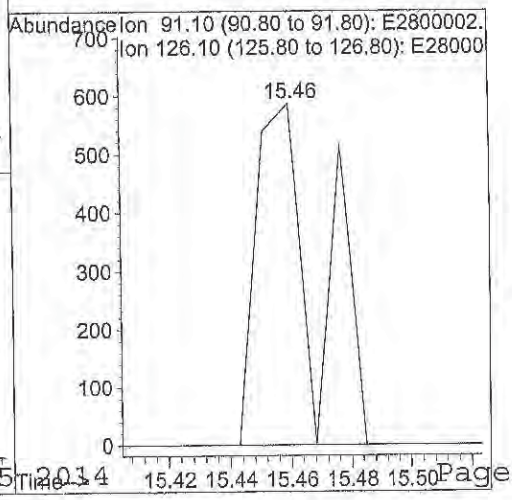


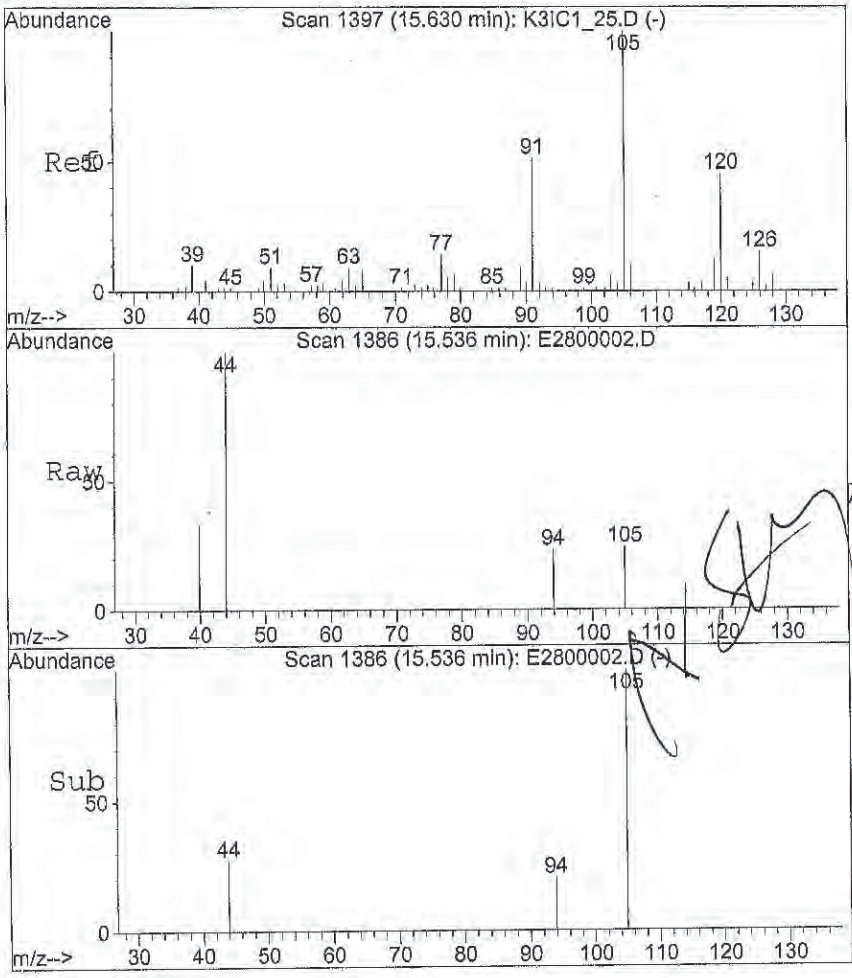


#63
2-Chlorotoluene
Concen: 0.05 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.15 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion: 91 Resp: 832

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

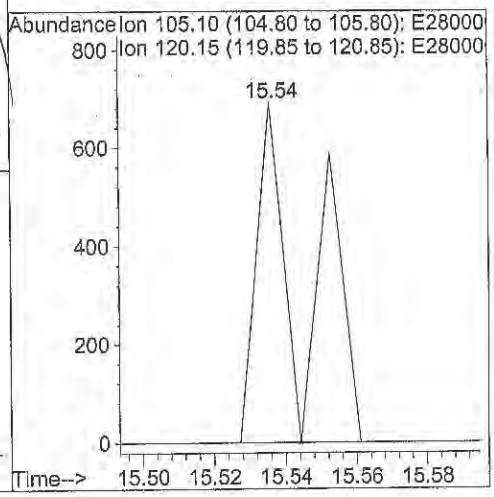


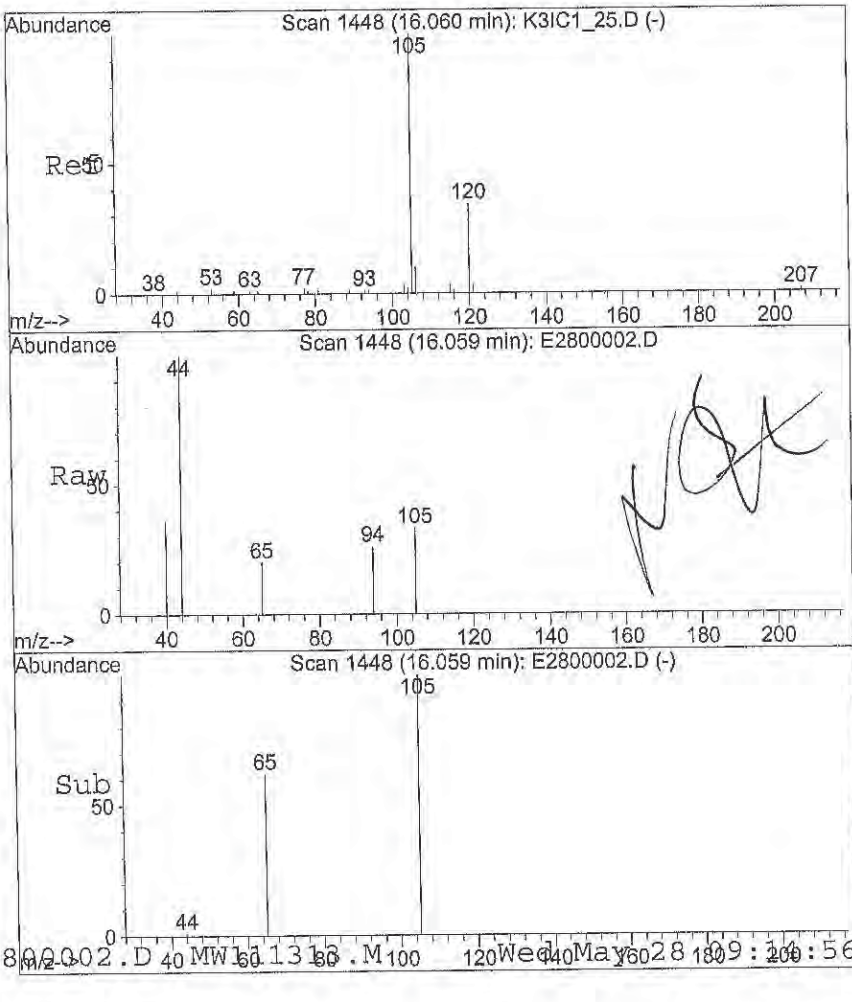


#64
1,3,5-Trimethylbenzene
Concen: 0.04 ug/L
RT: 15.54 min Scan# 1386
Delta R.T. -0.09 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:105 Resp: 648

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

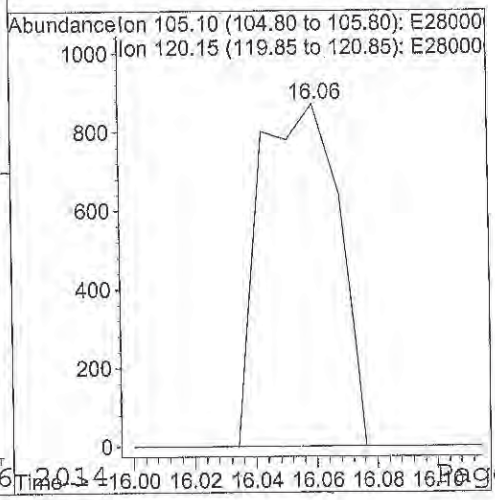


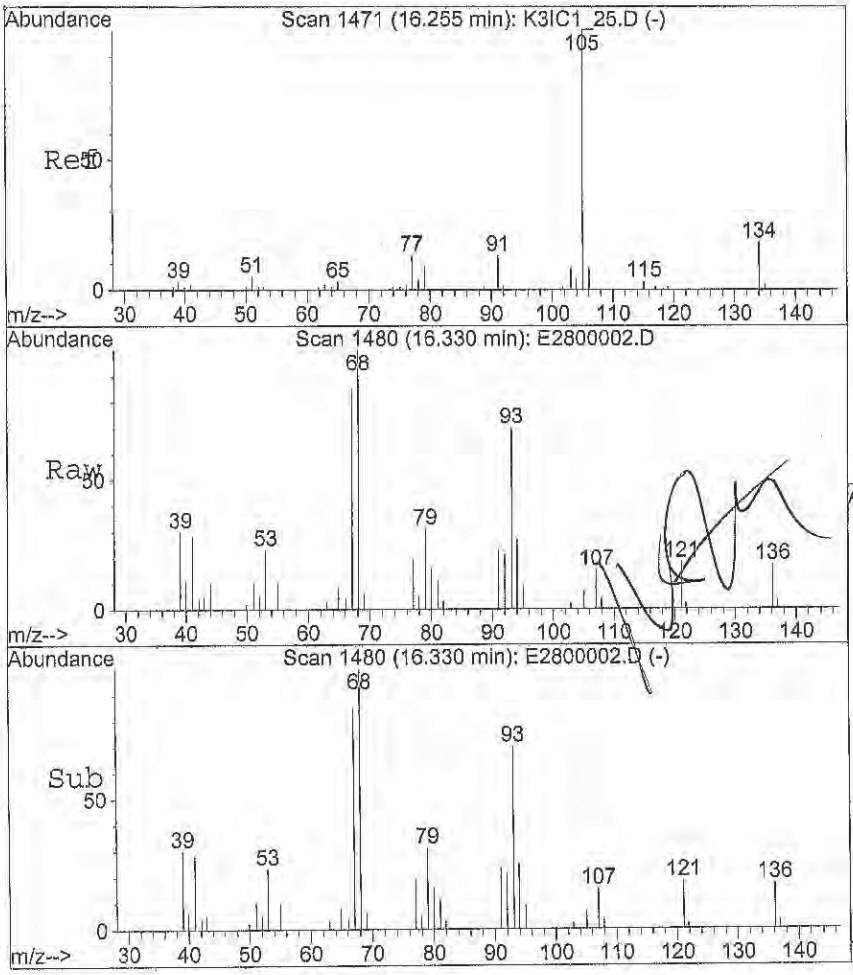


#67
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:105 Resp: 1569

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

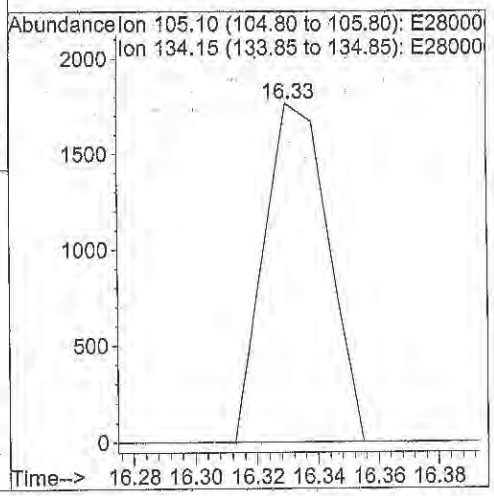


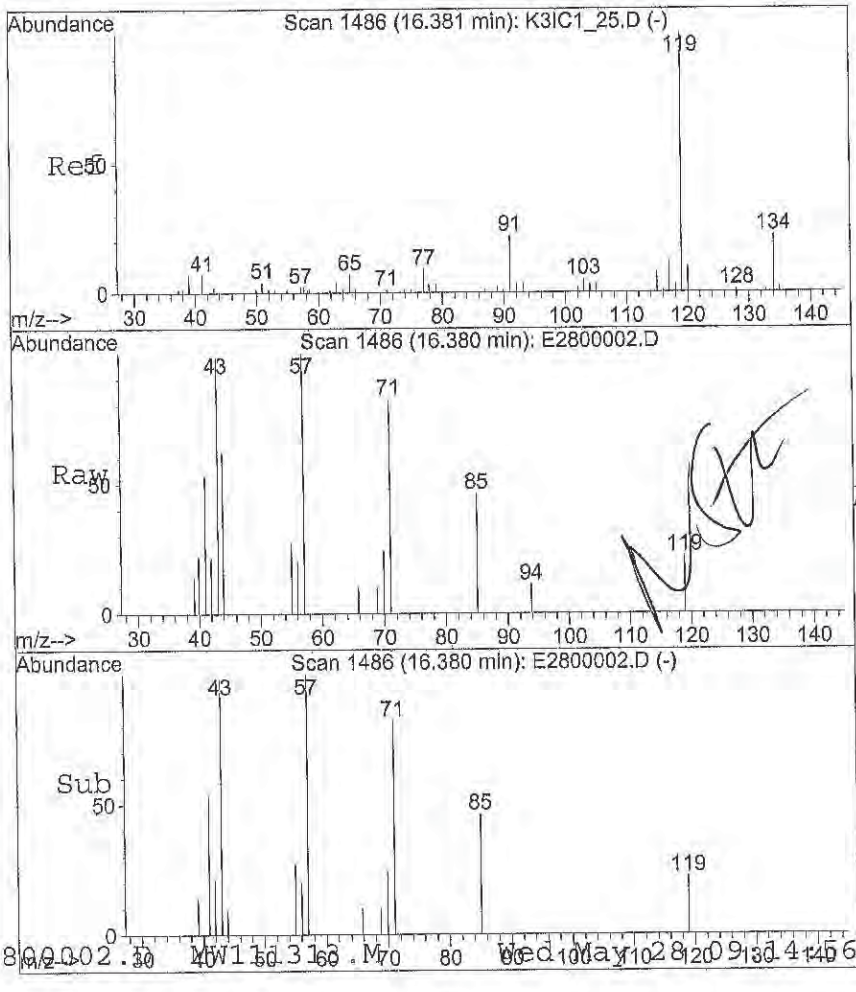


#68
sec-Butylbenzene
Concen: 0.11 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:105 Resp: 2565

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

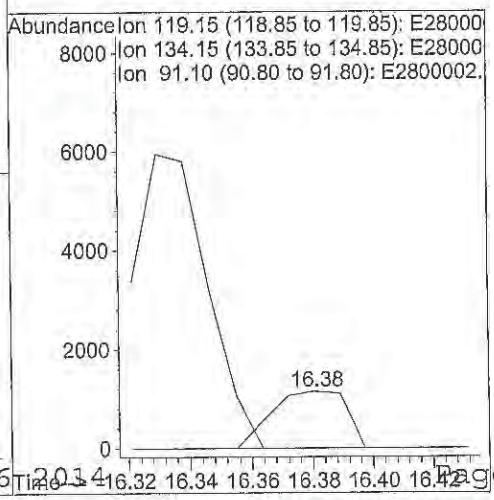




#69
p-Isopropyltoluene
Concen: 0.11 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2800002.D
Acq: 28 May 2014 8:47 am

Tgt Ion:119 Resp: 1963

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800002.D Vial: 1
Acq On : 28 May 2014 8:47 am Operator: DN
Sample : 3E42801-02 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:16 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1628814	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1280080	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	672692	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	473247	11.17	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.36%			
3) Chloroform-d (SU6)	9.18	84	793675	13.06	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 104.48%			
4) Methylene Chloride-d2 (SU5	7.08	86	446157	12.56	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 100.48%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	471749	16.30	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 130.40%#			
6) Benzene-d6 (SU7)	9.93	84	1463973	11.45	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 91.60%			
8) Toluene-d8 (SU3)	12.21	98	1410542	11.61	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 92.88%			
9) 4-Bromofluorobenzene (SU4)	15.21	95	700102	13.96	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 111.68%			

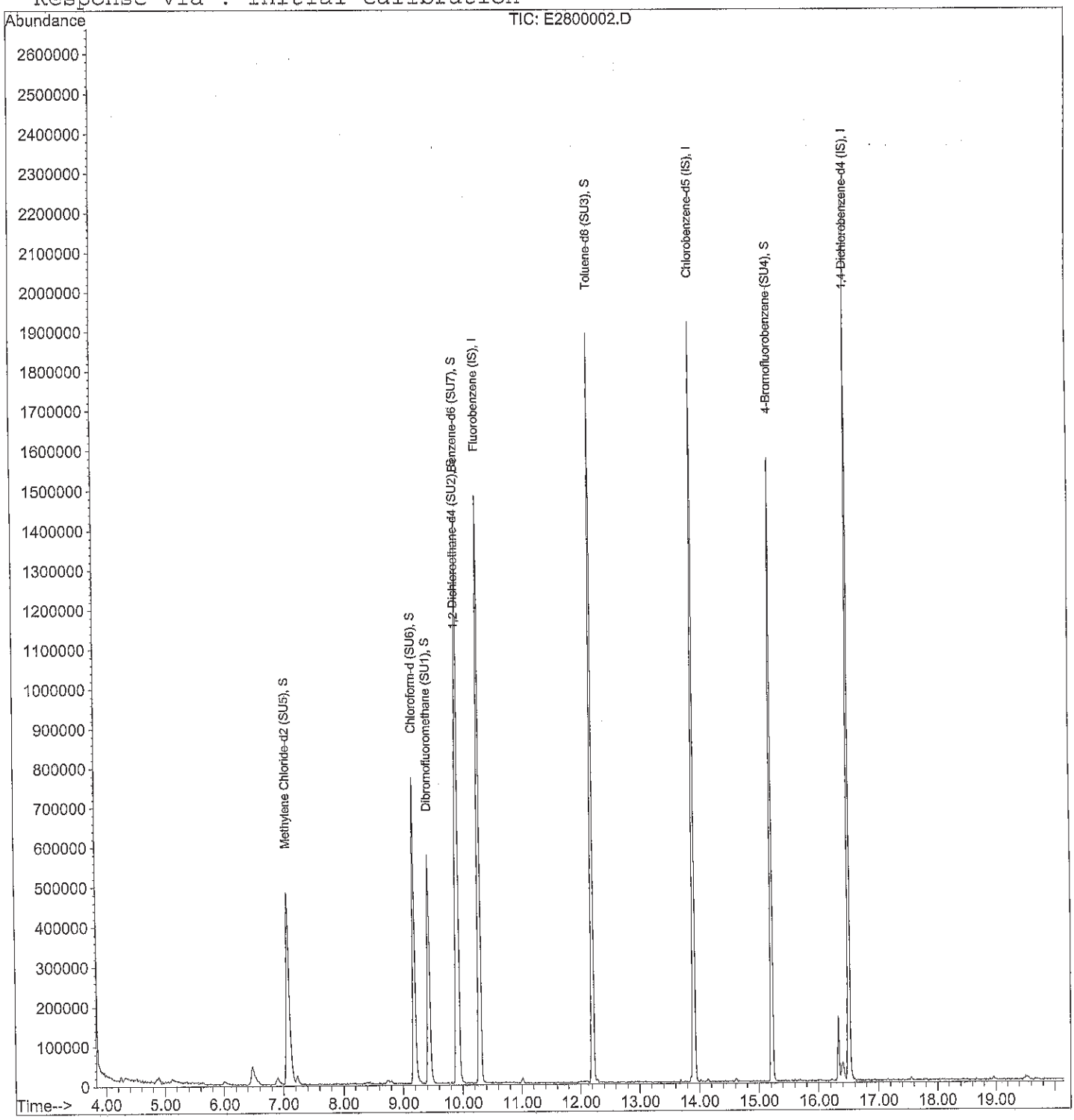
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800002.D Vial: 1
Acq On : 28 May 2014 8:47 am Operator: DN
Sample : 3E42801-02 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 9:16 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800004.D Vial: 3
Acq On : 28 May 2014 9:49 am Operator: DN
Sample : 3E42801-03 Inst : GC/MS Ins
Misc : 100cc SVL-815-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:16 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1588325	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1230604	12.50	ug/L	-0.01
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	662439	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	467461	11.80	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 94.40%			
28) 1,2-Dichloroethane-d4 (SU2	9.90	65	447278	11.88	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.04%			
39) Toluene-d8 (SU3)	12.21	98	1406762	12.26	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 98.08%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	693511	13.78	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 110.24%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	1770	-0.56	ug/L #	41
6) Bromomethane	5.12	96	5143	1.17	ug/L #	20
7) Chloroethane	5.27	64	1444	1.78	ug/L #	32
11) Acetone	6.45	58	2870	179.09	ug/L #	1
12) (IPA) Leak Check Compound	6.48	45	115496	605.13	ug/L #	87
13) Carbon disulfide	6.85	76	2830	0.21	ug/L #	76
14) Methylene Chloride	7.07	84	6463	1.48	ug/L #	1
15) (TBA) tert-Butanol	6.98	59	262	0.97	ug/L #	77
20) 2,2-Dichloropropane	8.86	77	256	0.04	ug/L #	36
24) Chloroform	9.21	83	3231	0.39	ug/L #	18
29) 1,1-Dichloropropene	9.92	75	254	0.04	ug/L #	1
31) Benzene	9.93	78	11131	0.74	ug/L #	78
32) 1,2-Dichloroethane	9.93	62	7685	1.45	ug/L #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.21	43	6666	2.71	ug/L #	100
41) Toluene	12.28	91	6141	0.37	ug/L #	92
46) 2-Hexanone	12.93	43	1905	0.71	ug/L #	37
51) Ethylbenzene	14.02	91	2528	0.13	ug/L #	45
52) m,p-Xylenes	14.14	106	2389	0.35	ug/L #	97
53) o-Xylene	14.61	106	976	0.15	ug/L #	36
54) Styrene	14.62	104	1867	-0.68	ug/L #	68
56) Isopropylbenzene	15.00	105	297	0.02	ug/L #	55
62) n-Propylbenzene	15.46	91	641	0.02	ug/L #	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E2800004.D Vial: 3
Acq On : 28 May 2014 9:49 am Operator: DN
Sample : 3E42801-03 Inst : GC/MS Ins
Misc : 100cc SVL-815-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:16 19114 Quant Results File: MW111313.RES

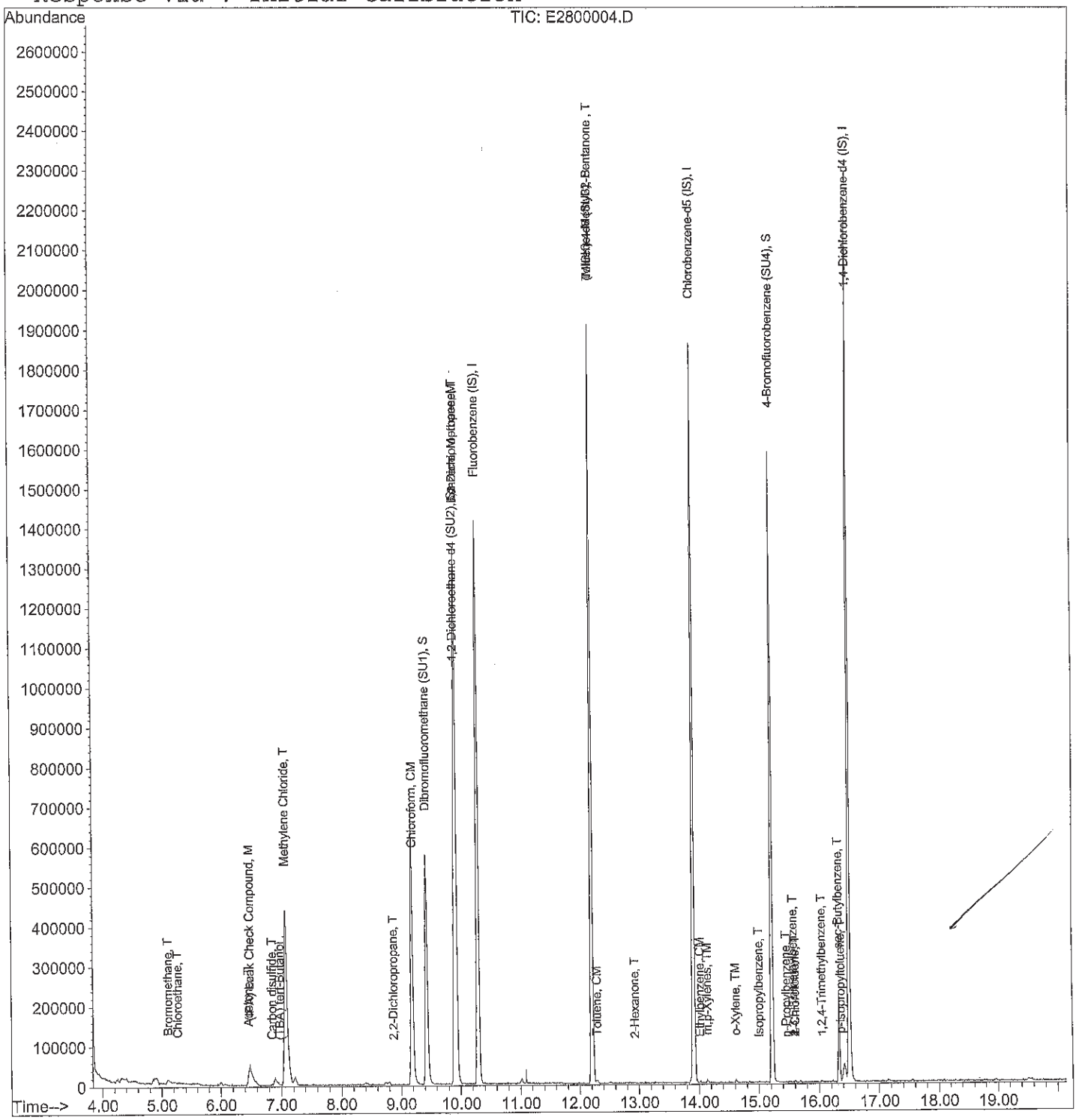
Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

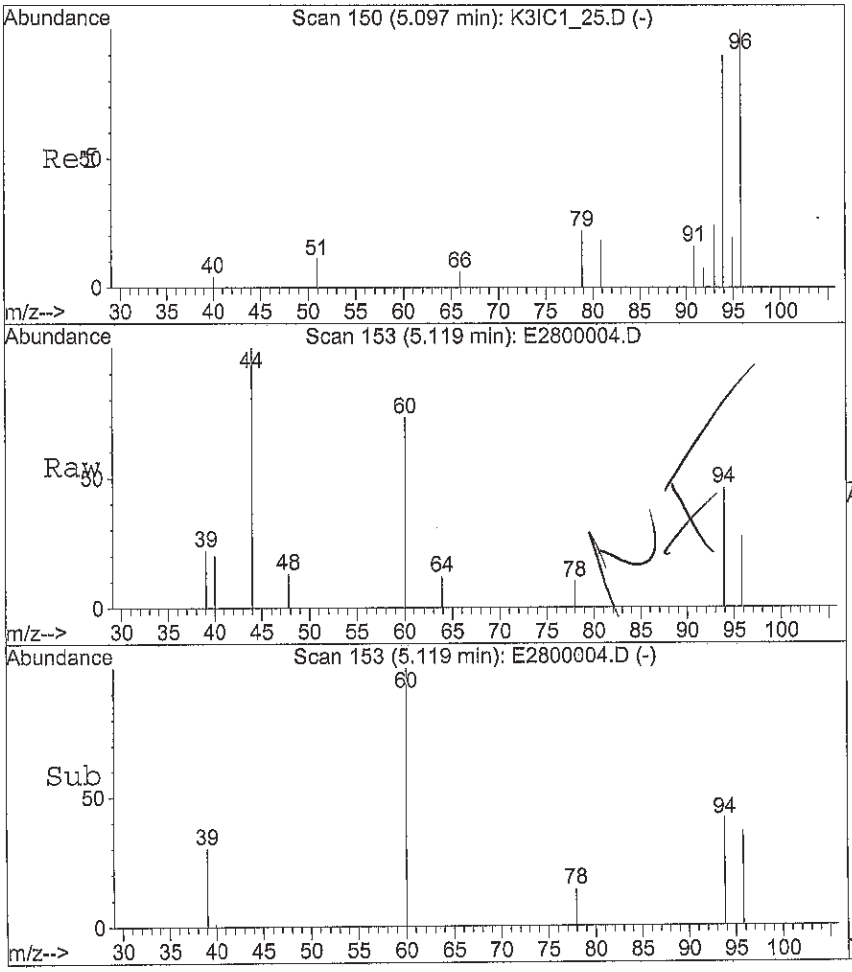
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
63) 2-Chlorotoluene	15.60	91	302	0.02 ug/L #	45
64) 1,3,5-Trimethylbenzene	15.57	105	292	0.02 ug/L #	31
65) 4-Chlorotoluene	15.60	91	302	0.02 ug/L #	44
67) 1,2,4-Trimethylbenzene	16.06	105	1104	0.06 ug/L #	33
68) sec-Butylbenzene	16.33	105	3272	0.15 ug/L #	62
69) p-Isopropyltoluene	16.37	119	1069	0.06 ug/L #	52

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E2800004.D Vial: 3
Acq On : 28 May 2014 9:49 am Operator: DN
Sample : 3E42801-03 Inst : GC/MS Ins
Misc : 100cc SVL-815-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:16 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

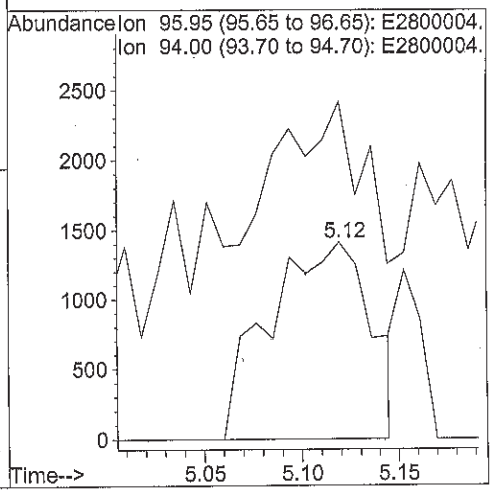


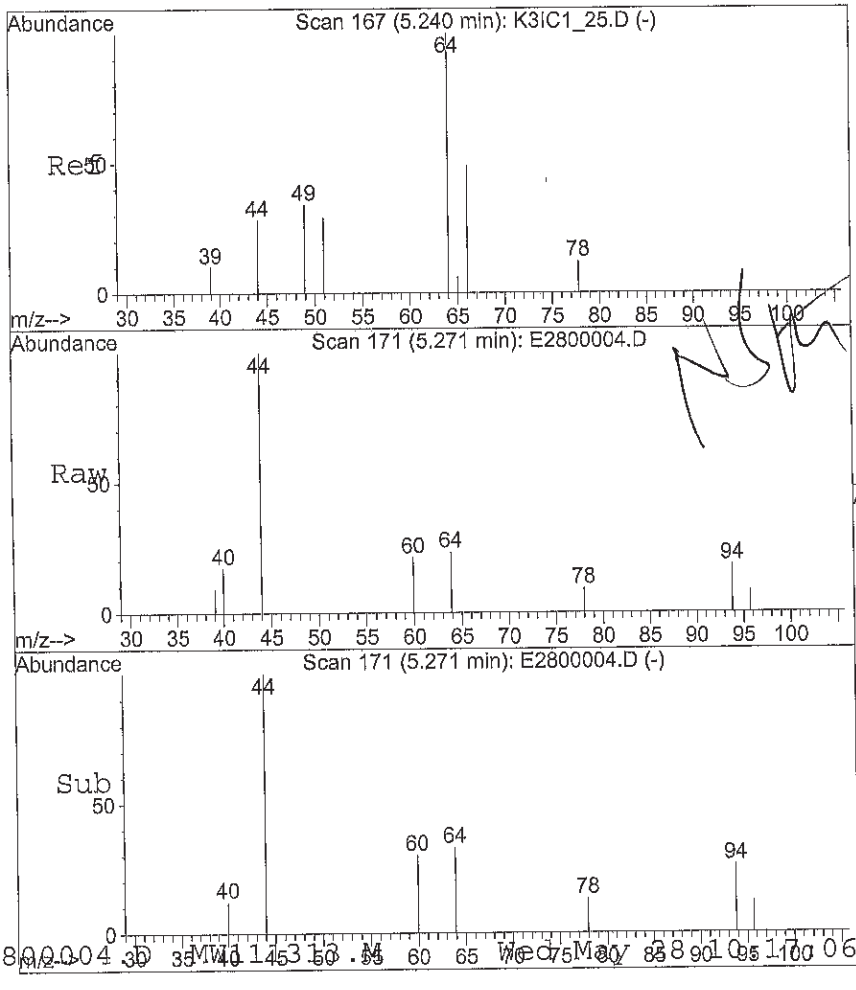


#6
Bromomethane
Concen: 1.17 ug/L
RT: 5.12 min Scan# 153
Delta R.T. 0.02 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 96 Resp: 5143

Ion	Ratio	Lower	Upper
96	100		
94	217.3	101.0	151.4#

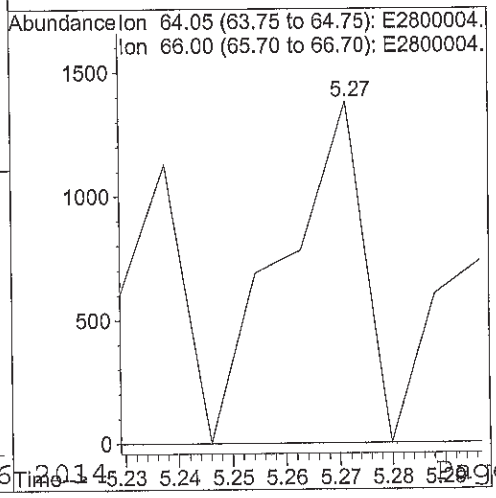


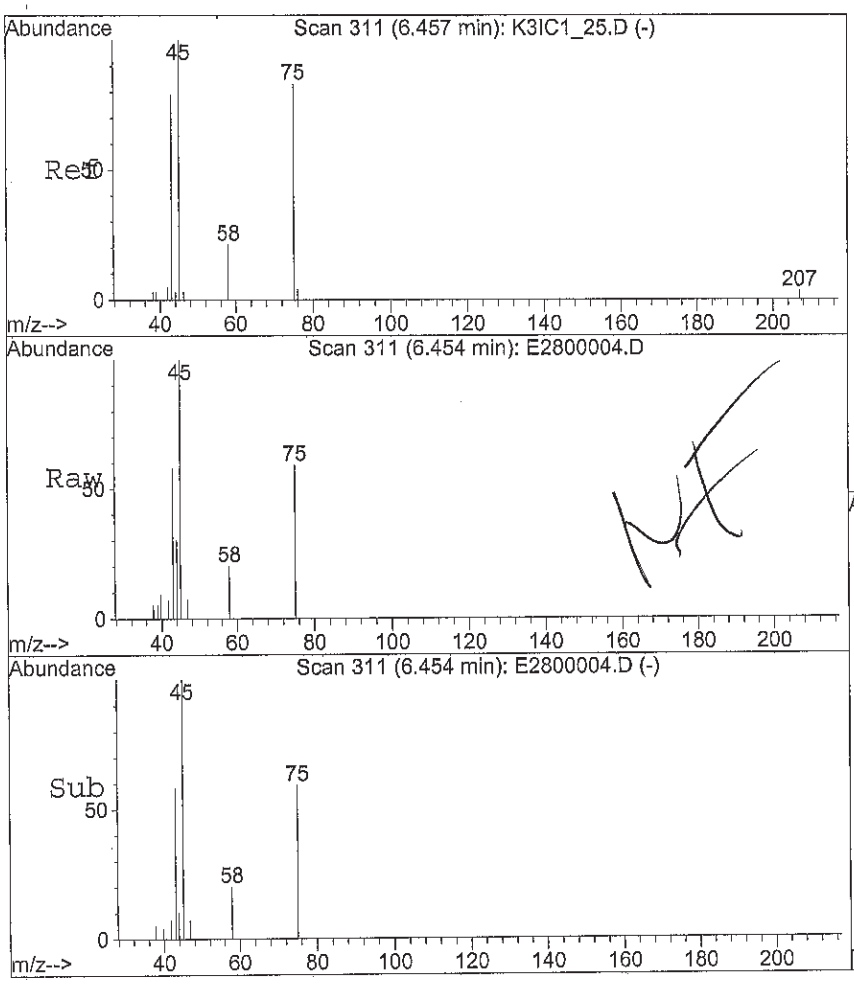


#7
Chloroethane
Concen: 1.78 ug/L
RT: 5.27 min Scan# 171
Delta R.T. 0.03 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 64 Resp: 1444

Ion	Ratio	Lower	Upper
64	100		
66	0.0	35.4	53.0#

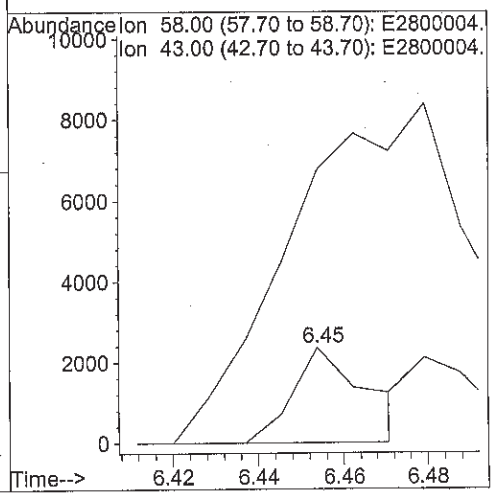


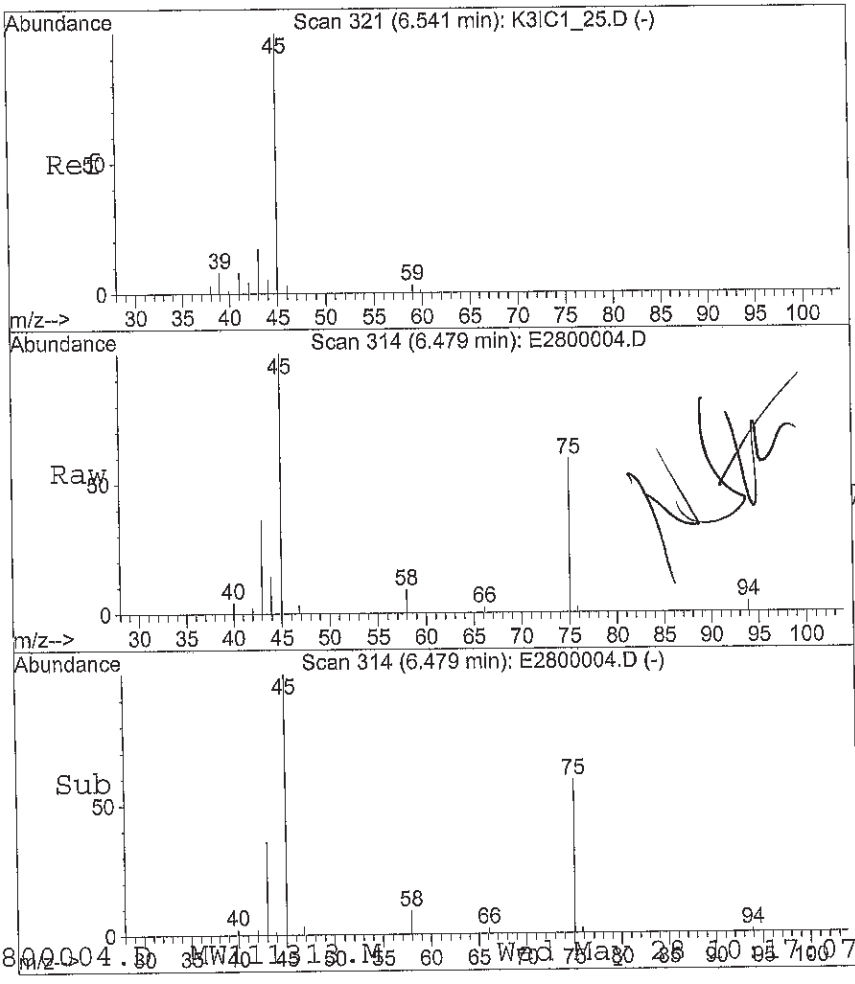


#11
Acetone
Concen: 179.09 ug/L
RT: 6.45 min Scan# 311
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 58 Resp: 2870

Ion	Ratio	Lower	Upper
58	100		
43	0.0	360.9	541.3#

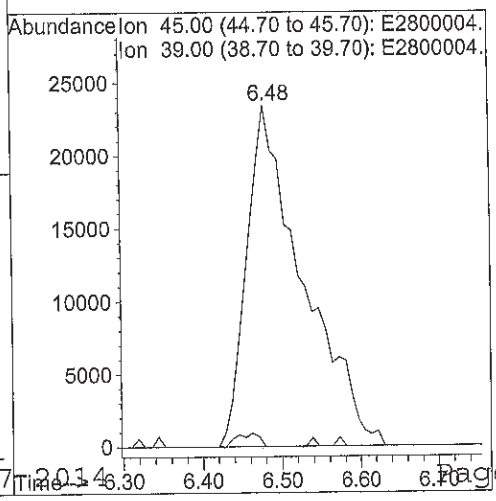


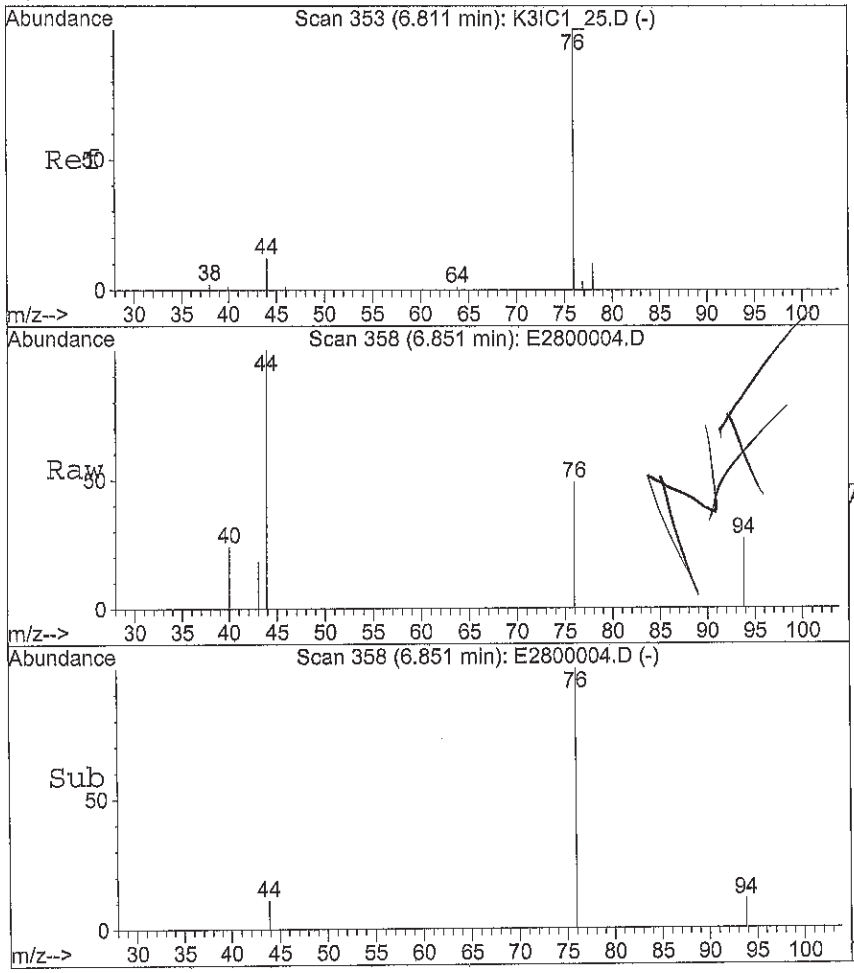


#12
(IPA) Leak Check Compound
Concen: 605.13 ug/L
RT: 6.48 min Scan# 314
Delta R.T. -0.06 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 45 Resp: 115496

Ion	Ratio	Lower	Upper
45	100		
39	1.6	4.9	7.3#

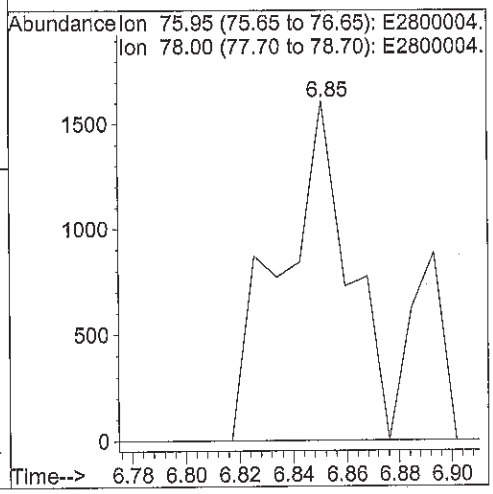


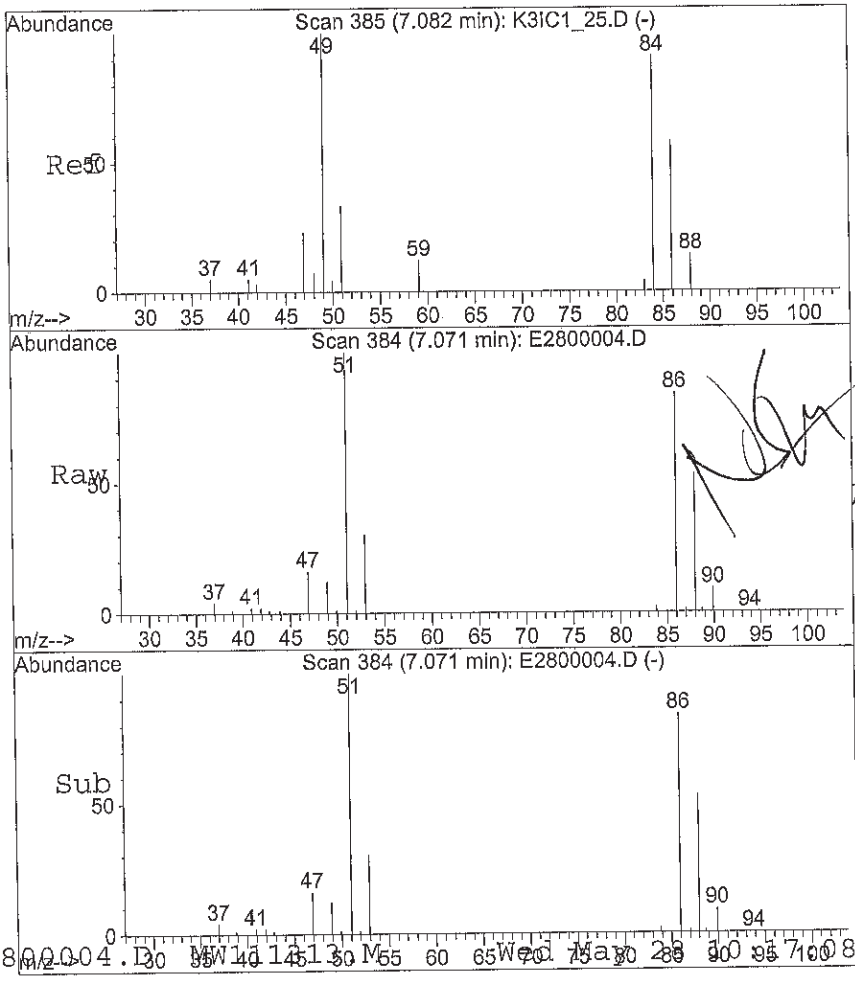


#13
Carbon disulfide
Concen: 0.21 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 76 Resp: 2830

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

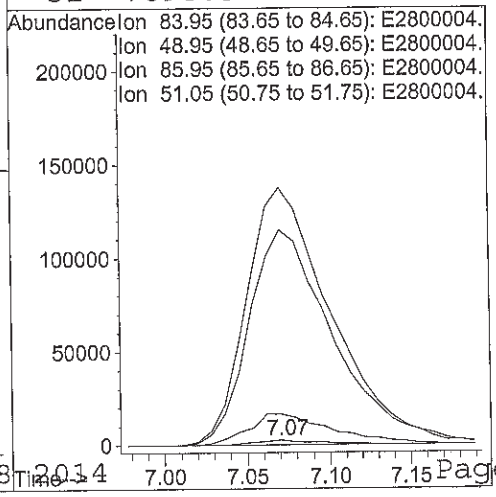


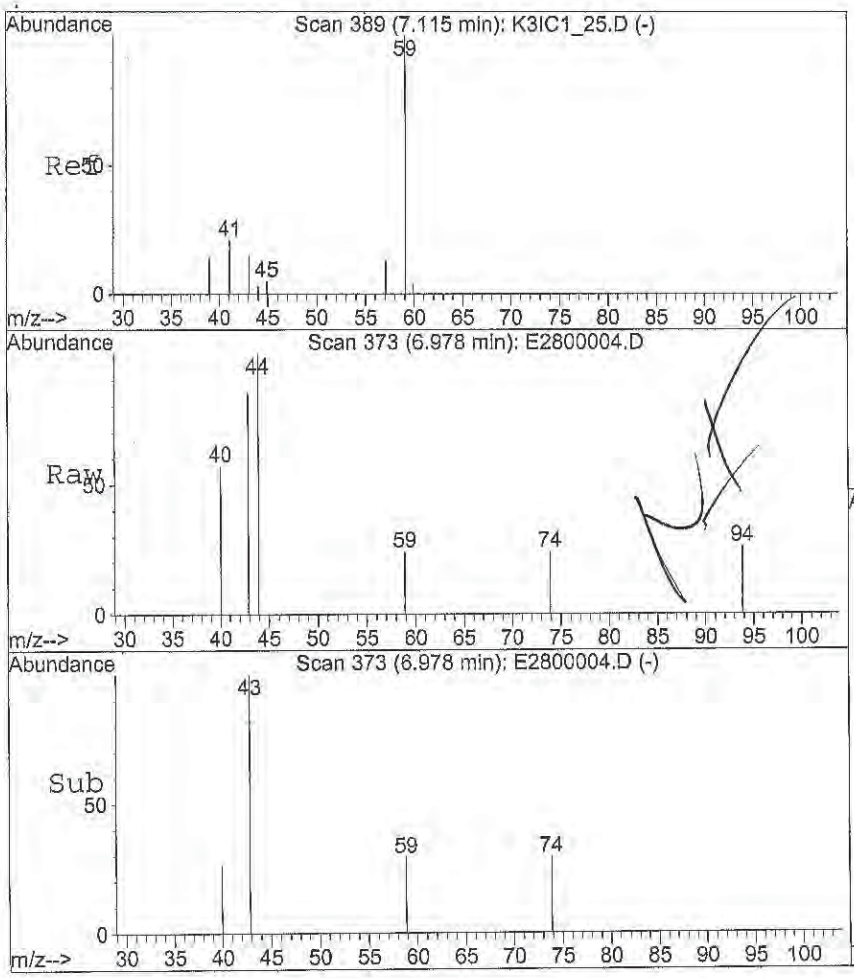


#14
Methylene Chloride
Concen: 1.48 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 84 Resp: 6463

Ion	Ratio	Lower	Upper
84	100		
49	905.0	89.8	134.6#
86	6361.0	51.1	76.7#
51	7698.3	28.5	42.7#

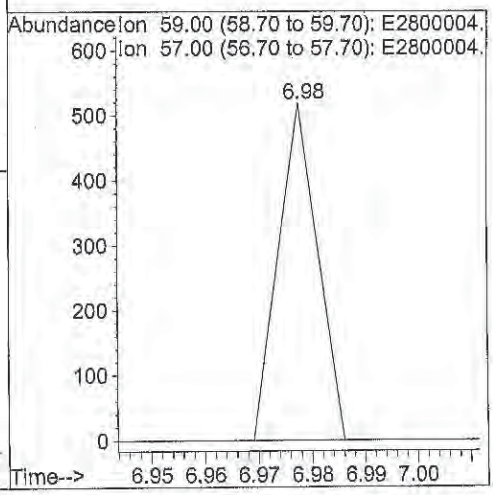


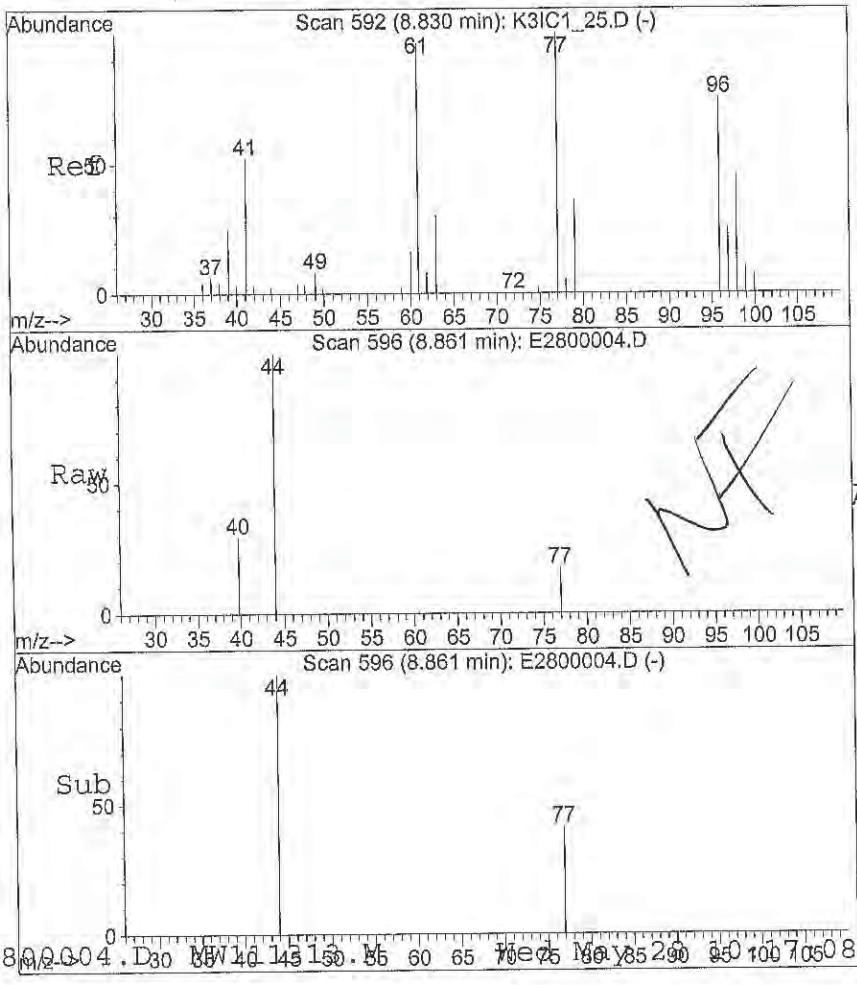


#15
(TBA) tert-Butanol
Concen: 0.97 ug/L
RT: 6.98 min Scan# 373
Delta R.T. -0.14 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 59 Resp: 262

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

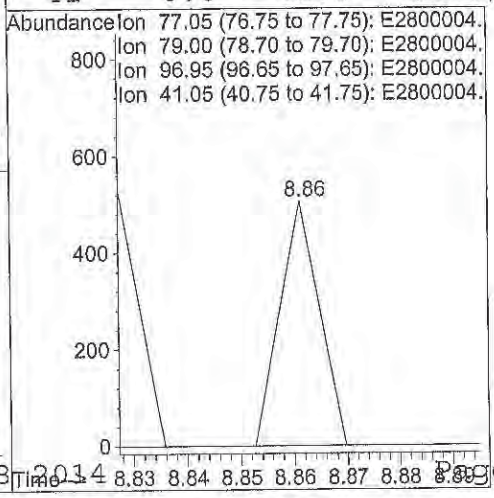


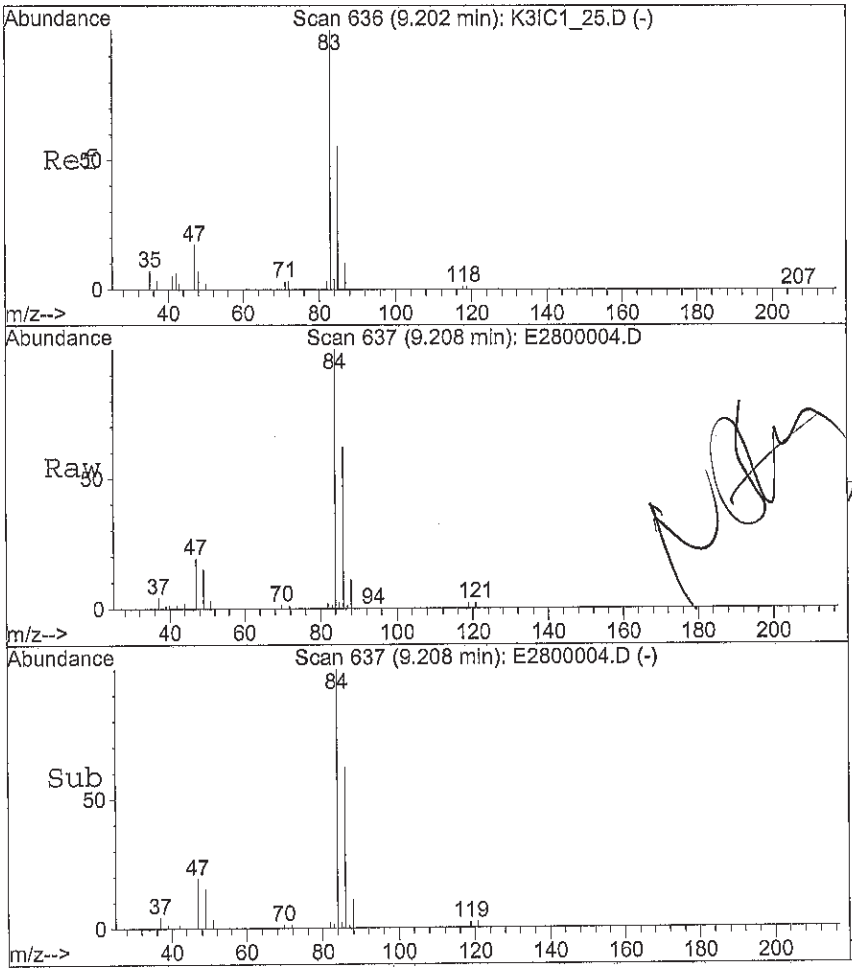


#20
2,2-Dichloropropane
Concen: 0.04 ug/L
RT: 8.86 min Scan# 596
Delta R.T. 0.03 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 77 Resp: 256

Ion	Ratio	Lower	Upper
77	100		
79	0.0	26.6	40.0#
97	0.0	18.9	28.3#
41	0.0	42.6	64.0#

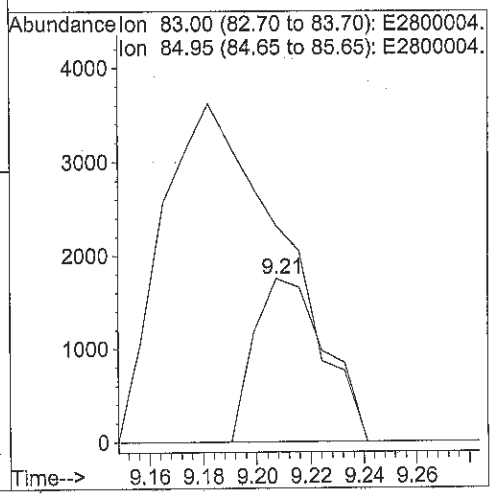


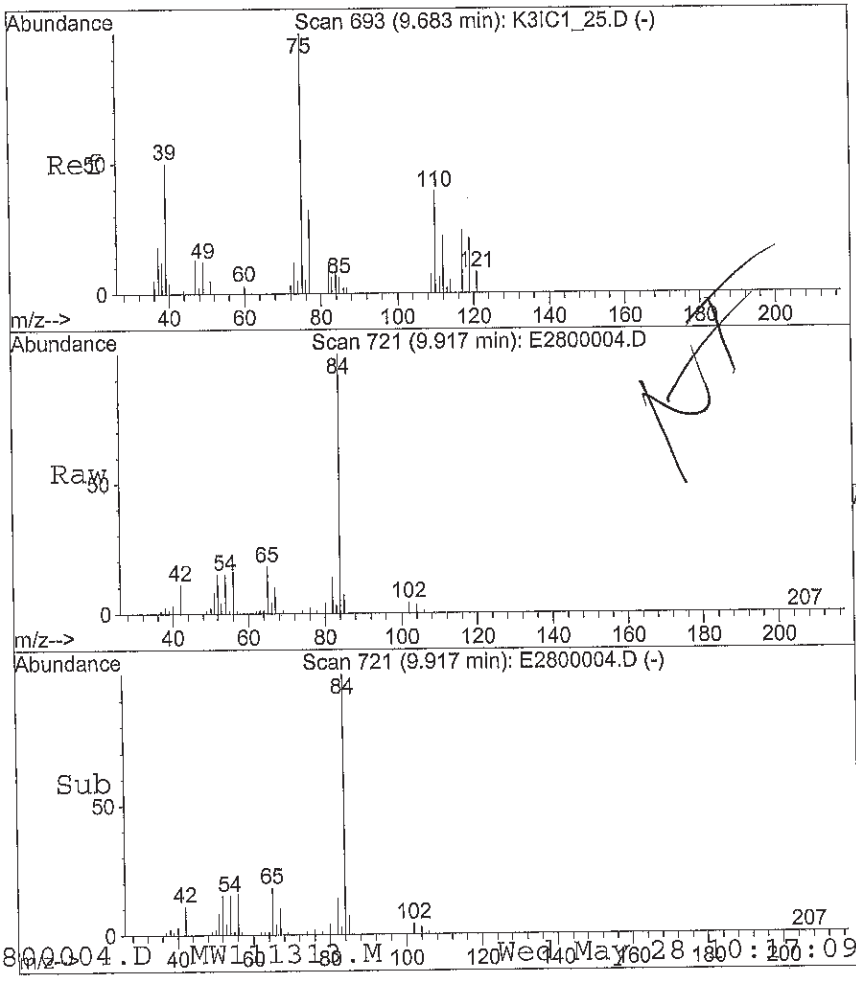


#24
Chloroform
Concen: 0.39 ug/L
RT: 9.21 min Scan# 637
Delta R.T. 0.01 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 83 Resp: 3231

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#

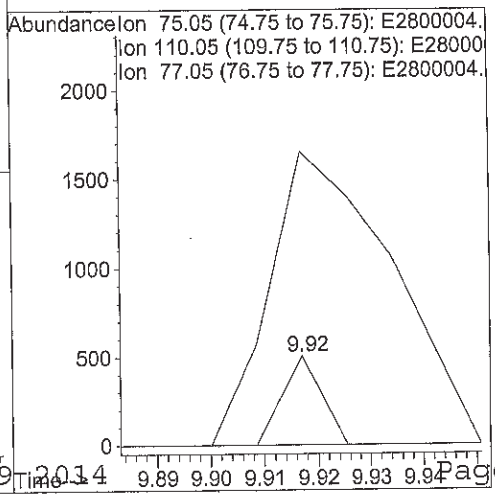


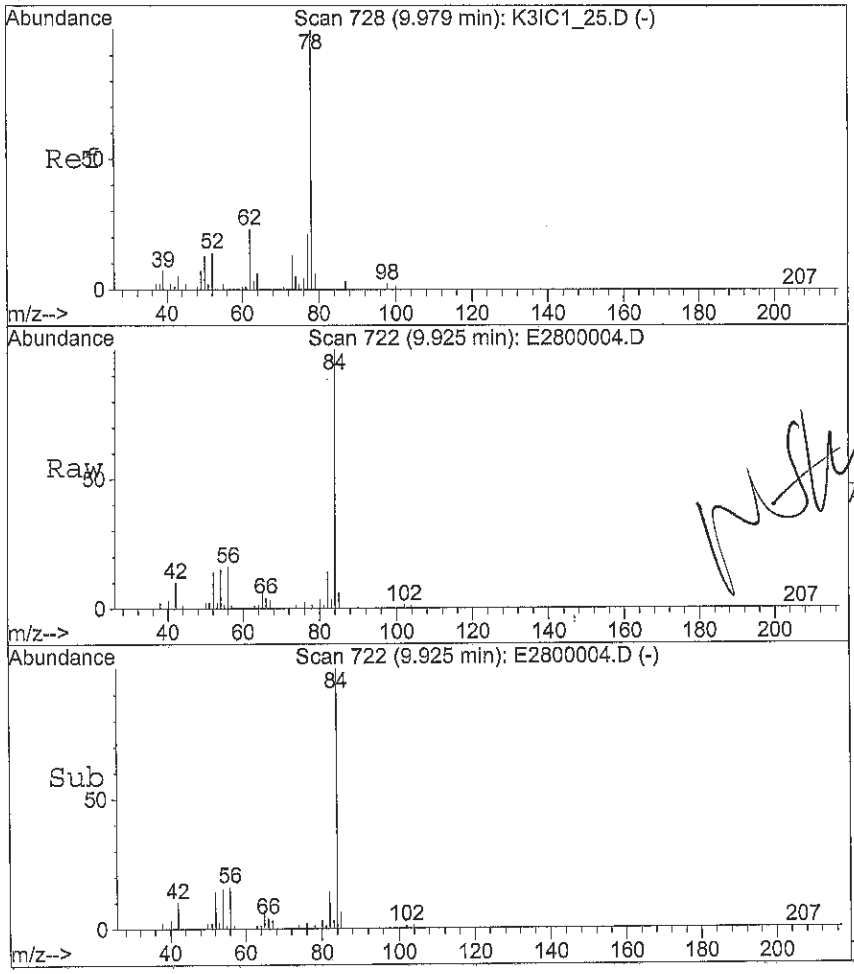


#29
1,1-Dichloropropene
Concen: 0.04 ug/L
RT: 9.92 min Scan# 721
Delta R.T. 0.23 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 75 Resp: 254

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	1042.9	25.0	37.4#

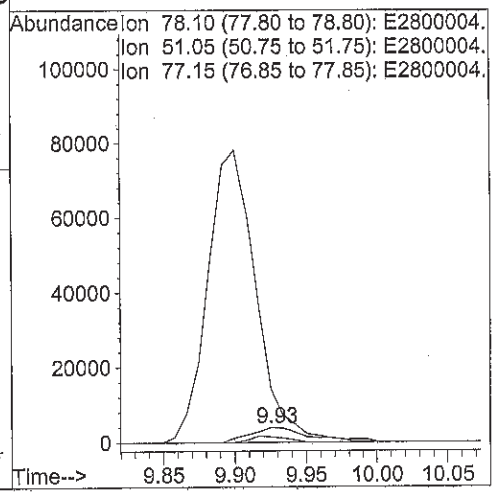


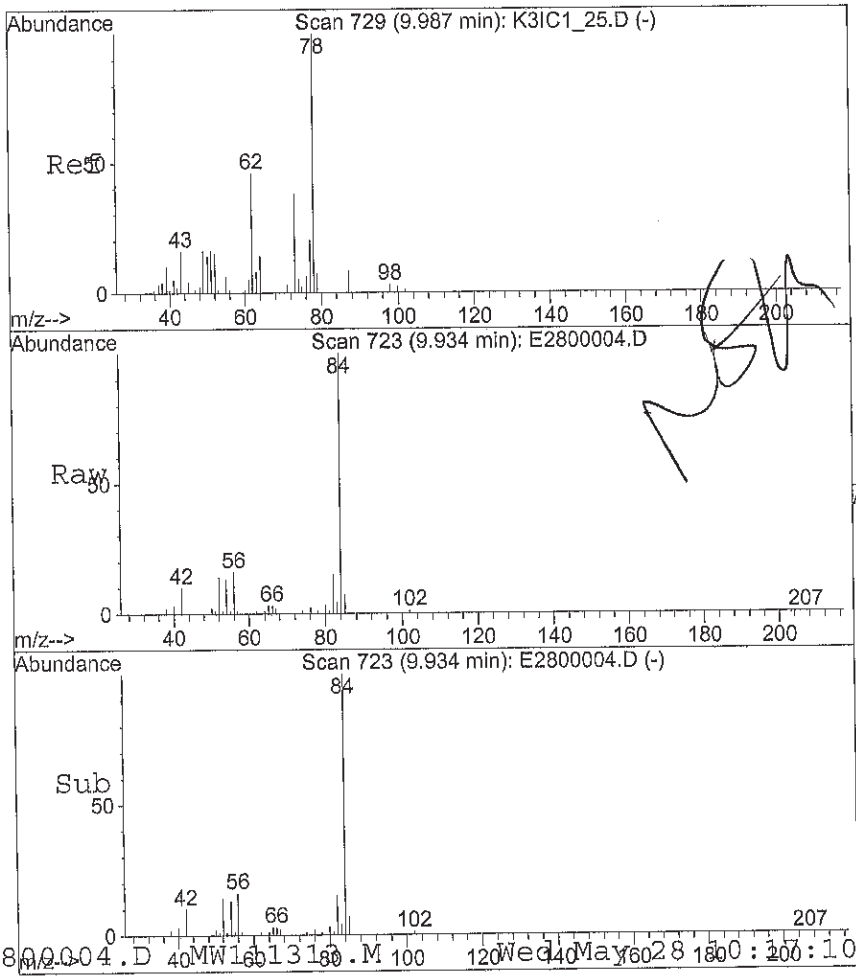


#31
Benzene
Concen: 0.74 ug/L
RT: 9.93 min Scan# 722
Delta R.T. -0.05 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 78 Resp: 11131

Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	23.8	16.6	24.8

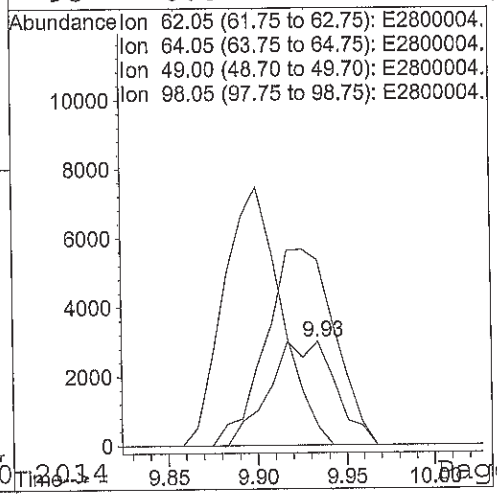


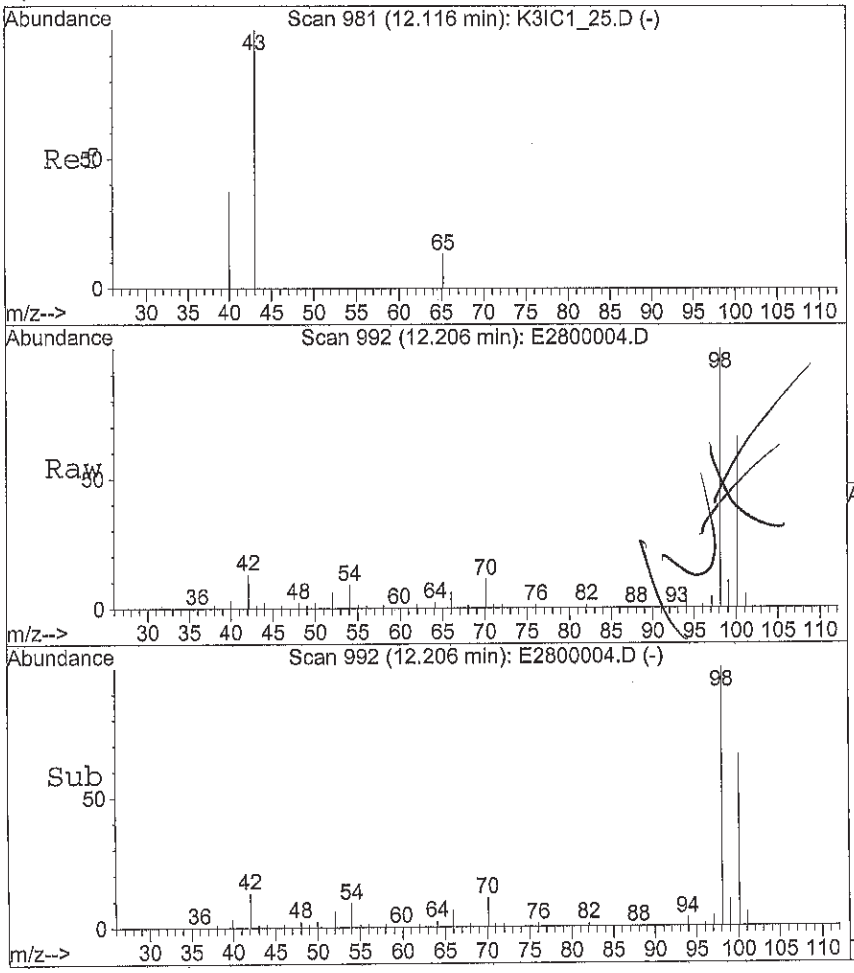


#32
1,2-Dichloroethane
Concen: 1.45 ug/L
RT: 9.93 min Scan# 723
Delta R.T. -0.05 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 62 Resp: 7685

Ion	Ratio	Lower	Upper
62	100		
64	198.2	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

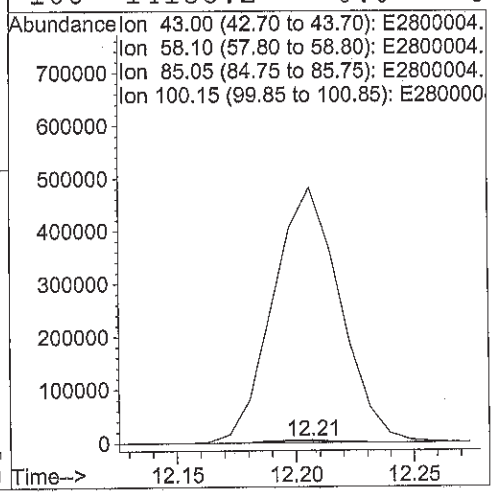


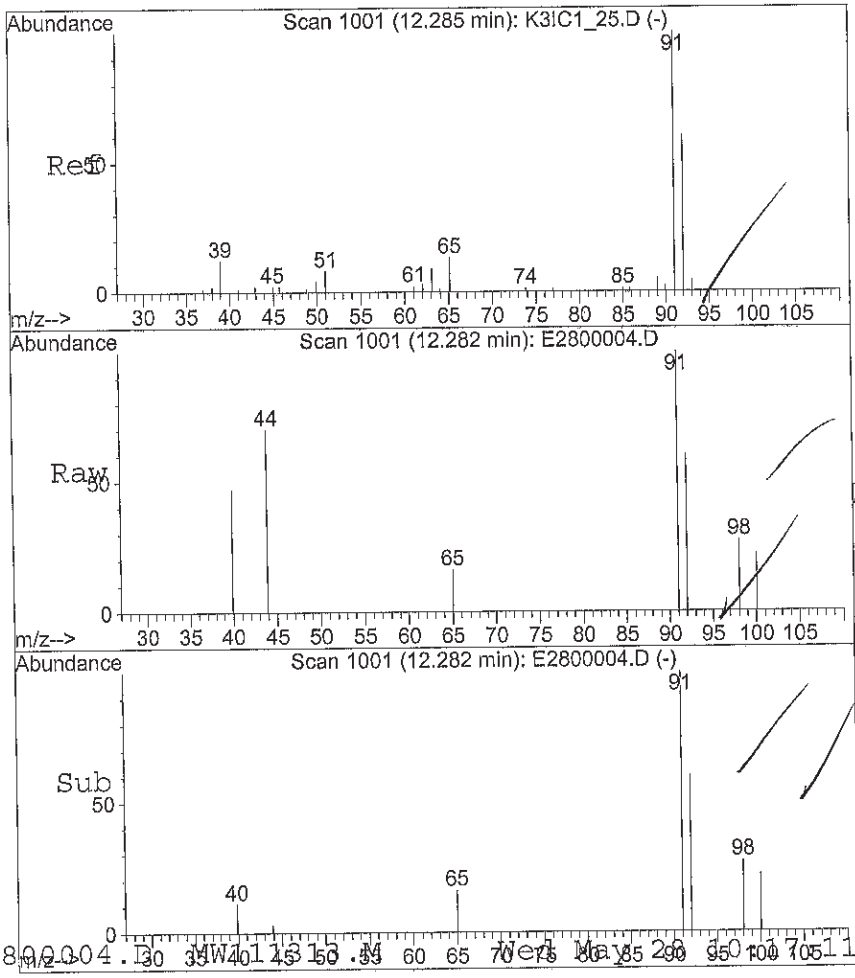


#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 2.71 ug/L
RT: 12.21 min Scan# 992
Delta R.T. 0.09 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 43 Resp: 6666

Ion	Ratio	Lower	Upper
43	100		
58	156.8	0.0	0.0#
85	0.0	0.0	0.0
100	14186.2	0.0	0.0#

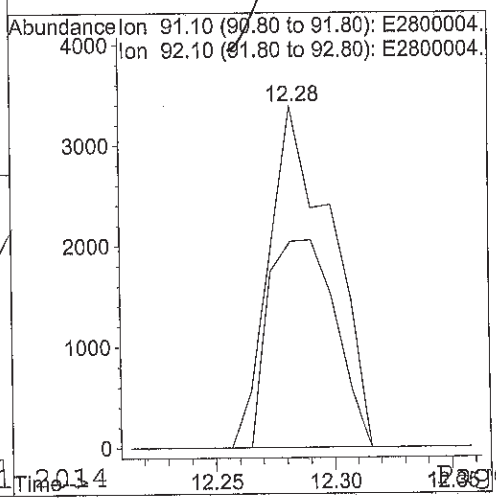


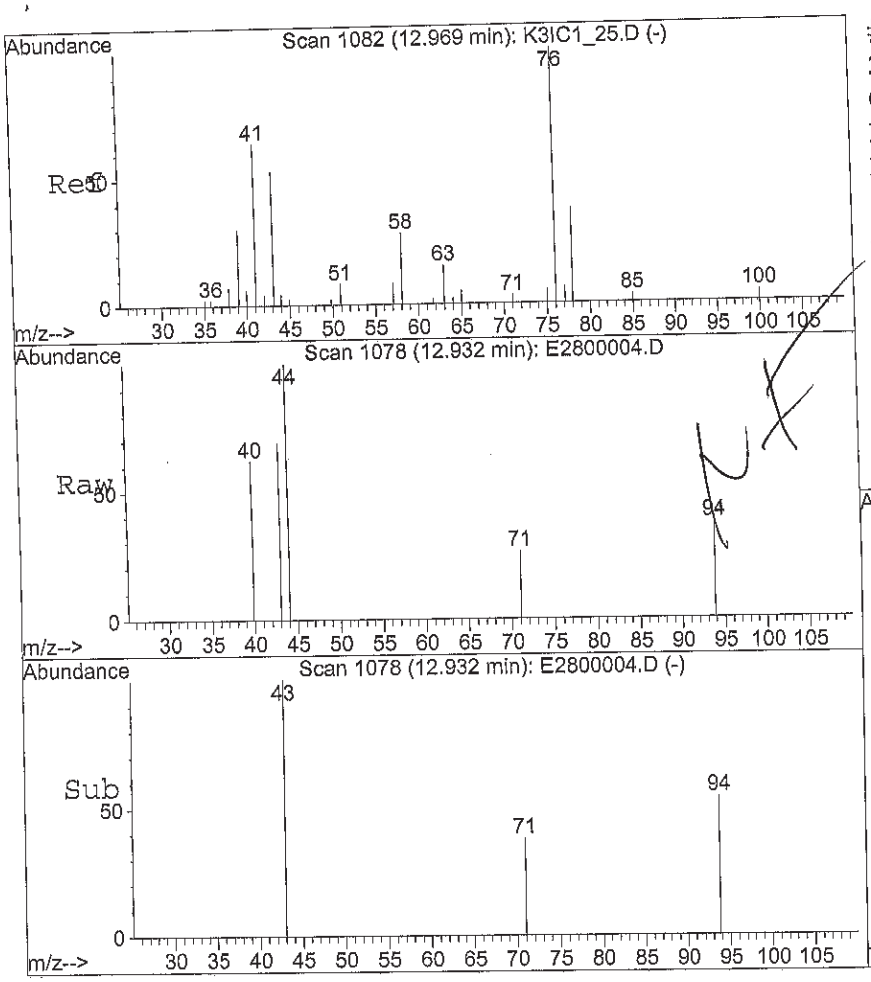


#41
Toluene
Concen: 0.37 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 91 Resp: 6141

Ion	Ratio	Lower	Upper
91	100		
92	65.3	47.4	71.0

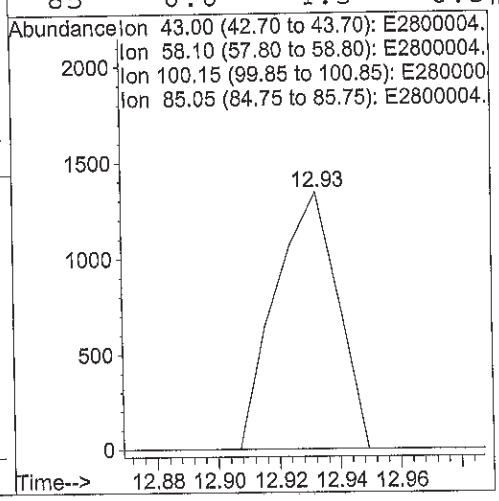


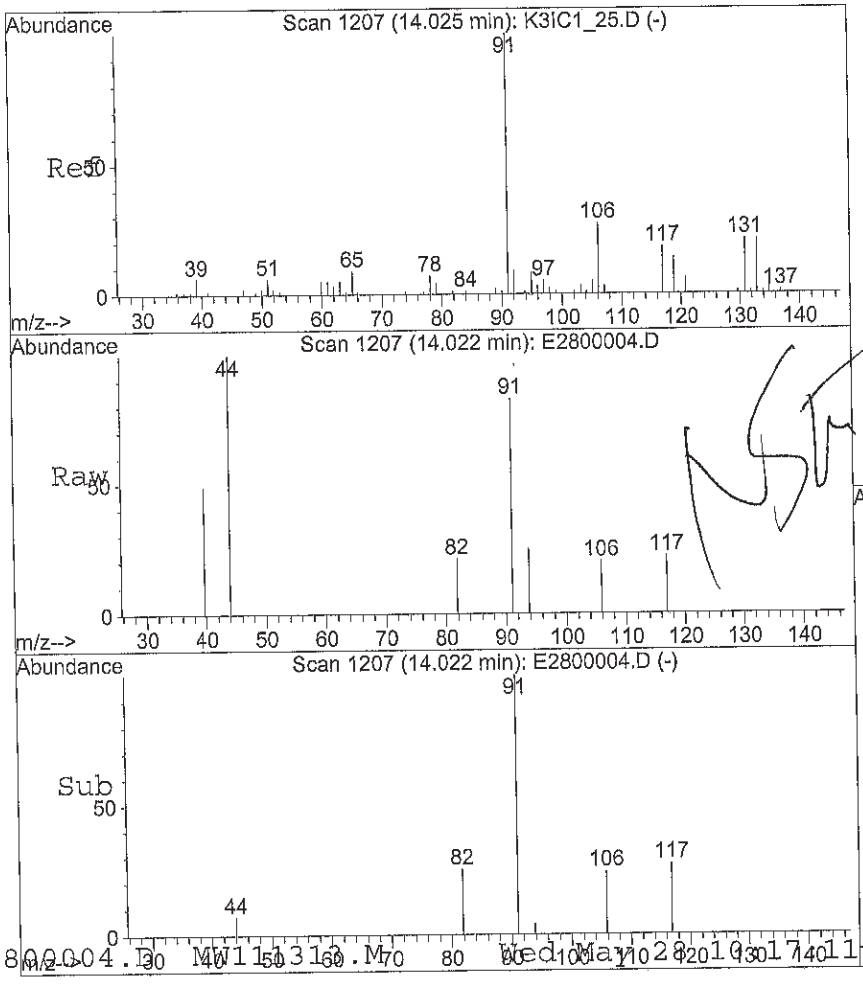


#46
2-Hexanone
Concen: 0.71 ug/L
RT: 12.93 min Scan# 1078
Delta R.T. -0.04 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 43 Resp: 1905

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

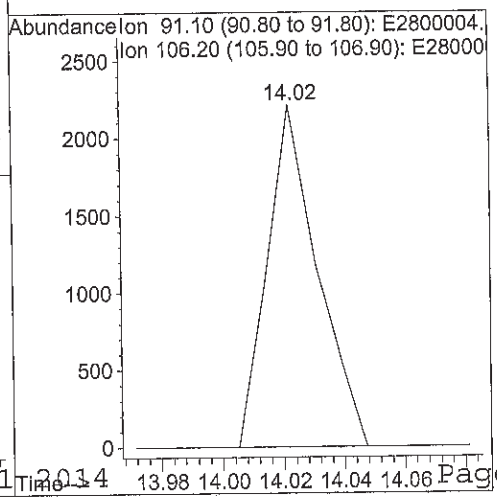


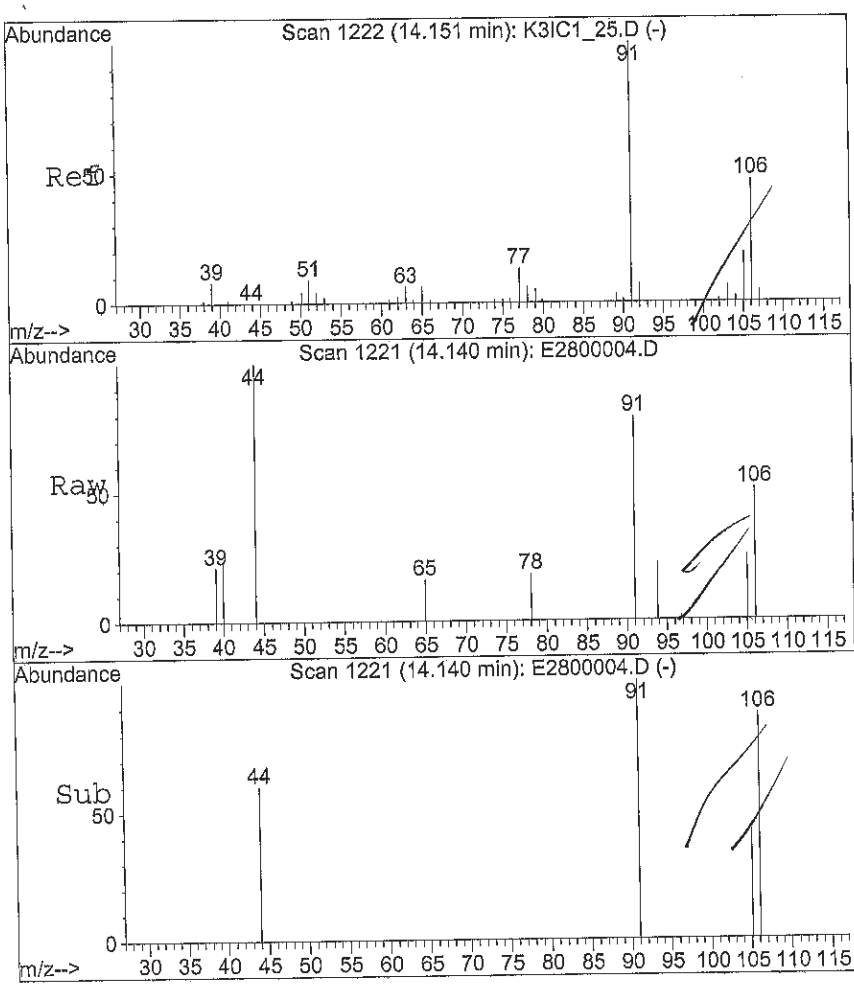


#51
Ethylbenzene
Concen: 0.13 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 91 Resp: 2528

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	35.3#

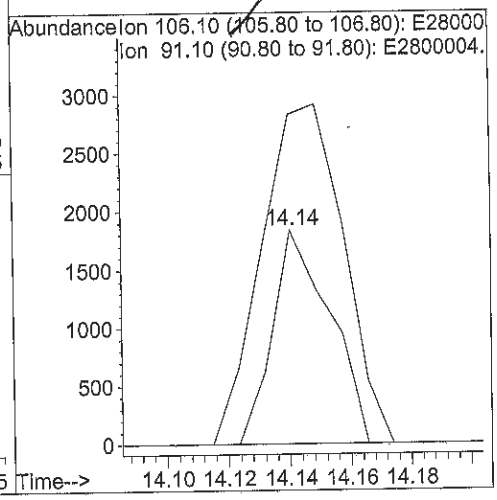


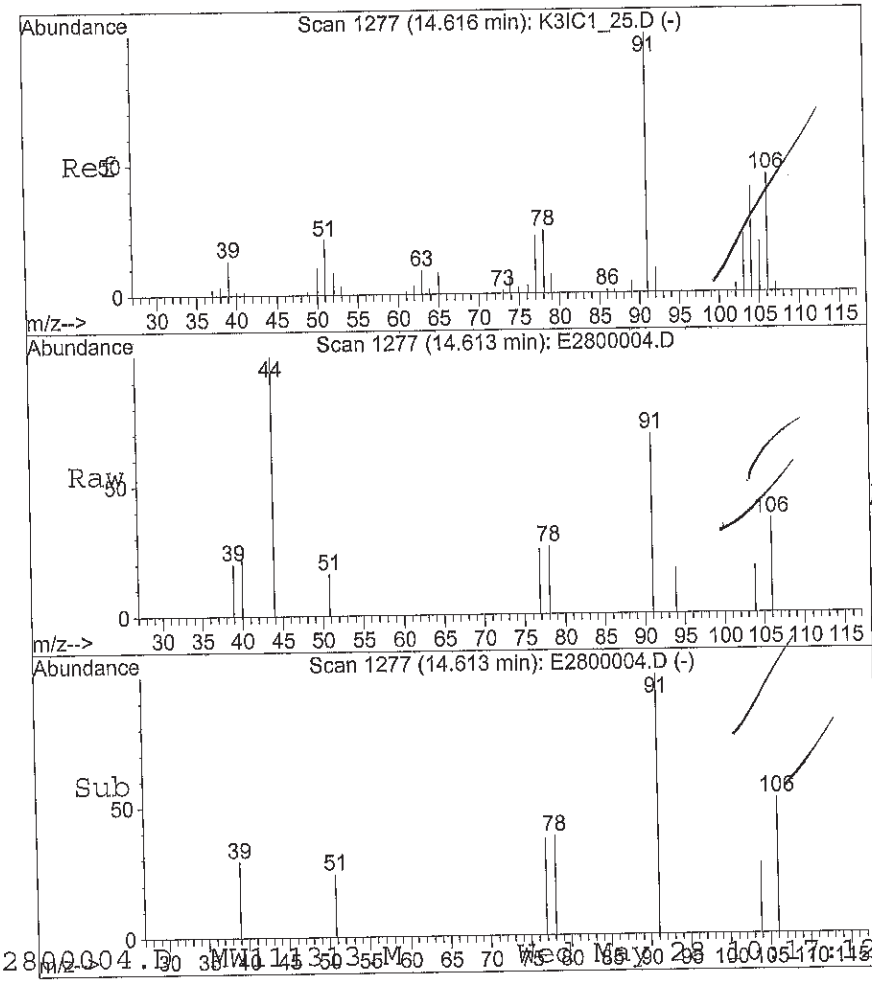


#52
m,p-Xylenes
Concen: 0.35 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:106 Resp: 2389

Ion	Ratio	Lower	Upper
106	100		
91	225.4	177.1	265.7

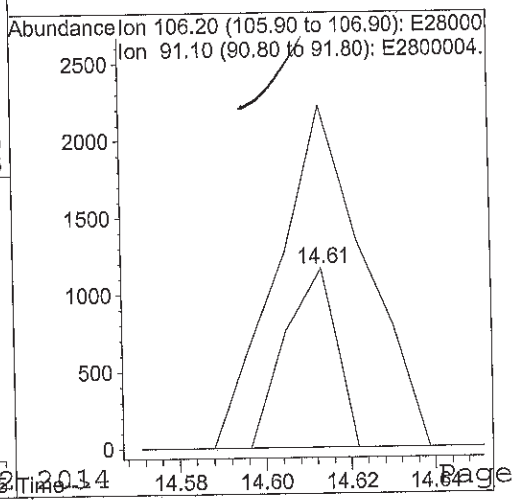


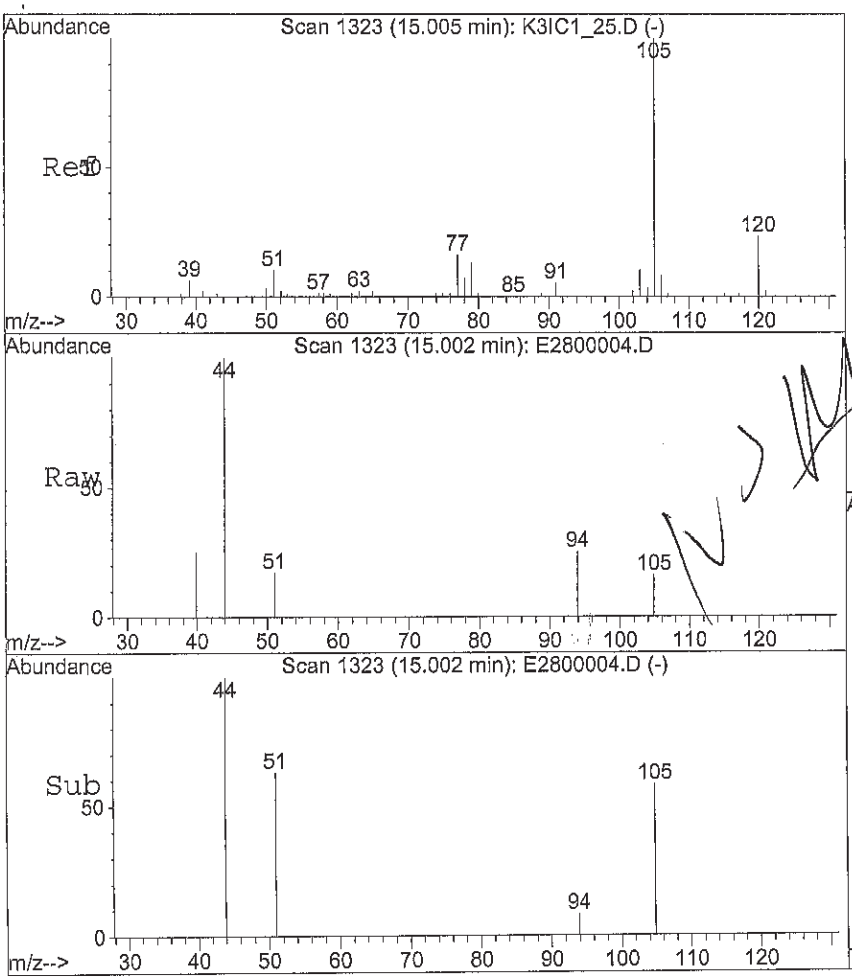


#53
o-Xylene
Concen: 0.15 ug/L
RT: 14.61 min Scan# 1277
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:106 Resp: 976

Ion	Ratio	Lower	Upper
106	100		
91	327.3	179.0	268.6#

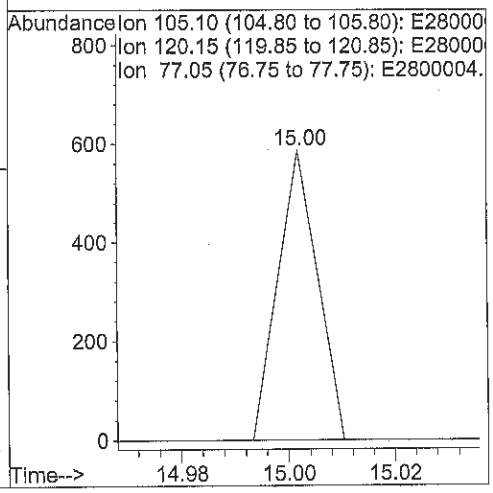


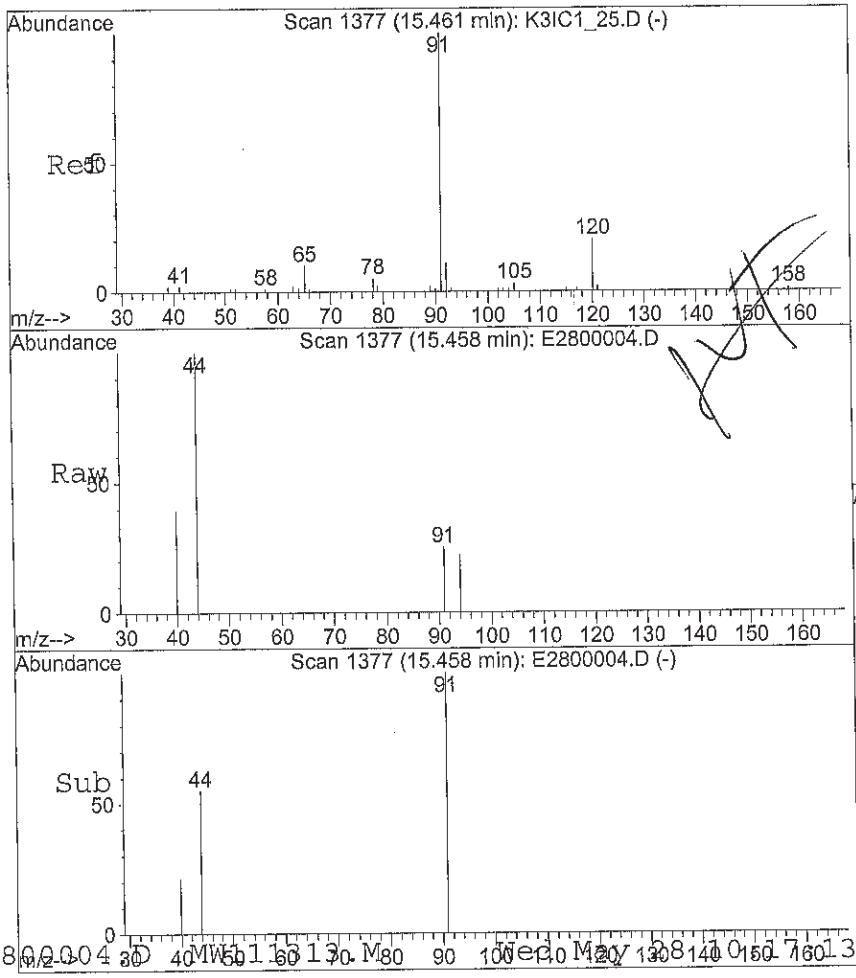


#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:105 Resp: 297

Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	0.0	13.1	19.7#

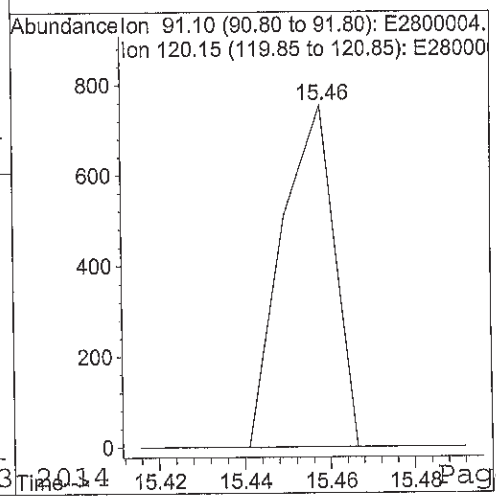


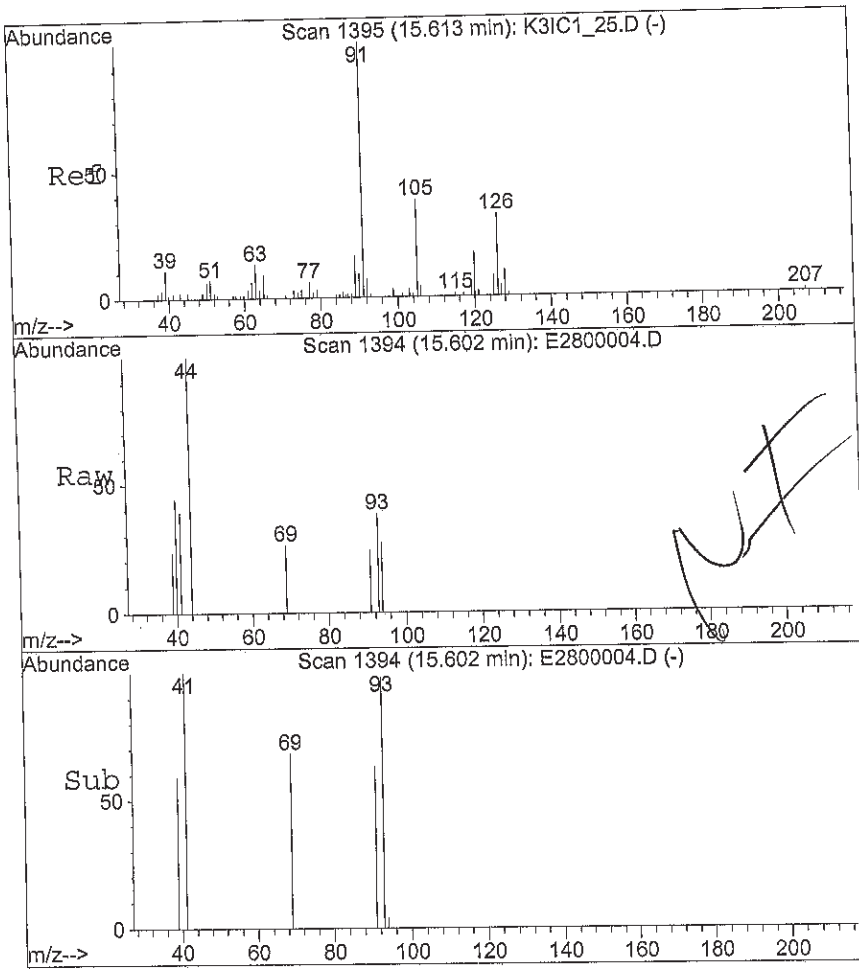


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 91 Resp: 641

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

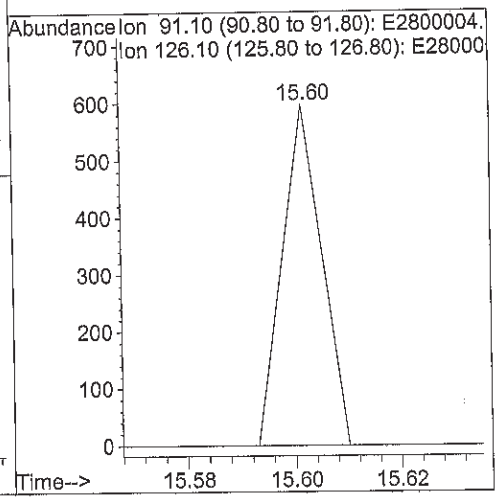


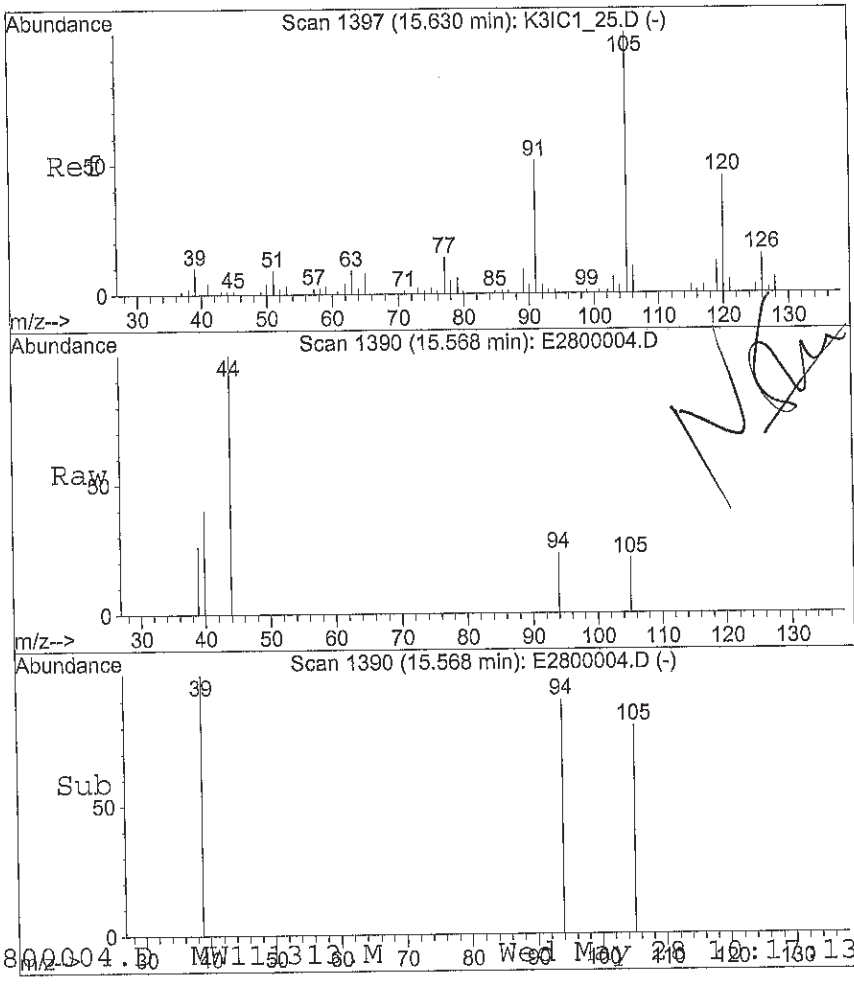


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 91 Resp: 302

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

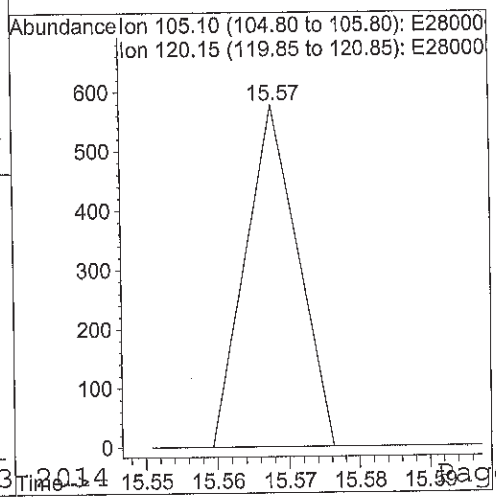


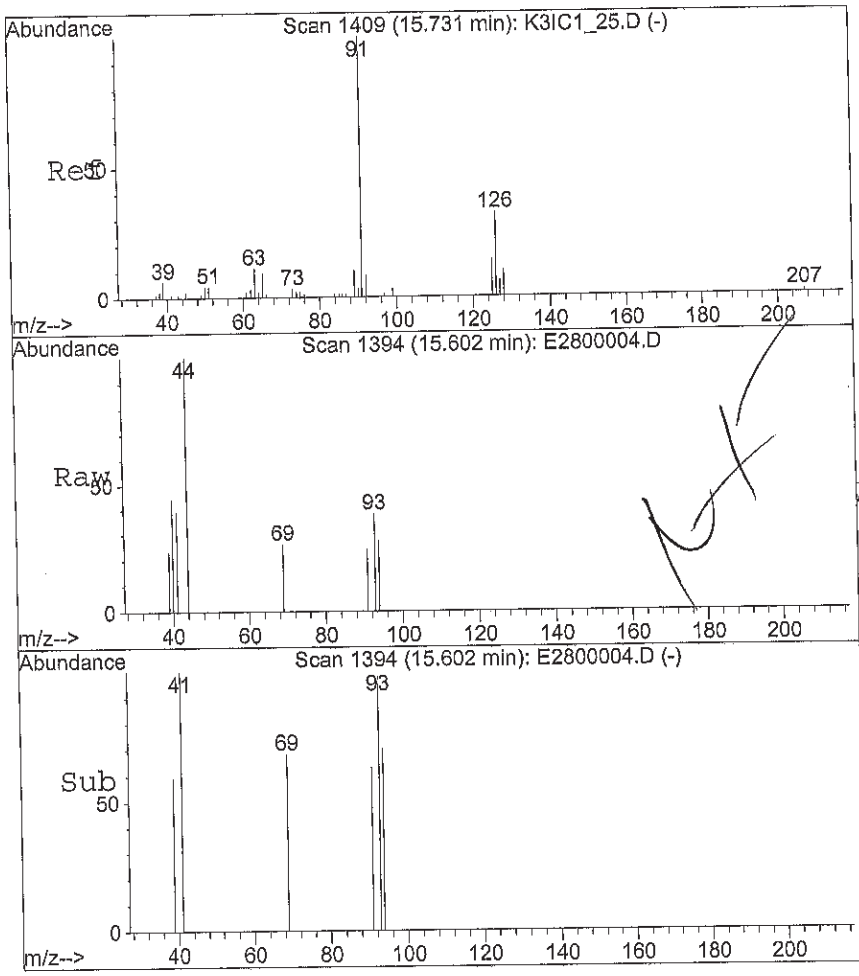


#64
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 15.57 min Scan# 1390
Delta R.T. -0.06 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:105 Resp: 292

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

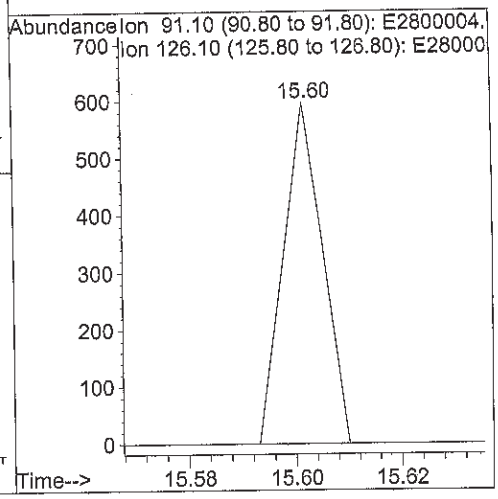


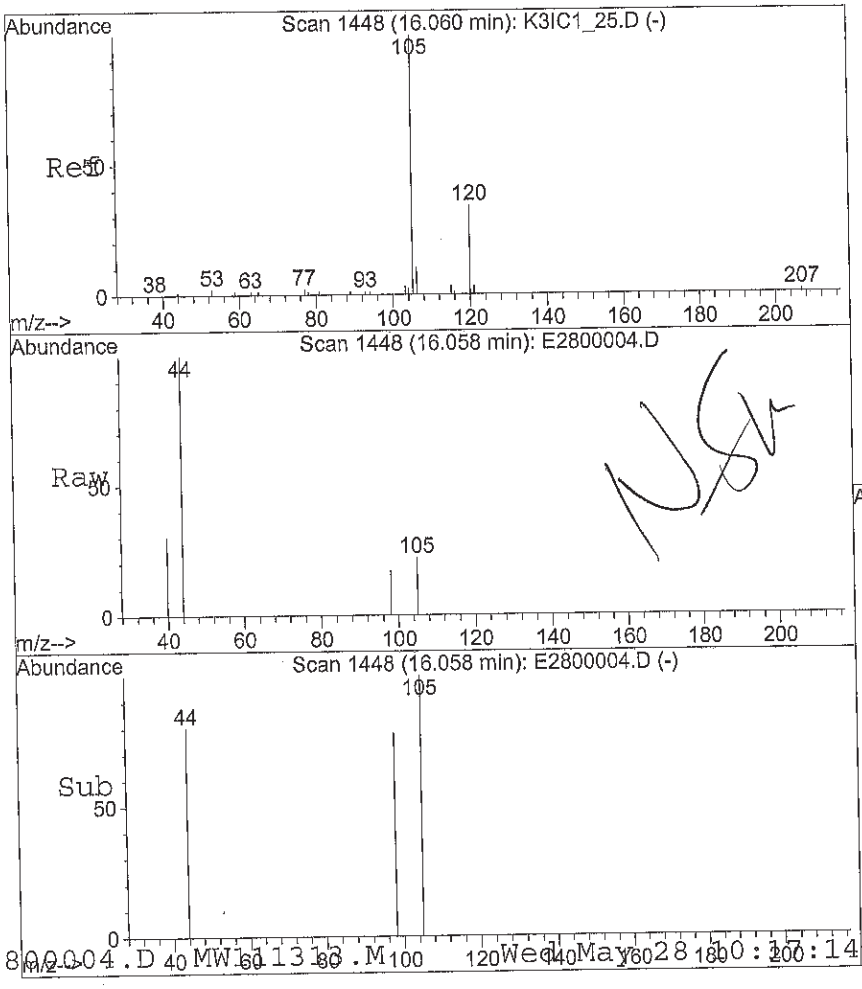


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion: 91 Resp: 302

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

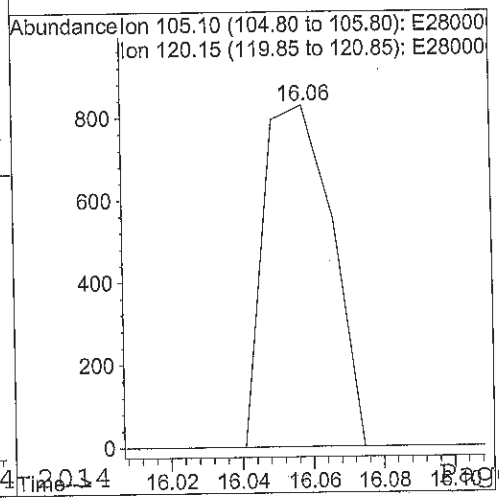


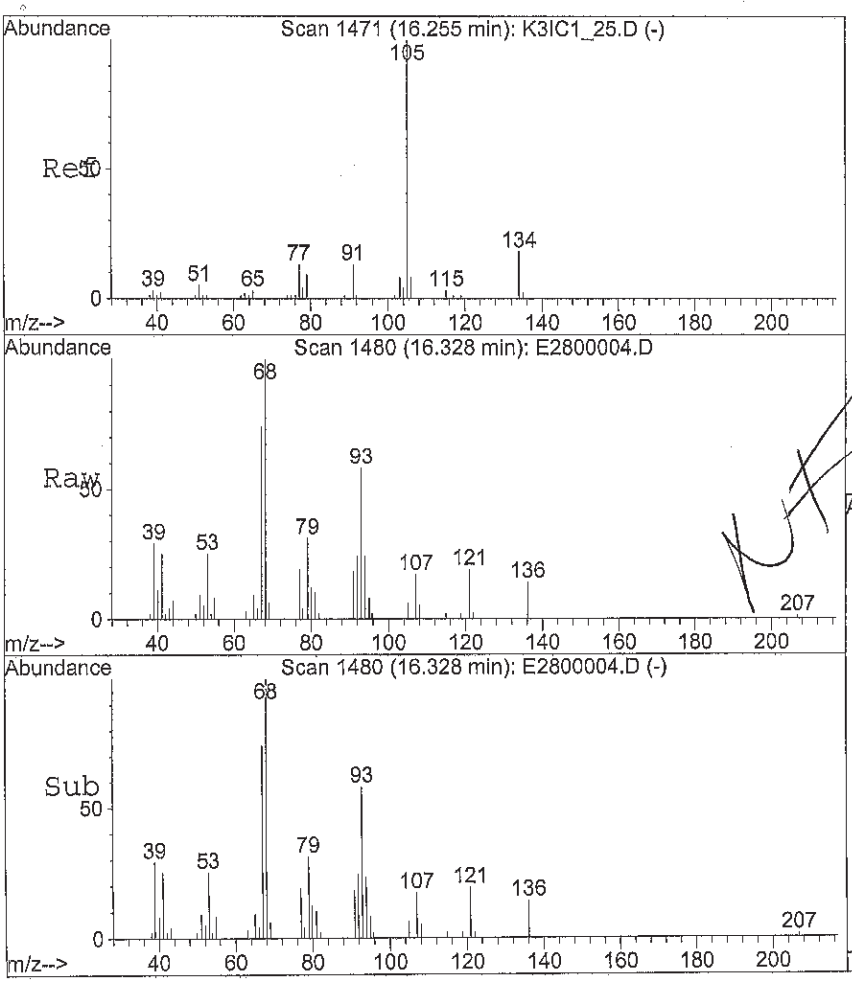


#67
1,2,4-Trimethylbenzene
Concen: 0.06 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:105 Resp: 1104

Ion	Ratio	Lower	Upper
105	100		
120	0.0	33.8	50.8#

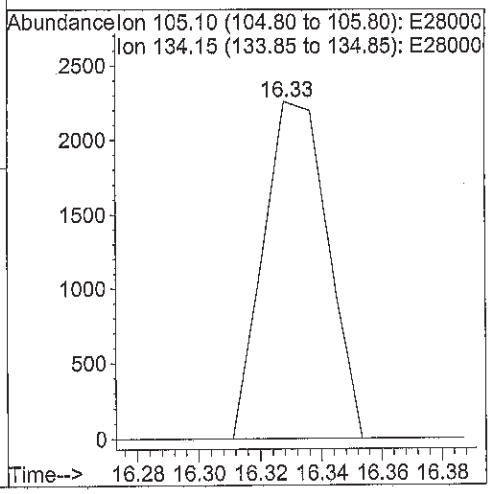


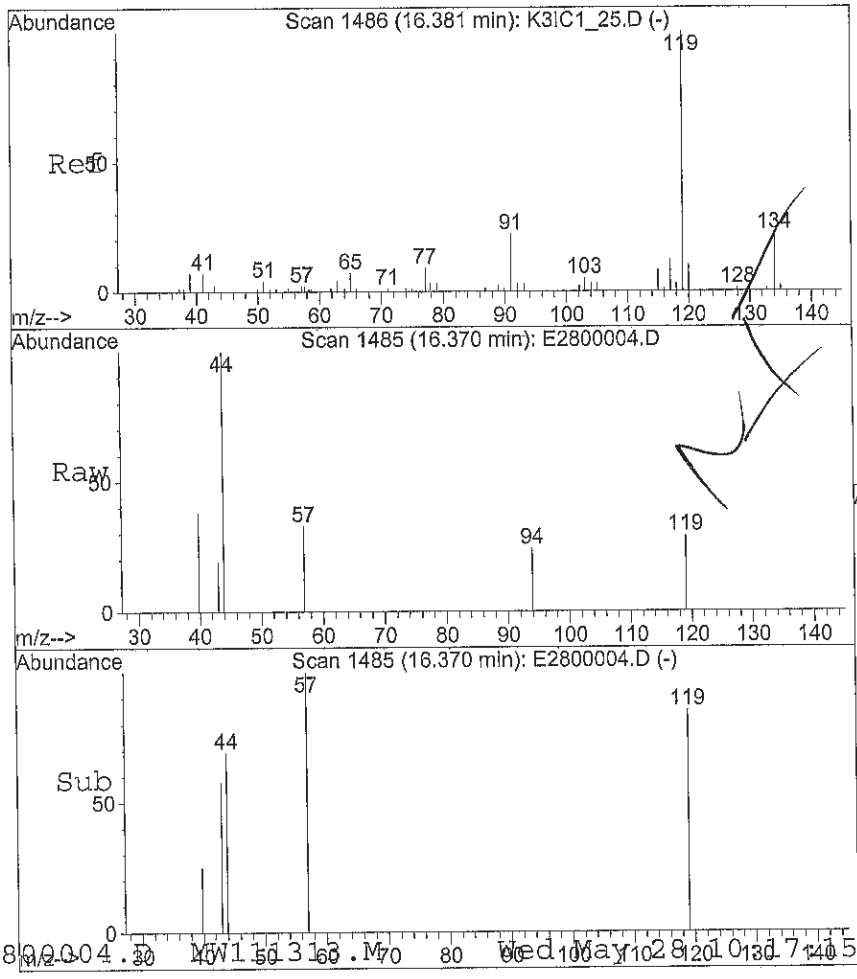


#68
sec-Butylbenzene
Concen: 0.15 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.07 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:105 Resp: 3272

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

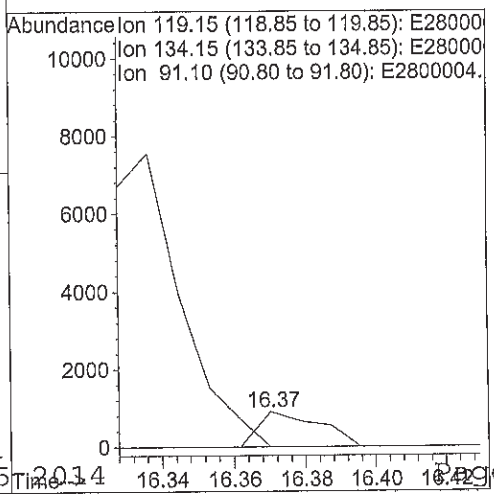




#69
p-Isopropyltoluene
Concen: 0.06 ug/L
RT: 16.37 min Scan# 1485
Delta R.T. -0.01 min
Lab File: E2800004.D
Acq: 28 May 2014 9:49 am

Tgt Ion:119 Resp: 1069

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800004.D Vial: 3
Acq On : 28 May 2014 9:49 am Operator: DN
Sample : 3E42801-03 Inst : GC/MS Ins
Misc : 100cc SVL-815-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:17 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1588325	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1230604	12.50	ug/L	-0.02
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	662439	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	467461	11.32	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 90.56%			
3) Chloroform-d (SU6)	9.18	84	743312	12.54	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 100.32%			
4) Methylene Chloride-d2 (SU5	7.07	86	411111	11.87	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 94.96%			
5) 1,2-Dichloroethane-d4 (SU2	9.90	65	447278	15.84	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 126.72%#			
6) Benzene-d6 (SU7)	9.93	84	1392764	11.17	ug/L	-0.03
Spiked Amount 12.500	Range 70 - 140		Recovery = 89.36%			
8) Toluene-d8 (SU3)	12.21	98	1406762	12.05	ug/L	-0.02
Spiked Amount 12.500	Range 75 - 125		Recovery = 96.40%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	693511	14.39	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 115.12%			

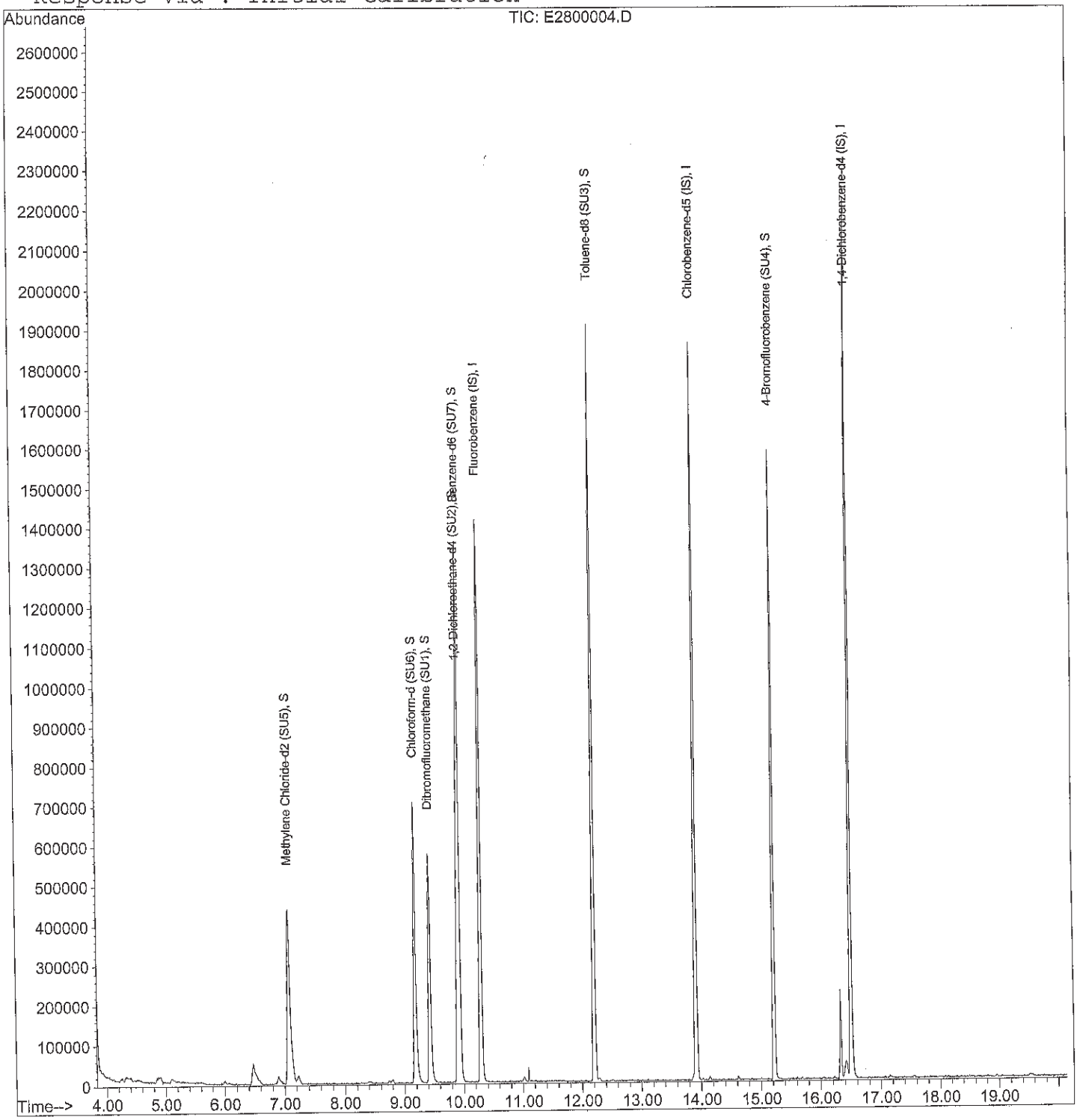
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800004.D Vial: 3
Acq On : 28 May 2014 9:49 am Operator: DN
Sample : 3E42801-03 Inst : GC/MS Ins
Misc : 100cc SVL-815-SA5D-SV-5.0-6.0 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:17 19114 Quant Results File: SS072713.RES

Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800005.D Vial: 4
Acq On : 28 May 2014 10:19 am Operator: DN
Sample : 3E42801-04 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-12.5-13.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:42 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1591812	12.50	ug/L	0.00
38) Chlorobenzene-d5 (IS)	13.91	117	1232045	12.50	ug/L	0.00
59) 1,4-Dichlorobenzene-d4 (IS	16.51	152	673028	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	445744	11.23	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 89.84%			
28) 1,2-Dichloroethane-d4 (SU2	9.89	65	442549	11.73	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 93.84%			
39) Toluene-d8 (SU3)	12.21	98	1397374	12.16	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 97.28%			
58) 4-Bromofluorobenzene (SU4)	15.22	95	685176	13.60	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 108.80%			
Target Compounds						Qvalue
4) Chloromethane	4.40	50	5074	0.68	~~ug/L~~ #	41
6) Bromomethane	5.11	96	6639	2.01	~~ug/L~~ #	4
7) Chloroethane	5.32	64	880	1.35	~~ug/L~~	90
11) Acetone	6.47	58	6122	4.97	~~ug/L~~	98
12) (IPA) Leak Check Compound	6.47	45	125299	655.06	~~ug/L~~ #	84
13) Carbon disulfide	6.85	76	6994	0.53	~~ug/L~~ #	76
14) Methylene Chloride	7.07	84	6664	1.52	~~ug/L~~ #	1
15) (TBA) tert-Butanol	6.93	59	607	2.24	~~ug/L~~ #	77
24) Chloroform	9.20	83	3421	0.41	~~ug/L~~ #	57
25) (ETBE) 2-ethoxy 2-methyl p	8.36	59	276	0.02	~~ug/L~~ #	44
29) 1,1-Dichloropropene	9.93	75	365	0.06	~~ug/L~~ #	1
31) Benzene	9.97	78	2221	0.15	~~ug/L~~ #	57
32) 1,2-Dichloroethane	9.92	62	6578	1.24	~~ug/L~~ #	1
40) (MIBK) 4-Methyl-2-Pentanon	12.20	43	7946	3.23	~~ug/L~~ #	100
41) Toluene	12.28	91	46319	2.76	ug/L	96
46) 2-Hexanone	12.92	43	1053	0.39	~~ug/L~~ #	37
51) Ethylbenzene	14.02	91	8269	0.43	ug/L	96
52) m,p-Xylenes	14.14	106	9659	1.42	ug/L	85
53) o-Xylene	14.61	106	2154	0.32	ug/L #	78
54) Styrene	14.62	104	1747	-0.69	~~ug/L~~ #	68
56) Isopropylbenzene	15.00	105	345	0.02	~~ug/L~~ #	1
62) n-Propylbenzene	15.46	91	672	0.02	~~ug/L~~ #	56

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052814L3\E2800005.D Vial: 4
Acq On : 28 May 2014 10:19 am Operator: DN
Sample : 3E42801-04 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-12.5-13.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:42 19114 Quant Results File: MW111313.RES

Quant Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

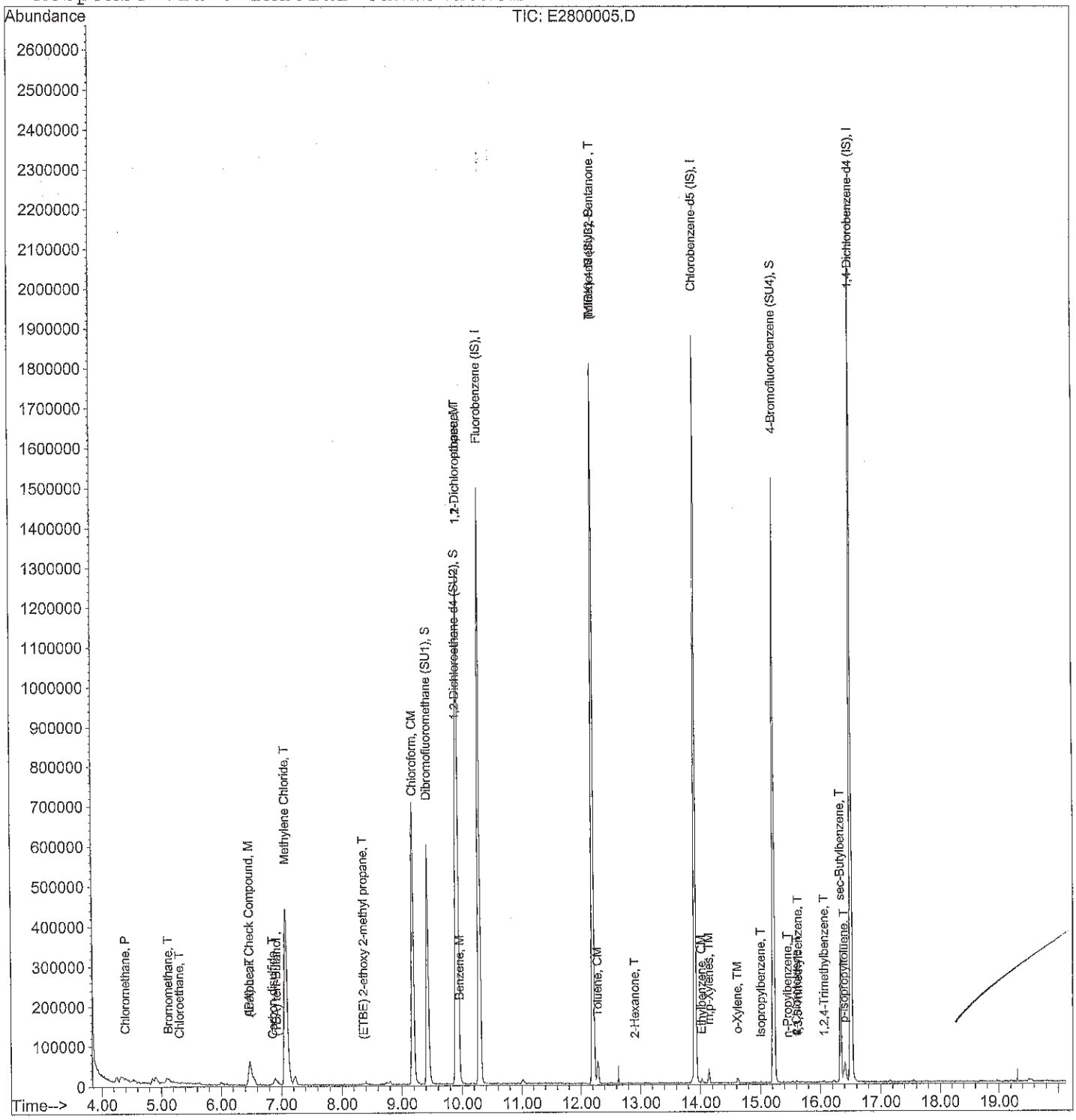
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
63)	2-Chlorotoluene	15.60	91	254	0.02	~~ug/L~~ #	45
64)	1,3,5-Trimethylbenzene	15.63	105	765	0.05	~~ug/L~~ #	31
65)	4-Chlorotoluene	15.60	91	254	0.02	~~ug/L~~ #	44
67)	1,2,4-Trimethylbenzene	16.06	105	1584	0.09	ug/L # 0.0018	62
68)	sec-Butylbenzene	16.33	105	4882	0.22	~~ug/L~~ #	62
69)	p-Isopropyltoluene	16.38	119	1255	0.07	~~ug/L~~ #	52

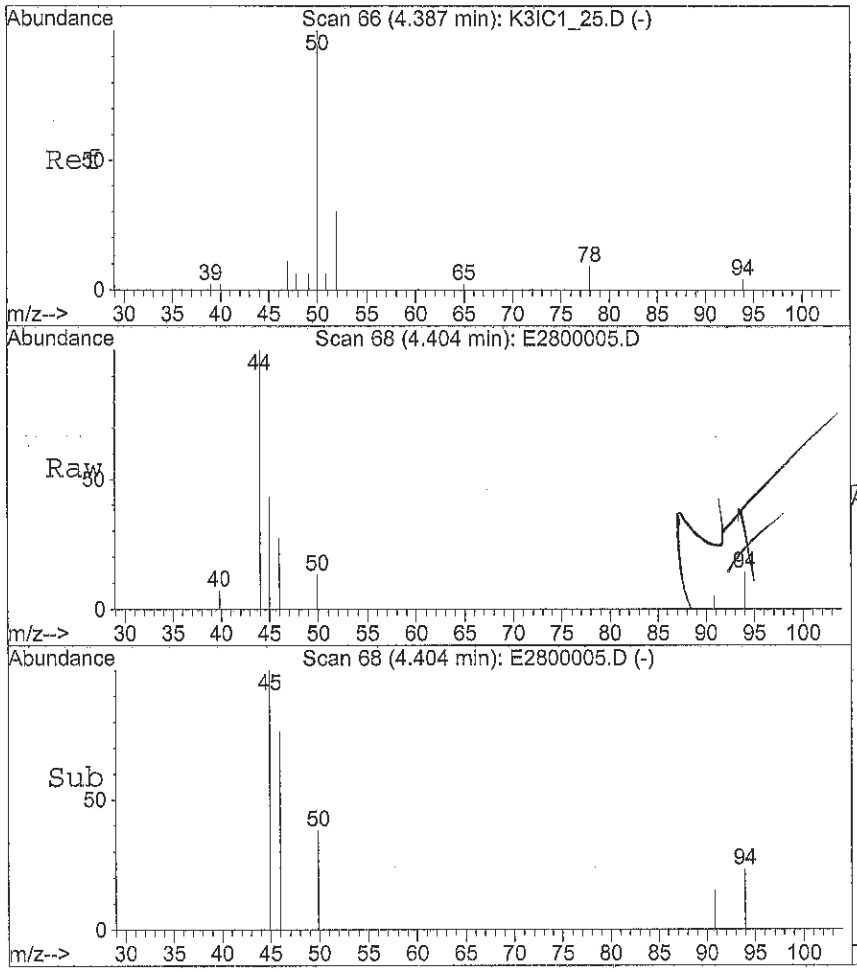
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052814L3\E2800005.D Vial: 4
Acq On : 28 May 2014 10:19 am Operator: DN
Sample : 3E42801-04 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-12.5-13.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:42 19114 Quant Results File: MW111313.RES

Method : C:\HPCHEM\1\METHODS\MW111313.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL 11/13/13 DN
Last Update : Wed Nov 13 19:38:32 2013
Response via : Initial Calibration

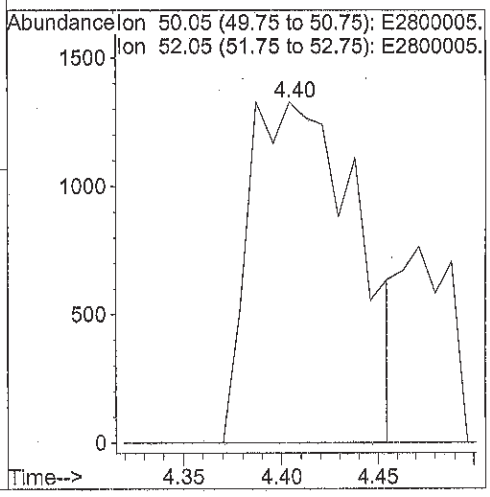


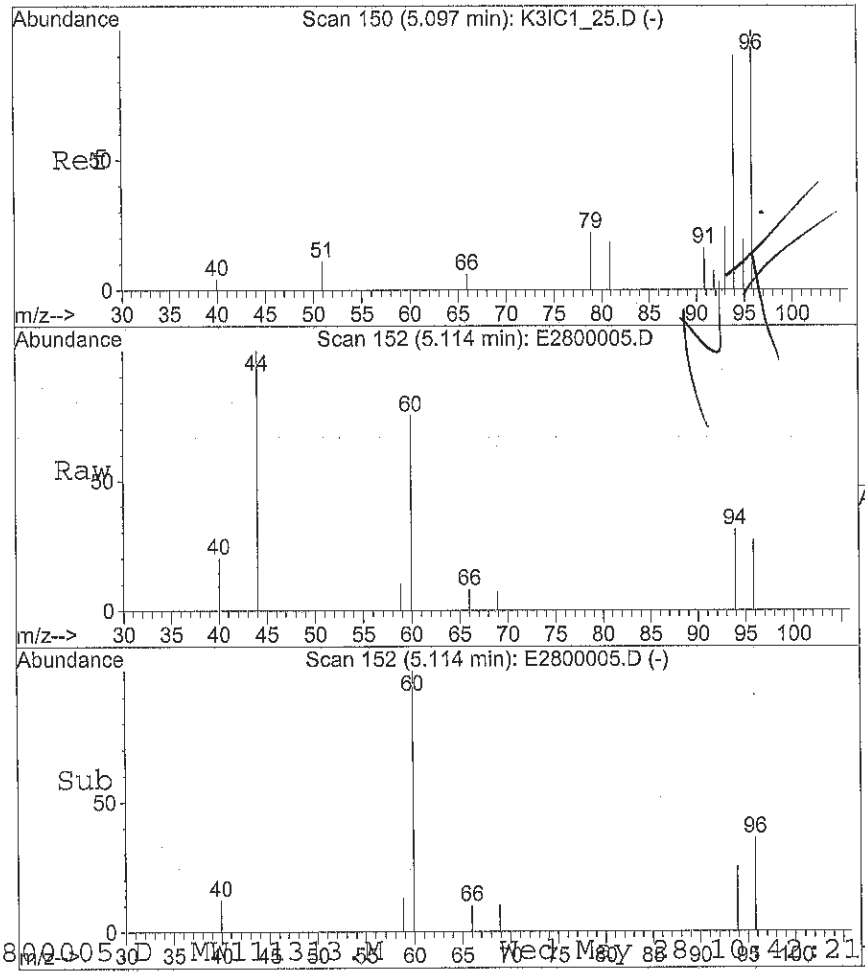


#4
Chloromethane
Concen: 0.68 ug/L
RT: 4.40 min Scan# 68
Delta R.T. 0.02 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 50 Resp: 5074

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.9	40.3#

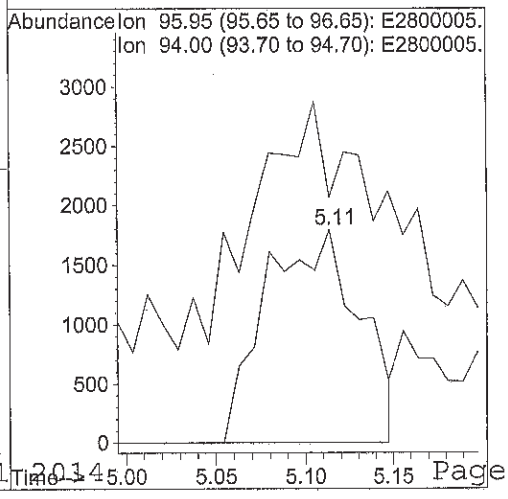


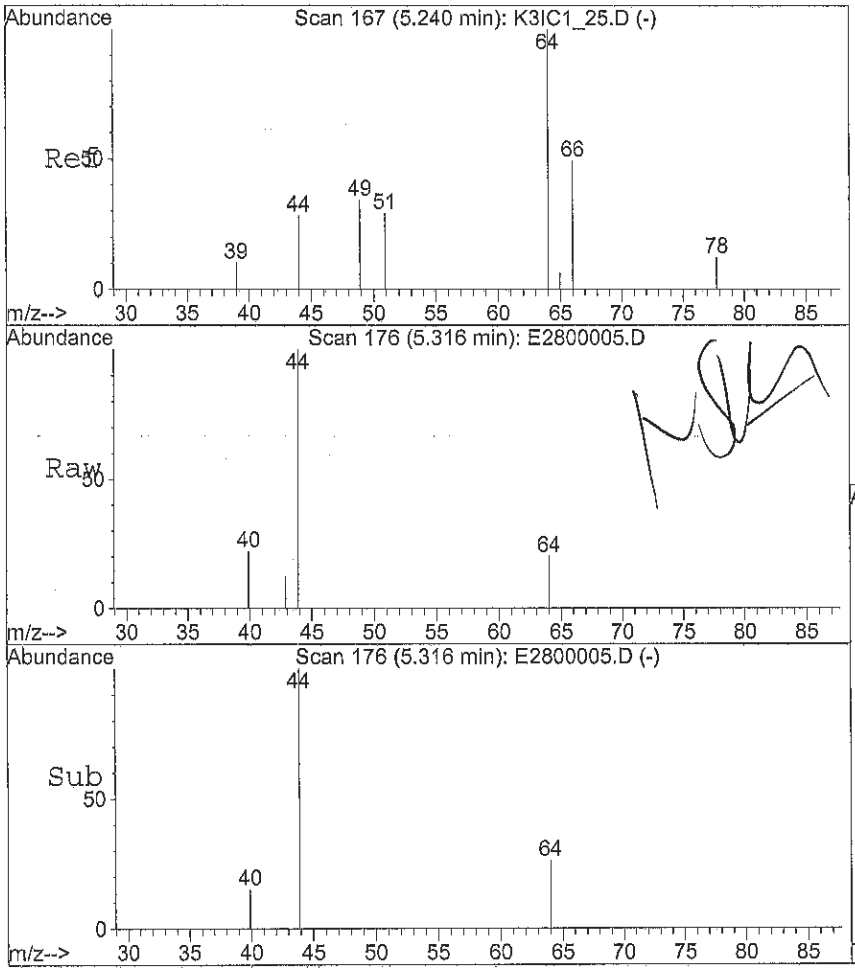


#6
Bromomethane
Concen: 2.01 ug/L
RT: 5.11 min Scan# 152
Delta R.T. 0.02 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 96 Resp: 6639

Ion	Ratio	Lower	Upper
96	100		
94	235.7	101.0	151.4#

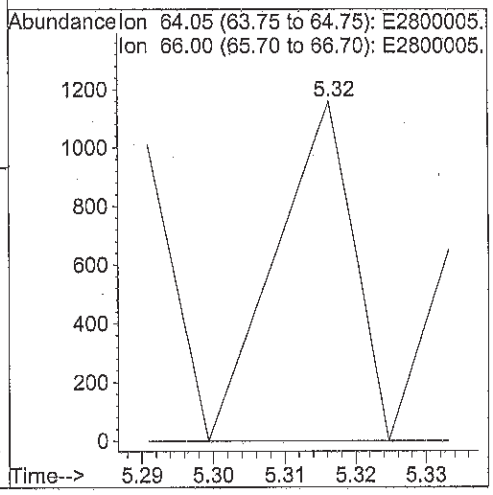


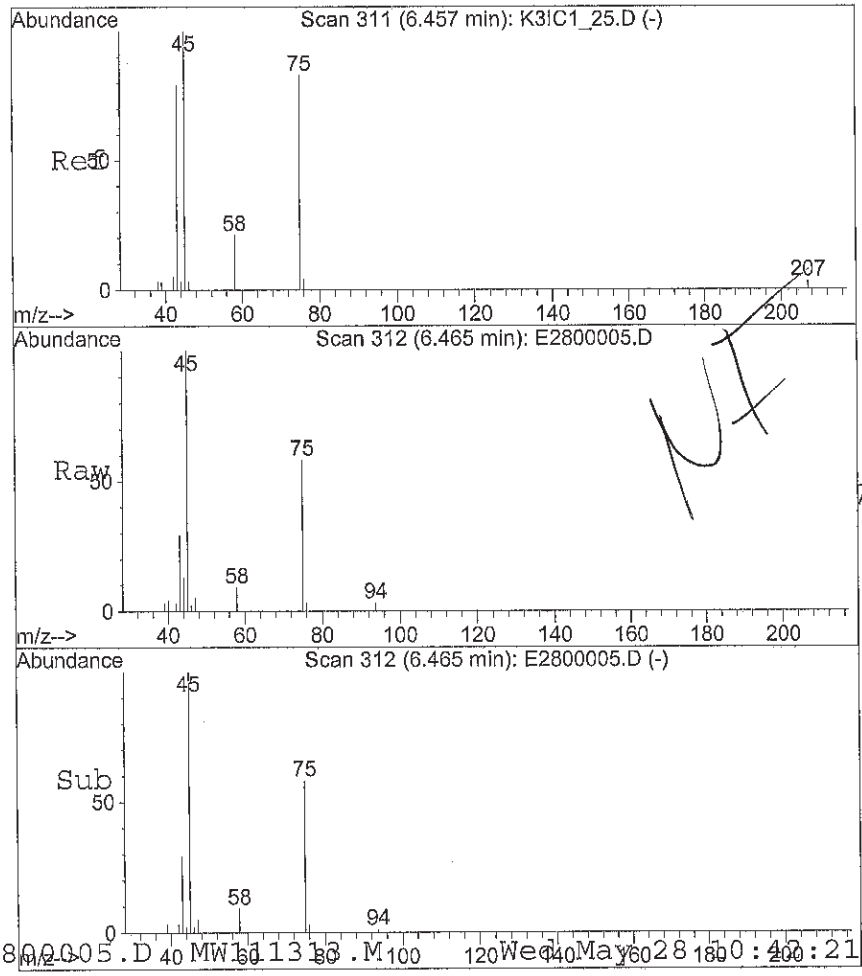


#7
Chloroethane
Concen: 1.35 ug/L
RT: 5.32 min Scan# 176
Delta R.T. 0.08 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 64 Resp: 880

Ion	Ratio	Lower	Upper
64	100		
66	37.5	35.4	53.0

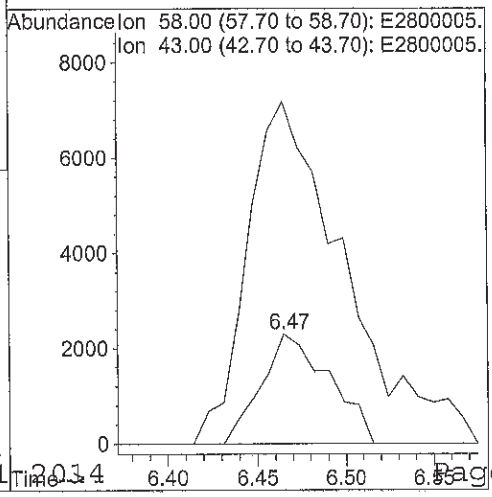


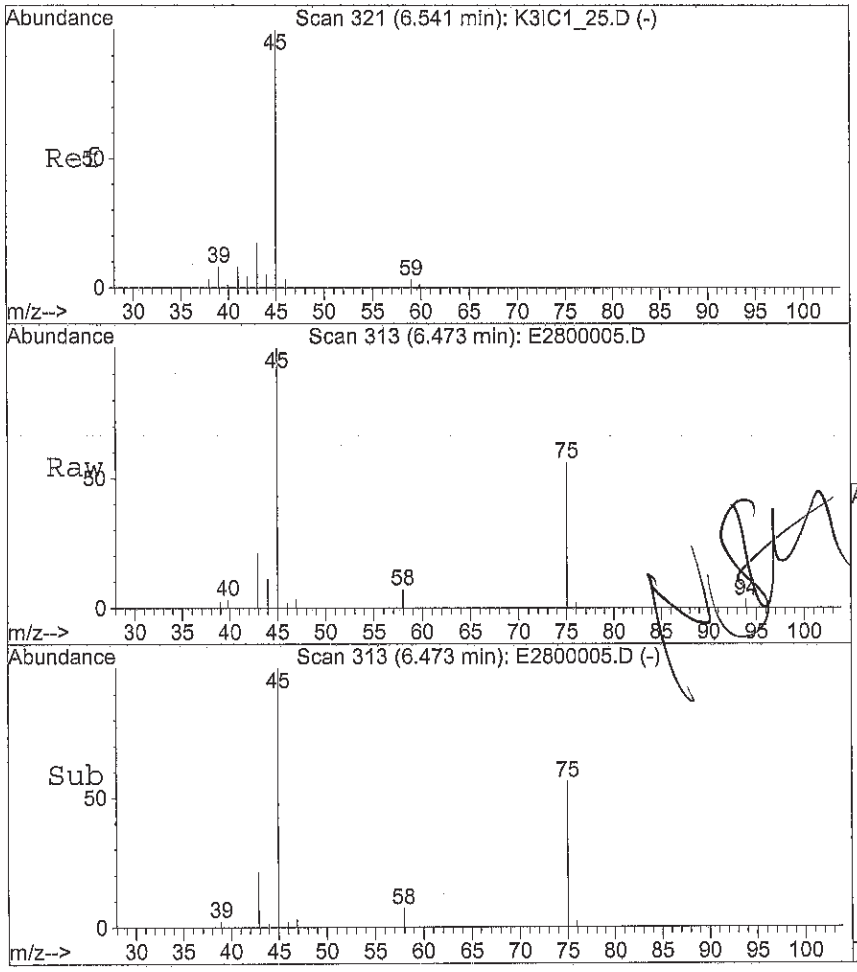


#11
Acetone
Concen: 4.97 ug/L
RT: 6.47 min Scan# 312
Delta R.T. 0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 58 Resp: 6122

Ion	Ratio	Lower	Upper
58	100		
43	446.4	360.9	541.3

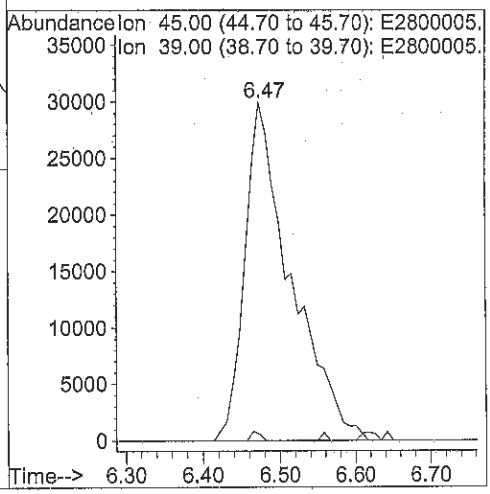


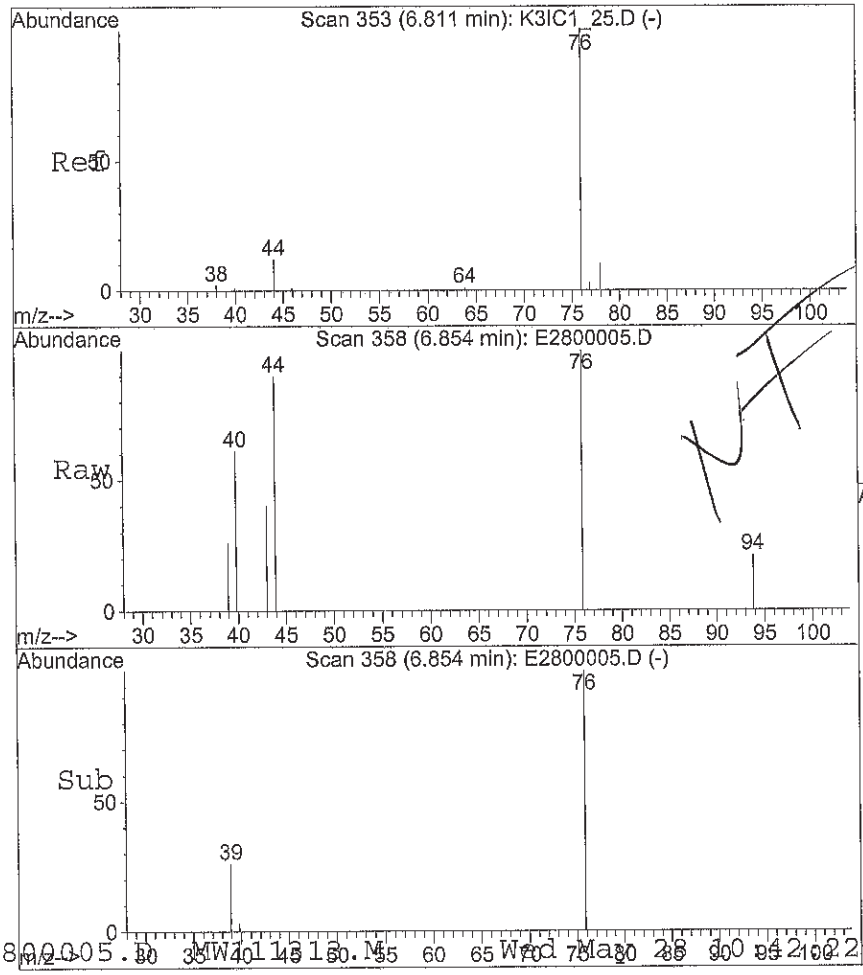


#12
(IPA) Leak Check Compound
Concen: 655.06 ug/L
RT: 6.47 min Scan# 313
Delta R.T. -0.07 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 45 Resp: 125299

Ion	Ratio	Lower	Upper
45	100		
39	0.6	4.9	7.3#

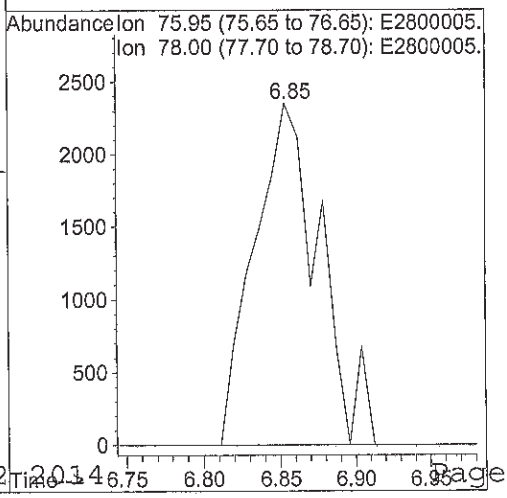


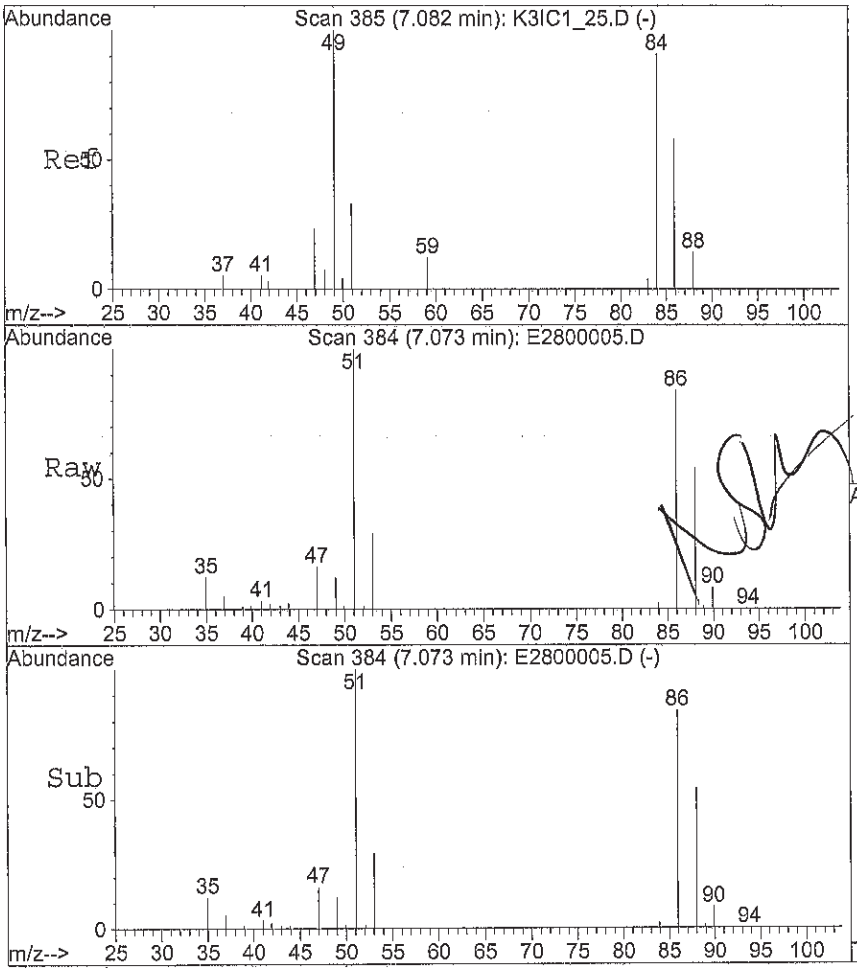


#13
Carbon disulfide
Concen: 0.53 ug/L
RT: 6.85 min Scan# 358
Delta R.T. 0.04 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 76 Resp: 6994

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

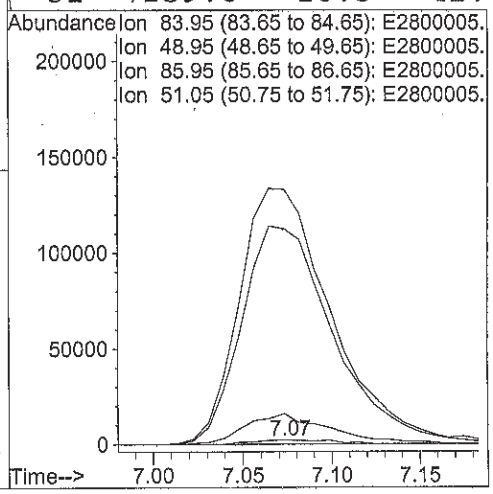


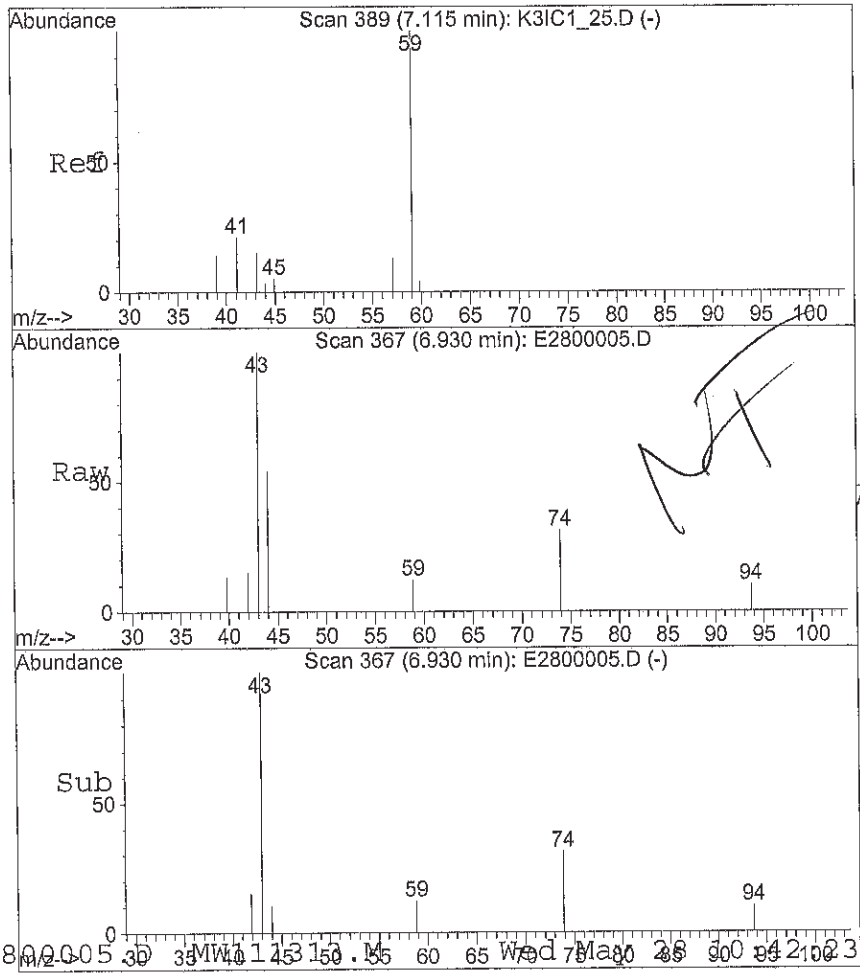


#14
Methylene Chloride
Concen: 1.52 ug/L
RT: 7.07 min Scan# 384
Delta R.T. -0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 84 Resp: 6664

Ion	Ratio	Lower	Upper
84	100		
49	779.7	89.8	134.6#
86	6152.1	51.1	76.7#
51	7259.6	28.5	42.7#

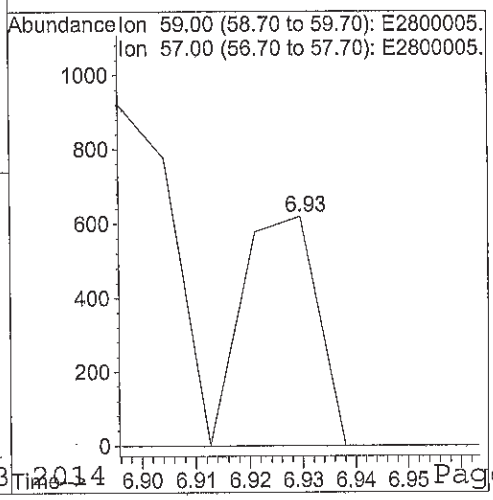


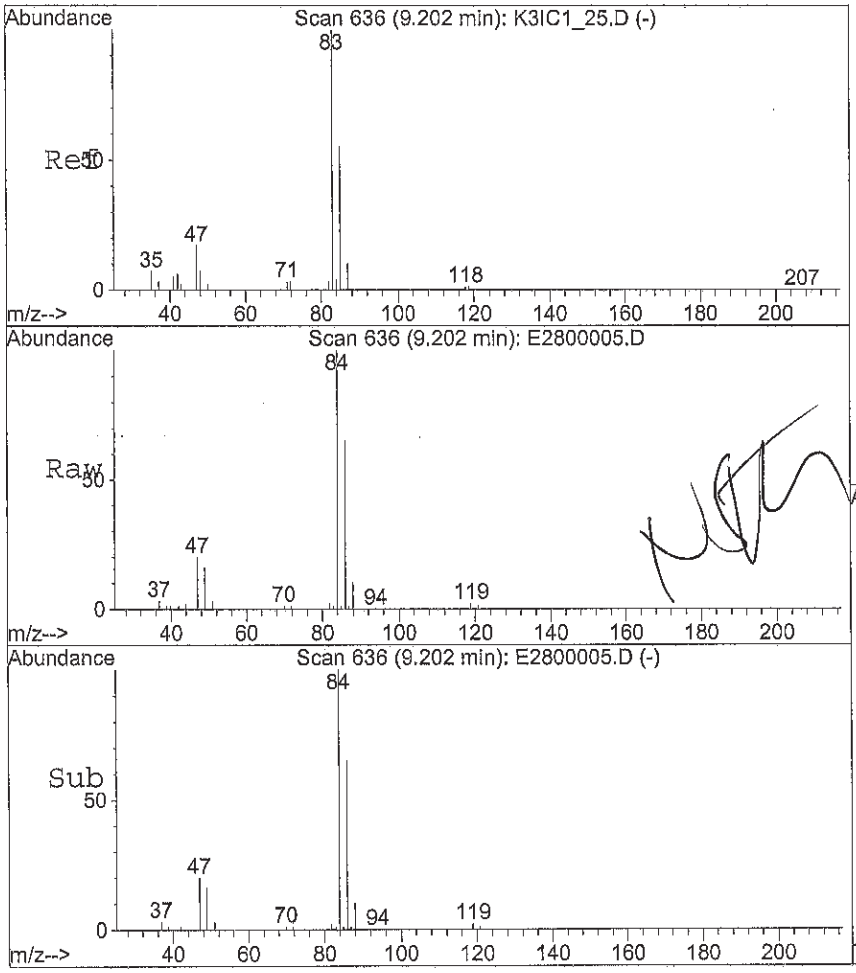


#15
(TBA) tert-Butanol
Concen: 2.24 ug/L
RT: 6.93 min Scan# 367
Delta R.T. -0.19 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 59 Resp: 607

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

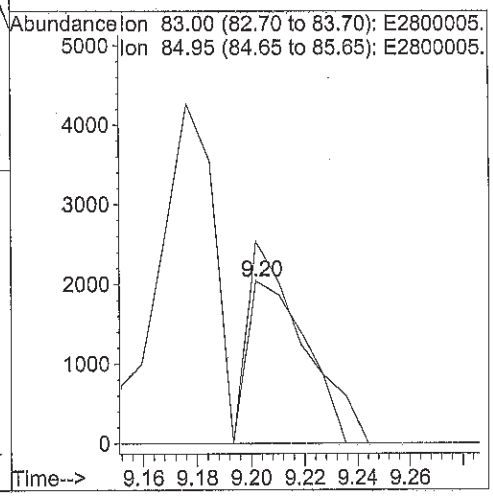


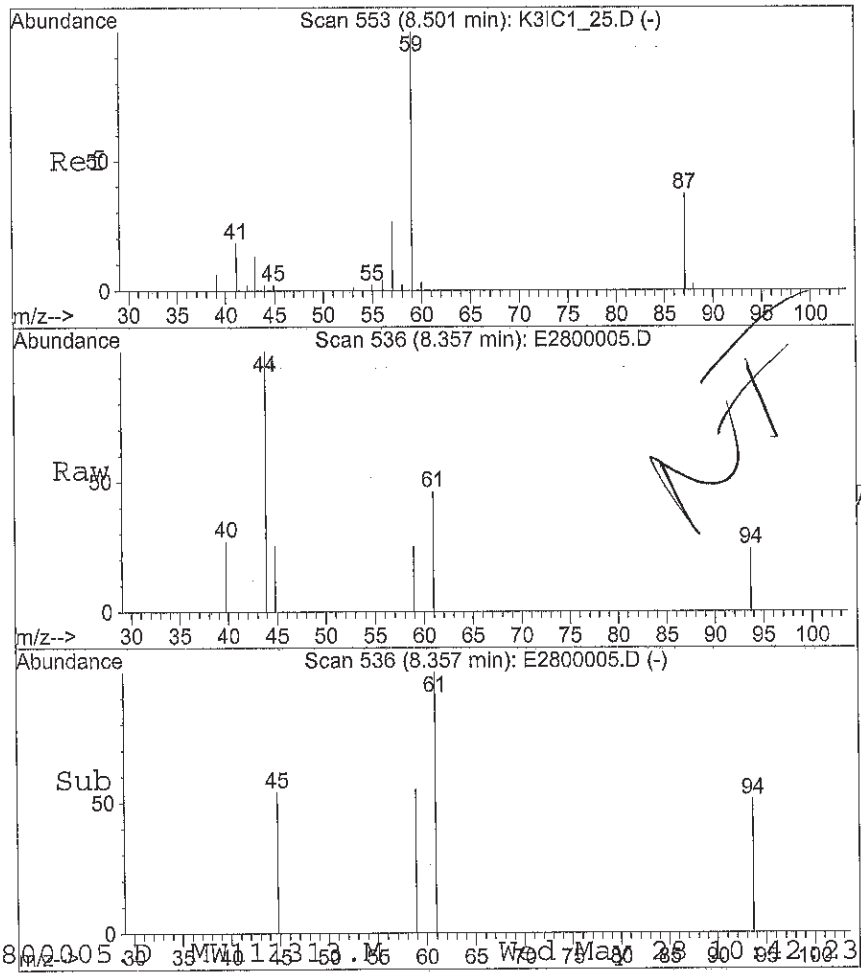


#24
Chloroform
Concen: 0.41 ug/L
RT: 9.20 min Scan# 636
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 83 Resp: 3421

Ion	Ratio	Lower	Upper
83	100		
85	98.5	51.8	77.6#

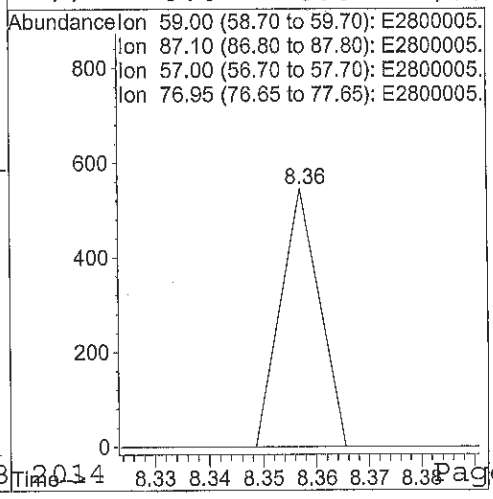


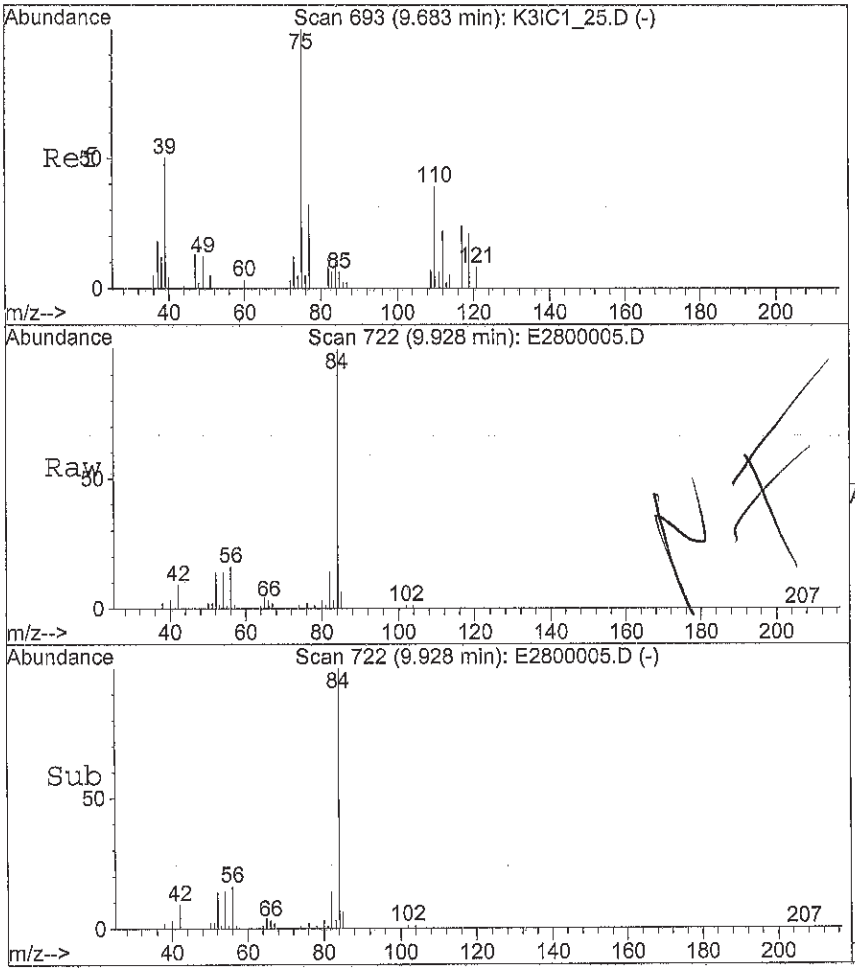


#25
(ETBE) 2-ethoxy 2-methyl propar
Concen: 0.02 ug/L
RT: 8.36 min Scan# 536
Delta R.T. -0.14 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 59 Resp: 276

Ion	Ratio	Lower	Upper
59	100		
87	0.0	27.8	41.8#
57	0.0	19.8	29.6#
77	0.0	0.0	0.0

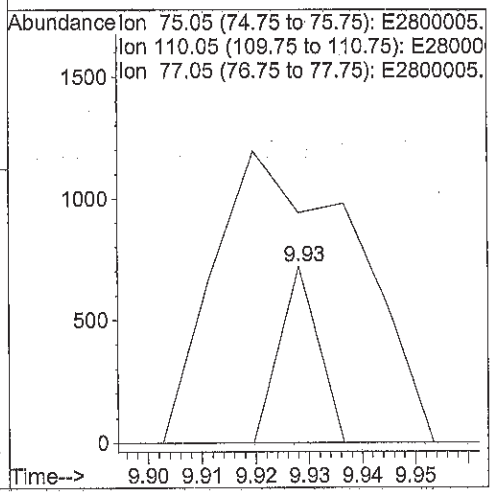


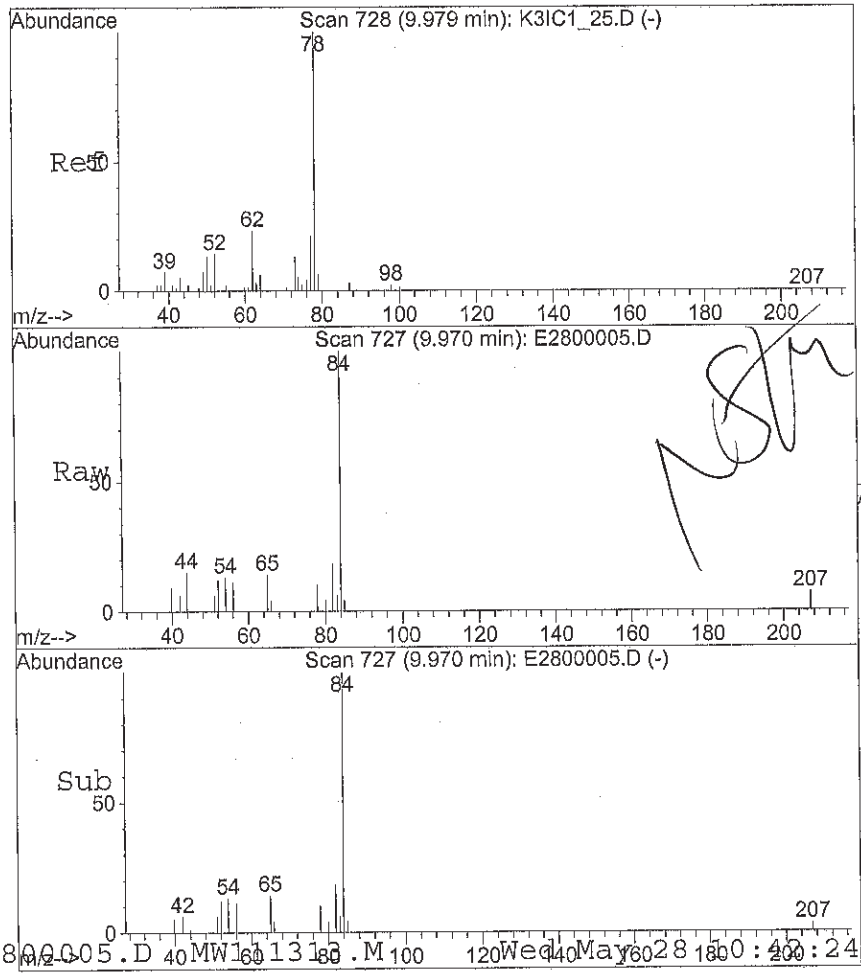


#29
1,1-Dichloropropene
Concen: 0.06 ug/L
RT: 9.93 min Scan# 722
Delta R.T. 0.24 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 75 Resp: 365

Ion	Ratio	Lower	Upper
75	100		
110	0.0	29.0	43.6#
77	601.1	25.0	37.4#

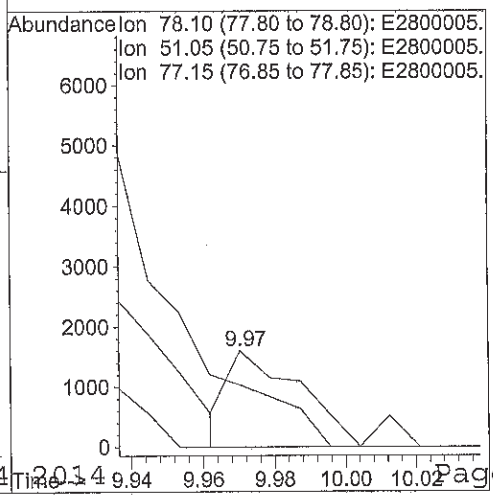


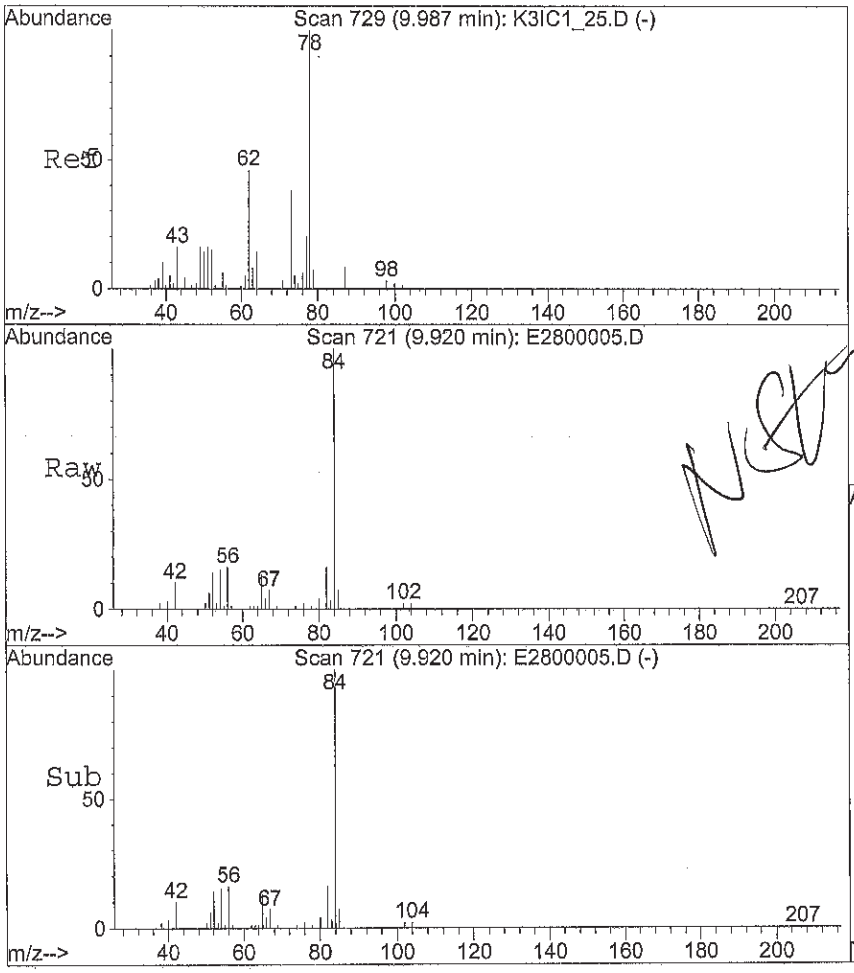


#31
Benzene
Concen: 0.15 ug/L
RT: 9.97 min Scan# 727
Delta R.T. -0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 78 Resp: 2221

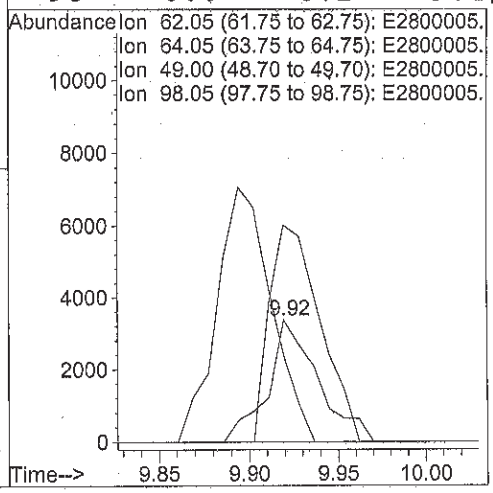
Ion	Ratio	Lower	Upper
78	100		
51	0.0	14.2	21.2#
77	0.0	16.6	24.8#

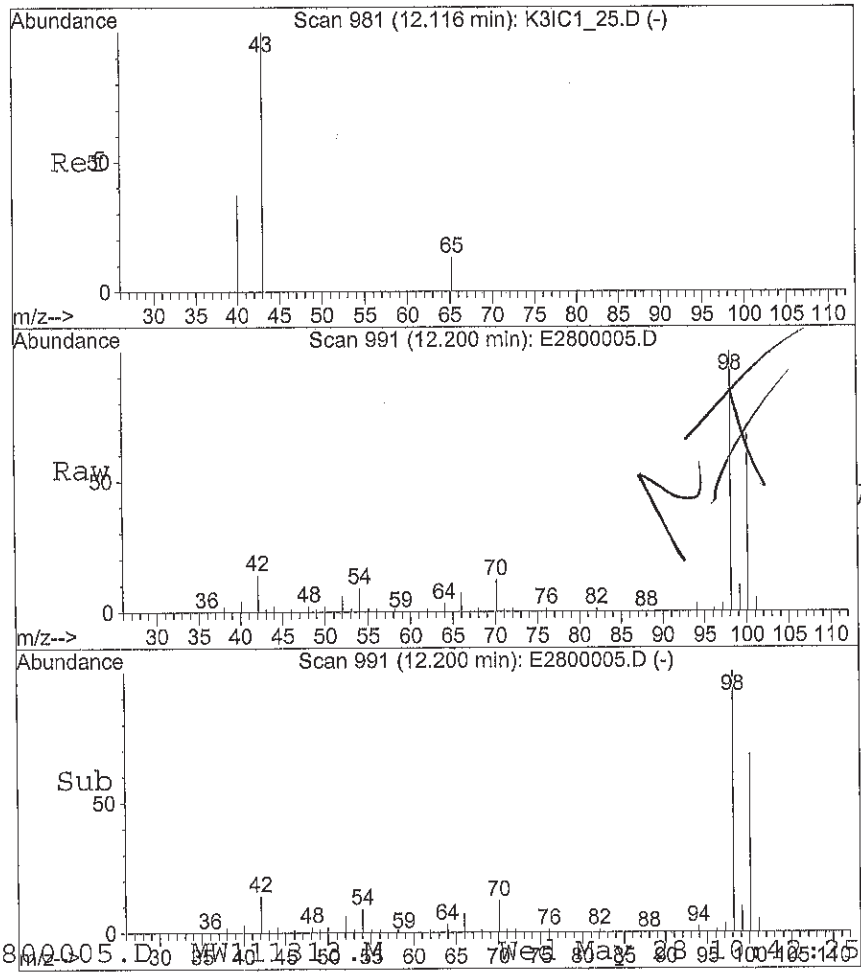




#32
1,2-Dichloroethane
Concen: 1.24 ug/L
RT: 9.92 min Scan# 721
Delta R.T. -0.07 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

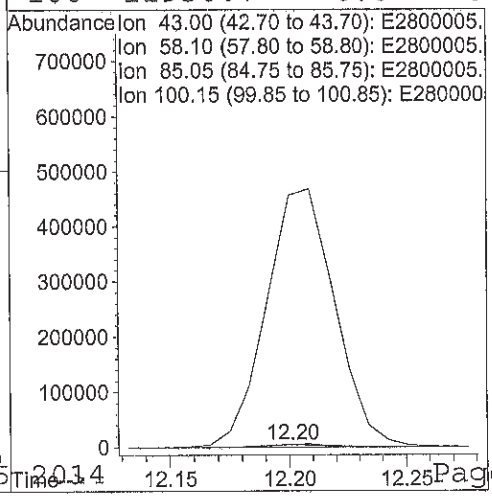
Tgt Ion: 62	Resp:	6578	
Ion	Ratio	Lower	Upper
62	100		
64	180.8	28.0	42.0#
49	0.0	28.5	42.7#
98	0.0	6.2	9.4#

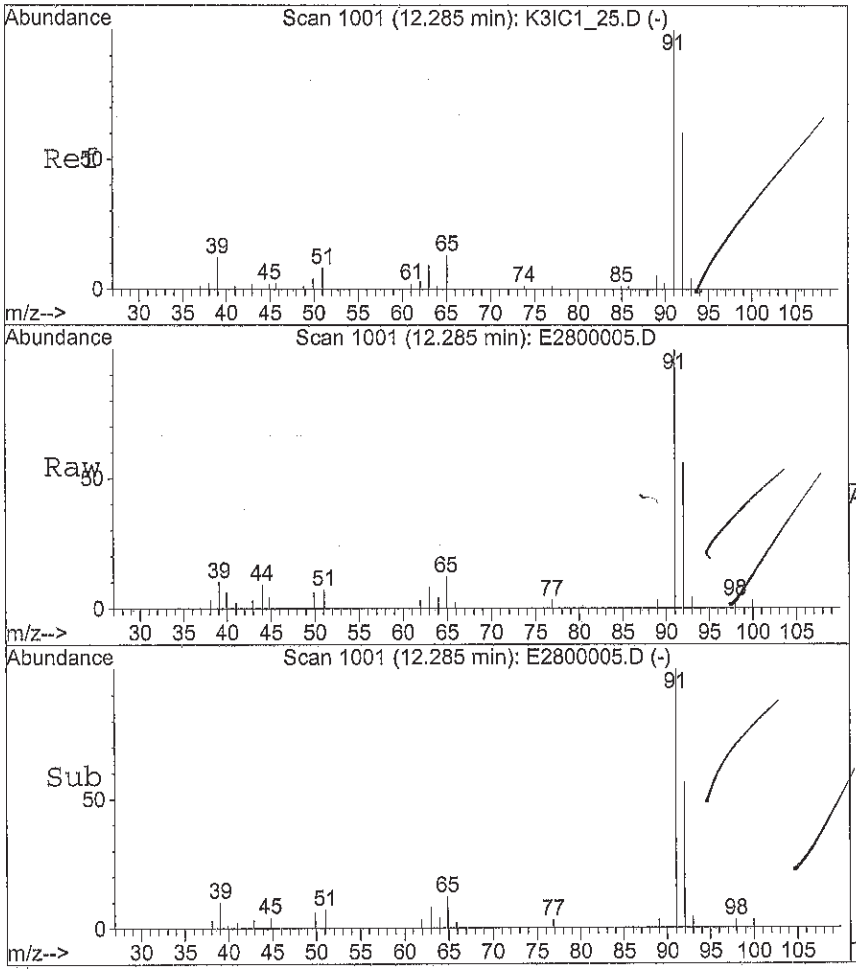




#40
(MIBK) 4-Methyl-2-Pentanone
Concen: 3.23 ug/L
RT: 12.20 min Scan# 991
Delta R.T. 0.08 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 43	Resp:	7946	
Ion	Ratio	Lower	Upper
43	100		
58	127.9	0.0	0.0#
85	0.0	0.0	0.0
100	11930.7	0.0	0.0#

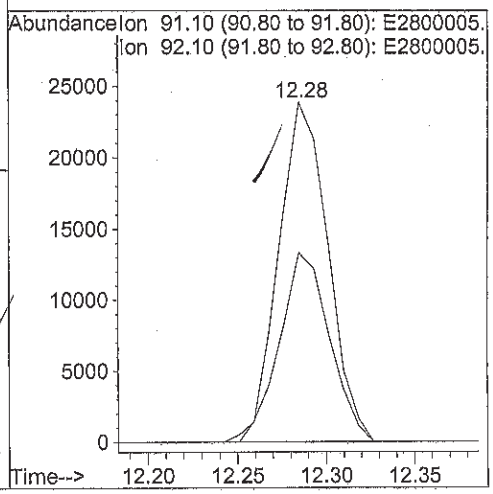


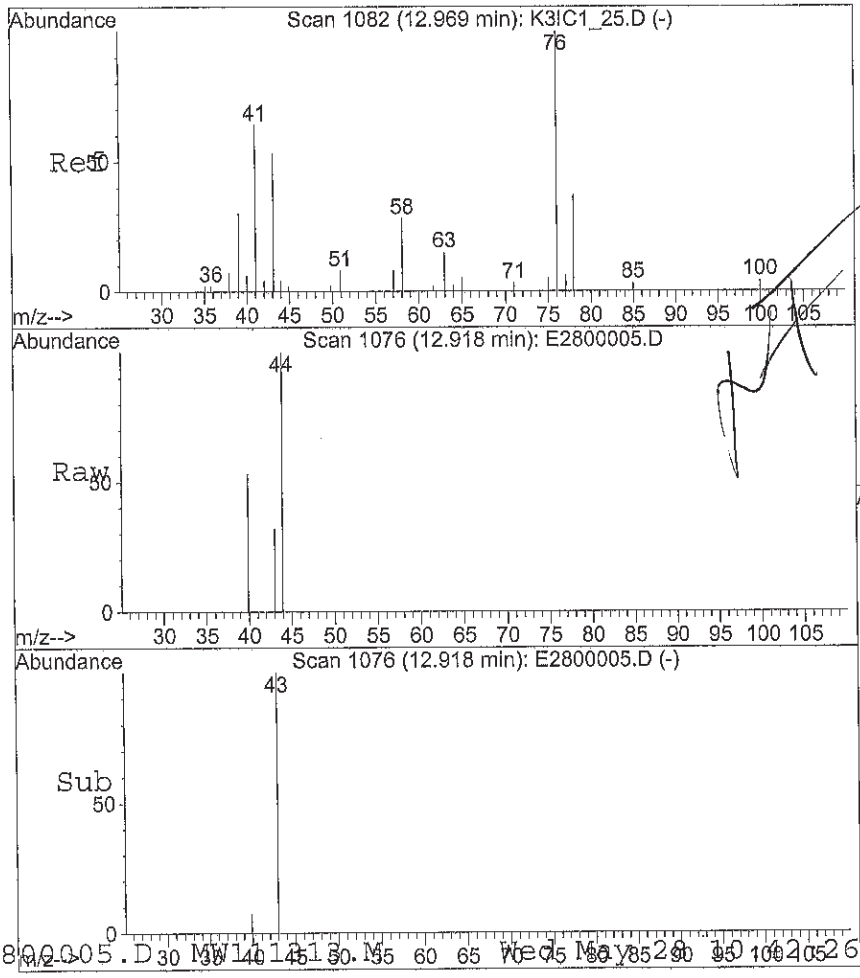


#41
Toluene
Concen: 2.76 ug/L
RT: 12.28 min Scan# 1001
Delta R.T. 0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 91 Resp: 46319

Ion	Ratio	Lower	Upper
91	100		
92	56.2	47.4	71.0

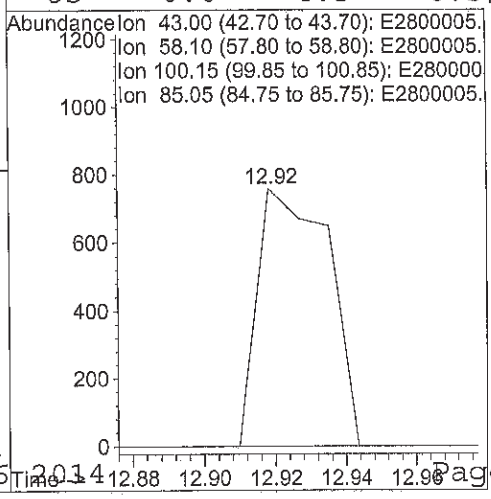


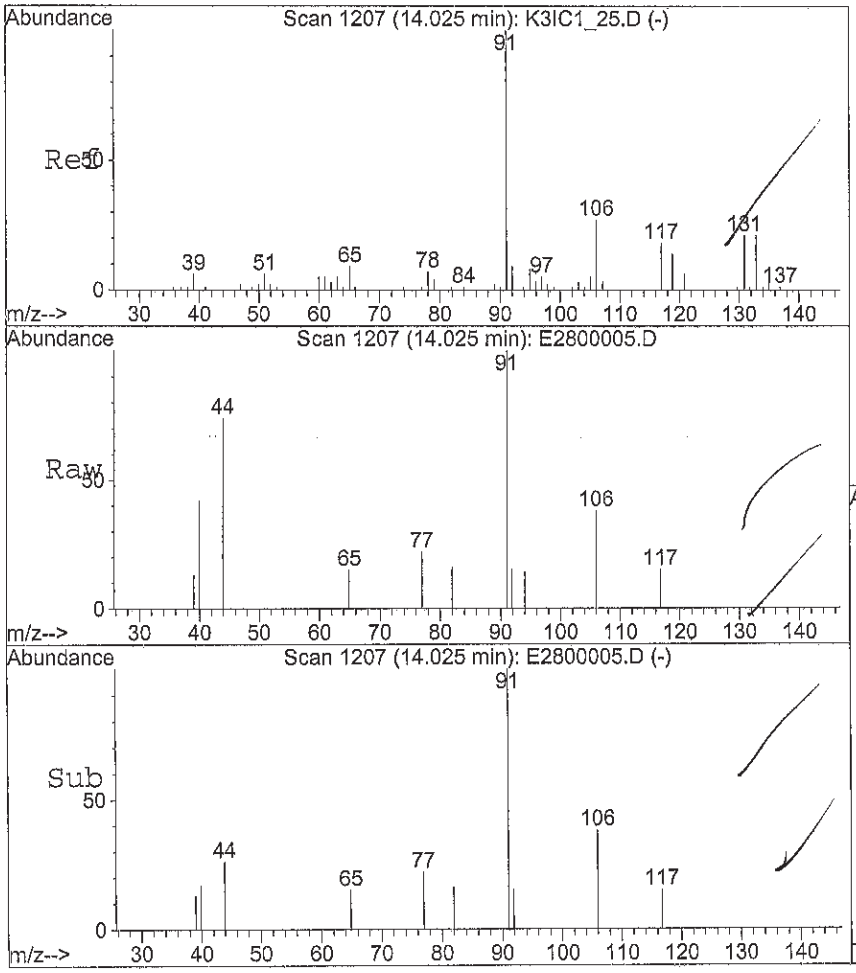


#46
2-Hexanone
Concen: 0.39 ug/L
RT: 12.92 min Scan# 1076
Delta R.T. -0.05 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 43 Resp: 1053

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.9	61.3#
100	0.0	5.5	8.3#
85	0.0	4.3	6.5#

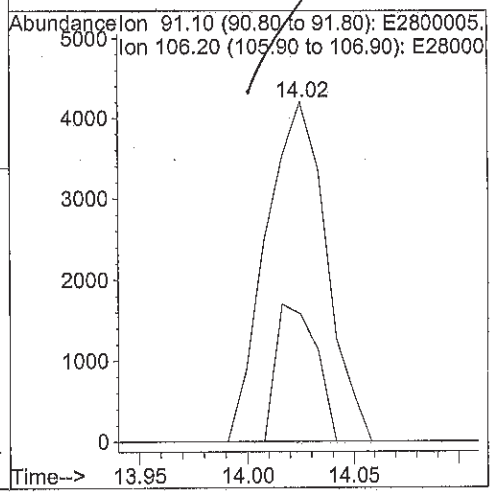


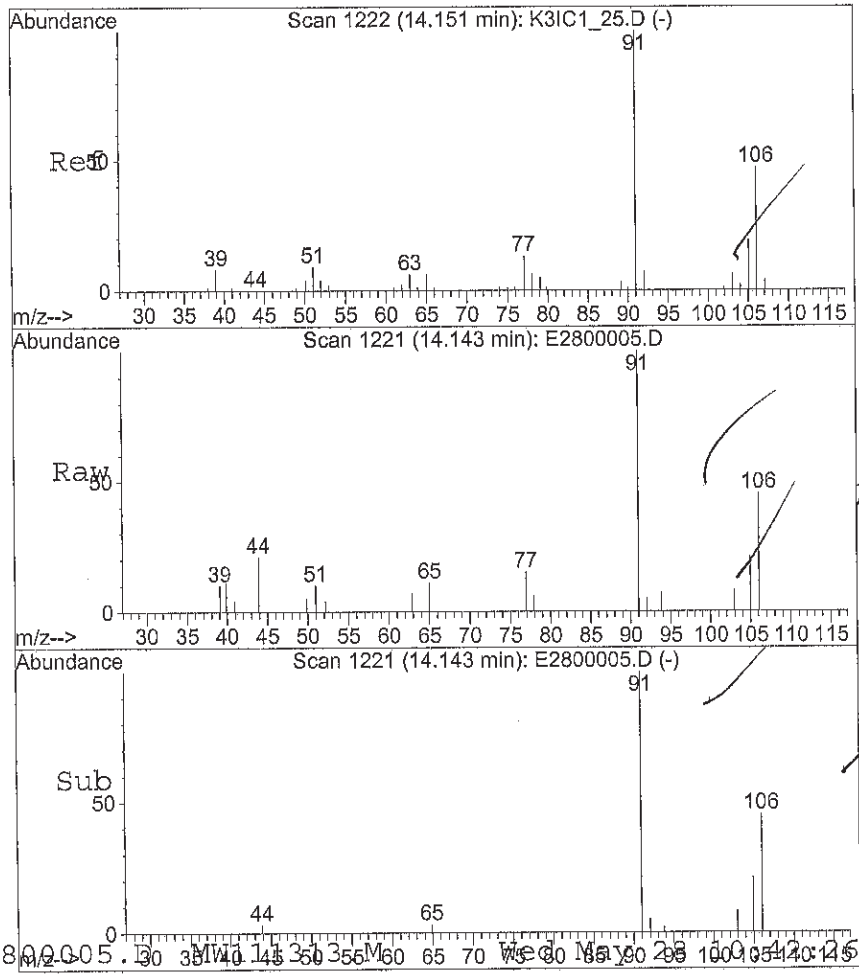


#51
Ethylbenzene
Concen: 0.43 ug/L
RT: 14.02 min Scan# 1207
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 91 Resp: 8269

Ion	Ratio	Lower	Upper
91	100		
106	27.1	23.5	35.3

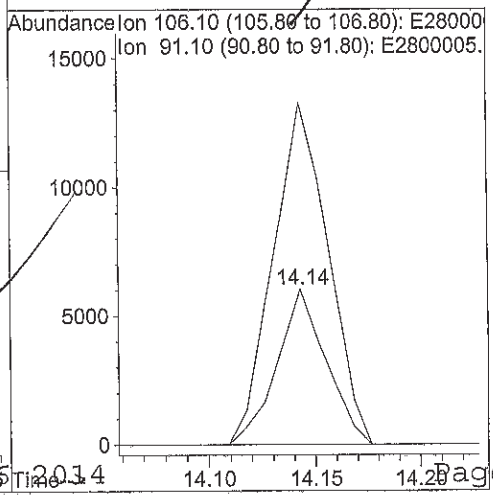


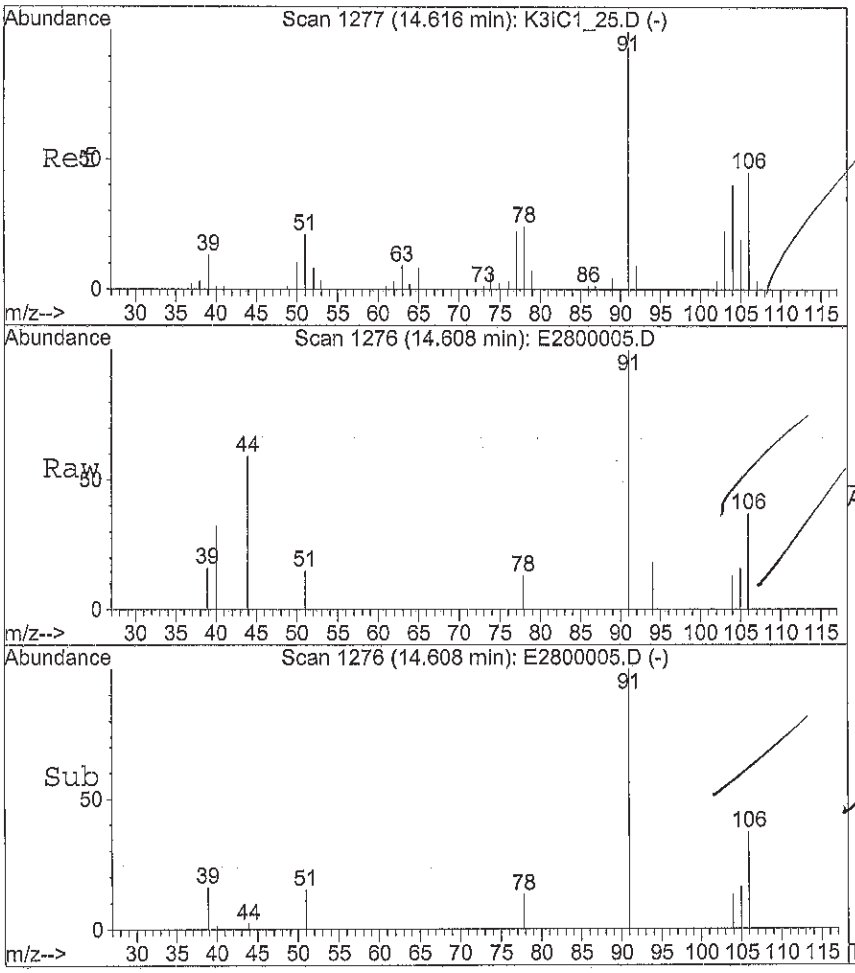


#52
m,p-Xylenes
Concen: 1.42 ug/L
RT: 14.14 min Scan# 1221
Delta R.T. -0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:106 Resp: 9659

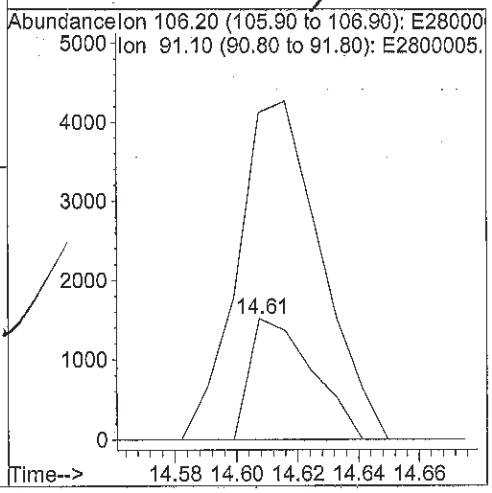
Ion	Ratio	Lower	Upper
106	100		
91	246.3	177.1	265.7

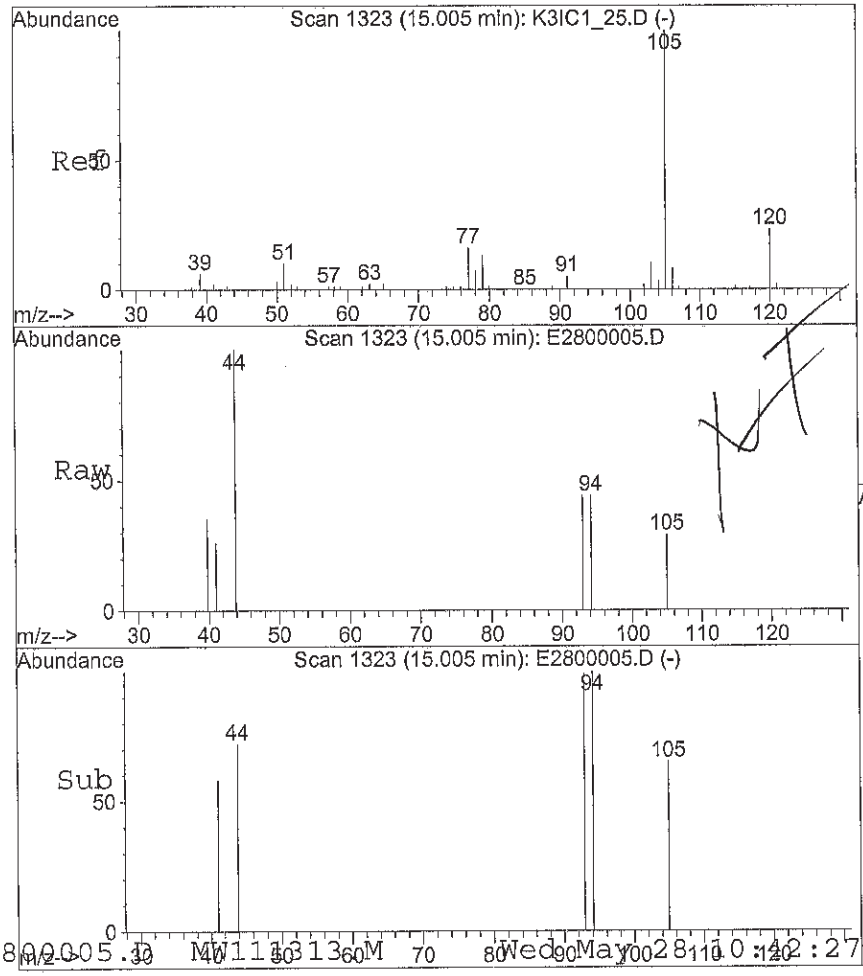




#53
o-Xylene
Concen: 0.32 ug/L
RT: 14.61 min Scan# 1276
Delta R.T. -0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

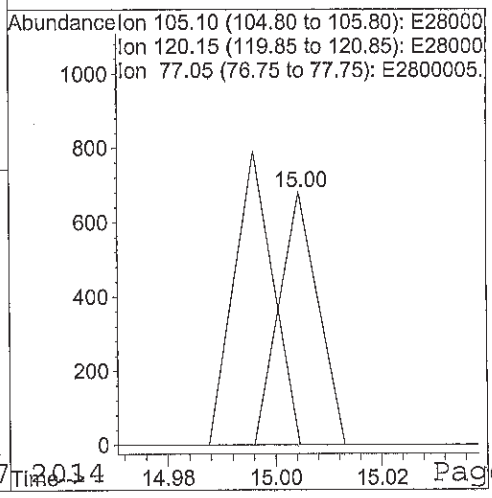
Tgt Ion:106	Resp:	2154	
Ion	Ratio	Lower	Upper
106	100		
91	373.6	179.0	268.6#

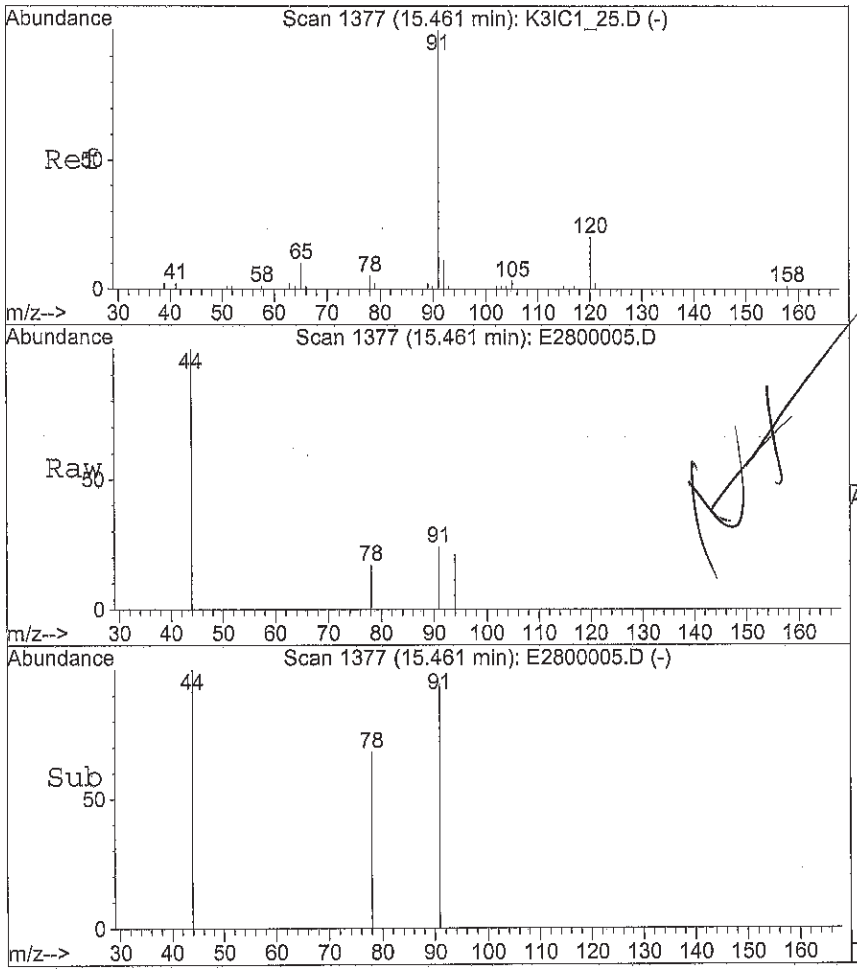




#56
Isopropylbenzene
Concen: 0.02 ug/L
RT: 15.00 min Scan# 1323
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:105	Resp:	345	
Ion	Ratio	Lower	Upper
105	100		
120	0.0	19.3	28.9#
77	116.2	13.1	19.7#

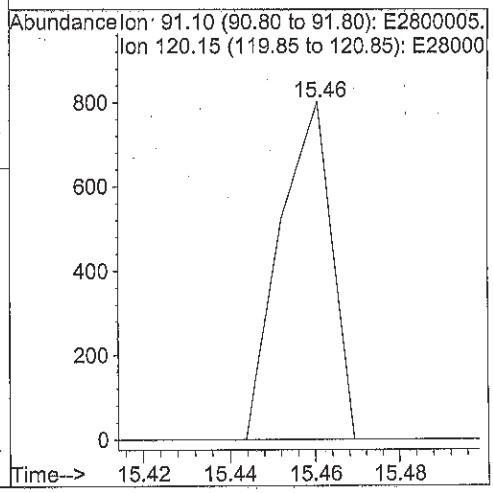


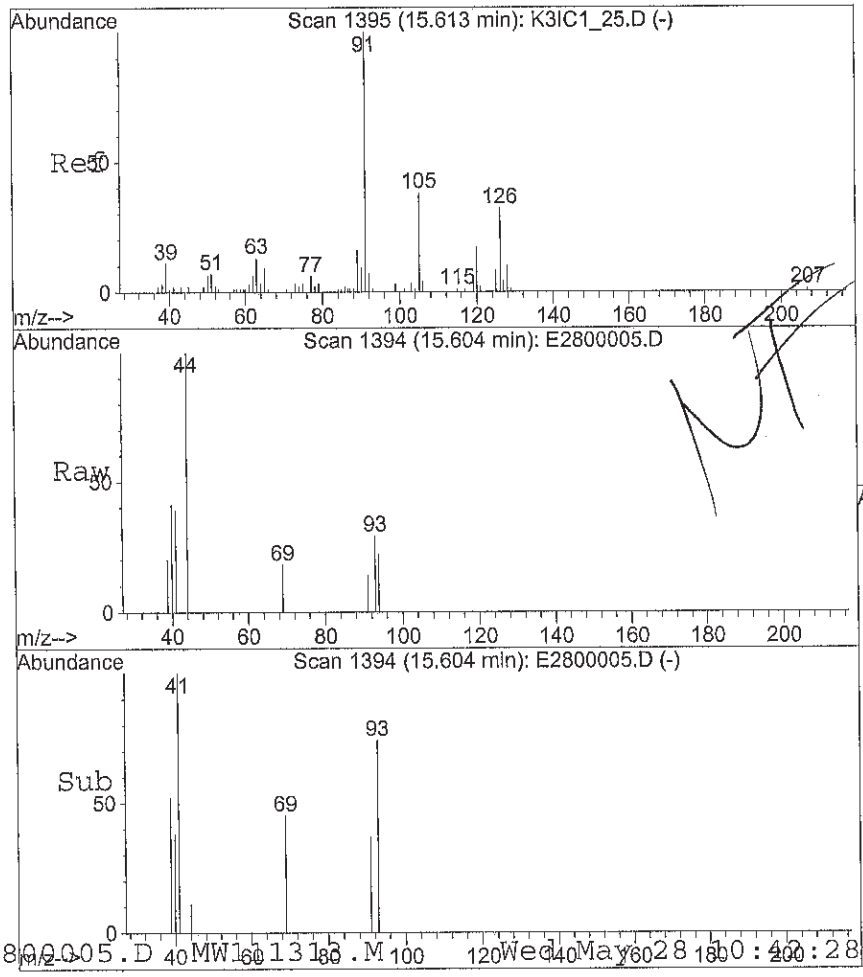


#62
n-Propylbenzene
Concen: 0.02 ug/L
RT: 15.46 min Scan# 1377
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 91 Resp: 672

Ion	Ratio	Lower	Upper
91	100		
120	0.0	16.1	24.1#

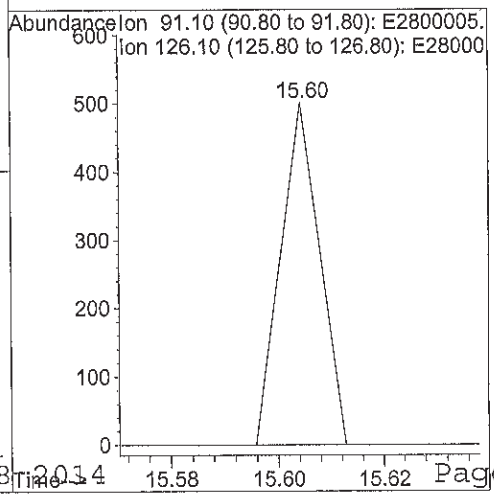


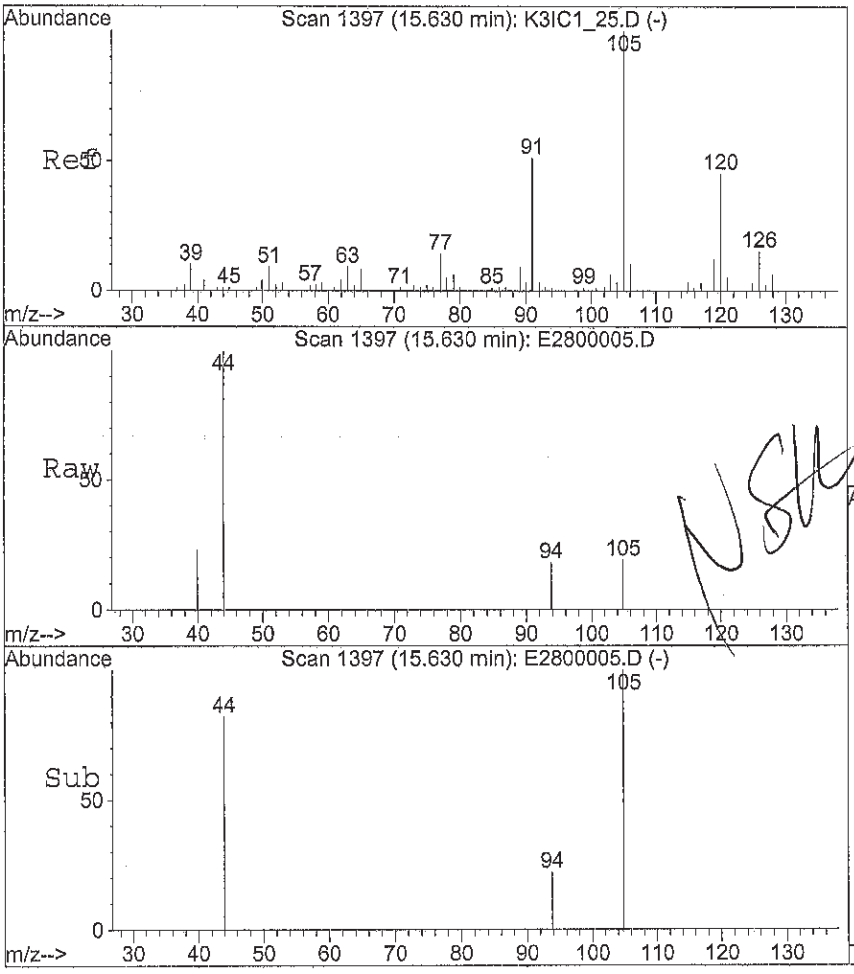


#63
2-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.01 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 91 Resp: 254

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.0	36.0#

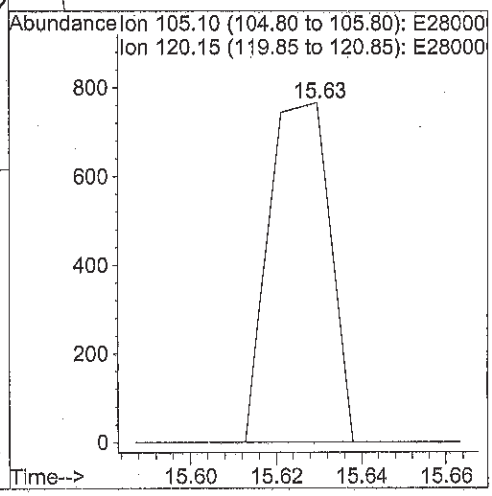


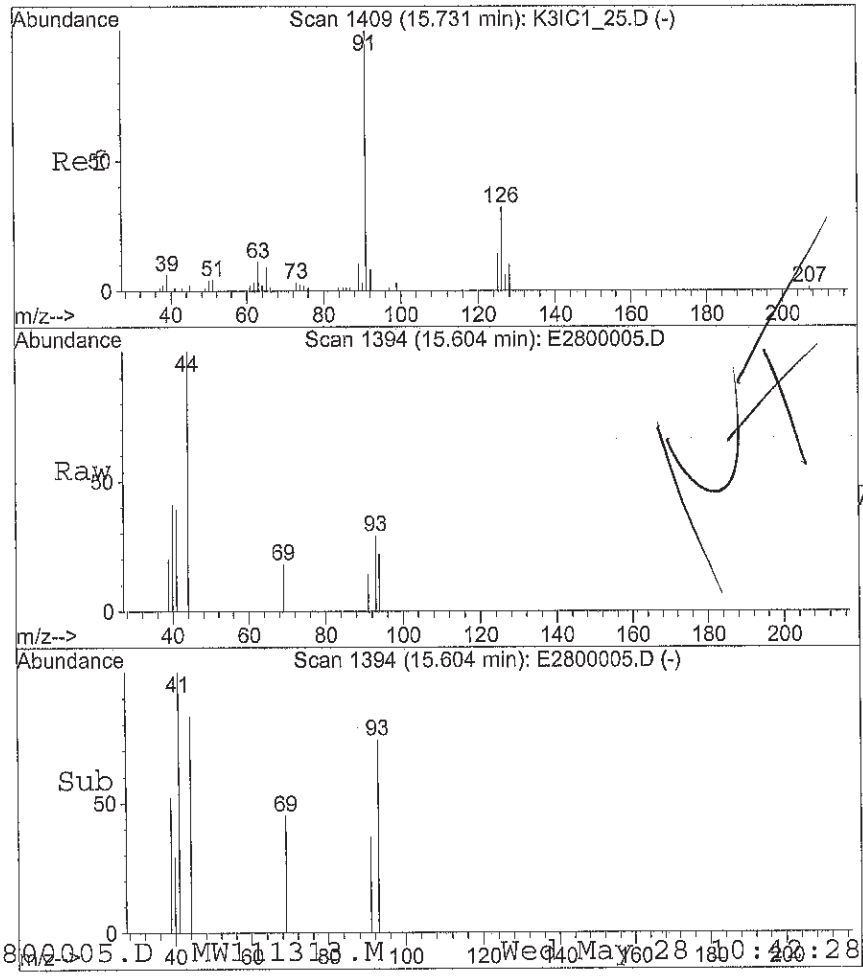


#64
1,3,5-Trimethylbenzene
Concen: 0.05 ug/L
RT: 15.63 min Scan# 1397
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:105 Resp: 765

Ion	Ratio	Lower	Upper
105	100		
120	0.0	36.4	54.6#

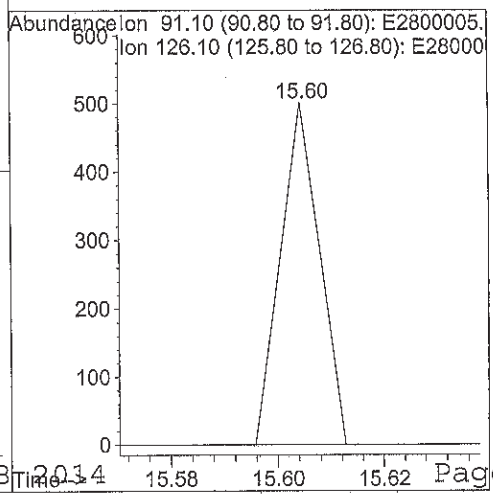


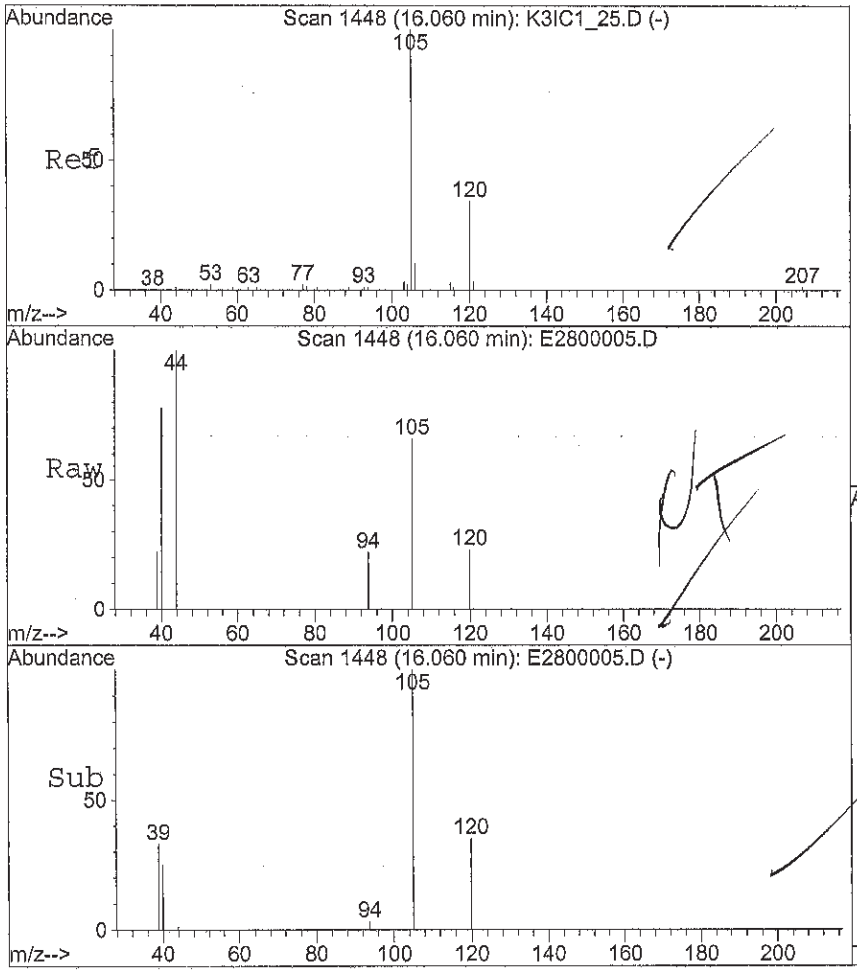


#65
4-Chlorotoluene
Concen: 0.02 ug/L
RT: 15.60 min Scan# 1394
Delta R.T. -0.13 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion: 91 Resp: 254

Ion	Ratio	Lower	Upper
91	100		
126	0.0	24.6	36.8#

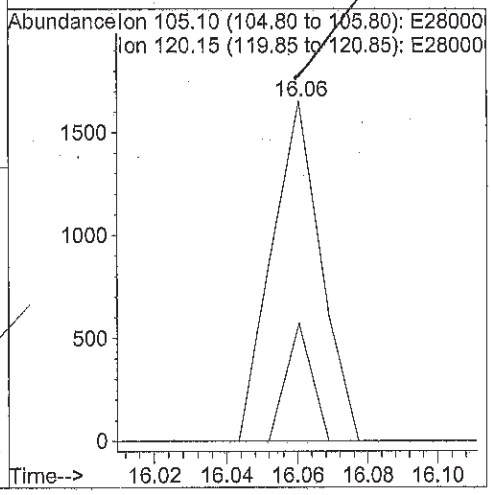


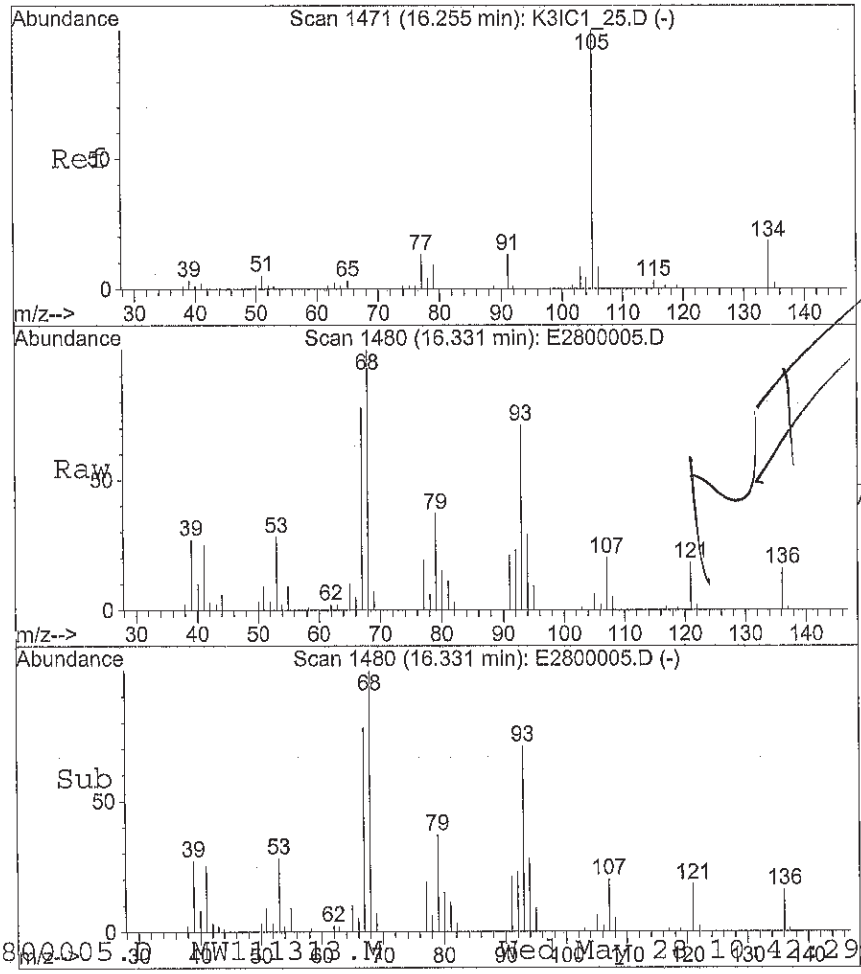


#67
1,2,4-Trimethylbenzene
Concen: 0.09 ug/L
RT: 16.06 min Scan# 1448
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:105 Resp: 1584

Ion	Ratio	Lower	Upper
105	100		
120	18.3	33.8	50.8#

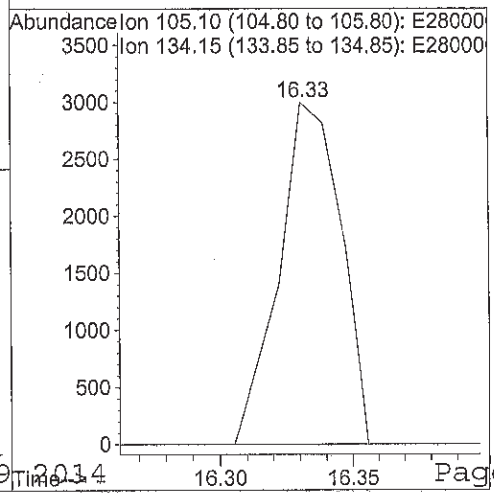


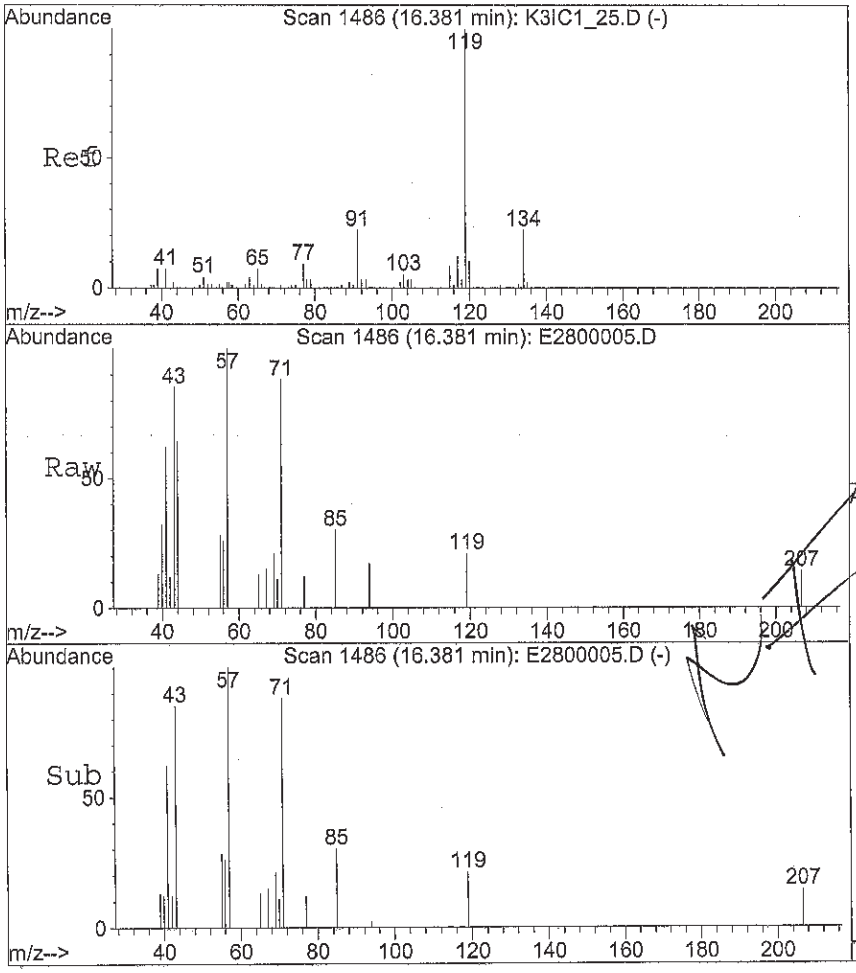


#68
sec-Butylbenzene
Concen: 0.22 ug/L
RT: 16.33 min Scan# 1480
Delta R.T. 0.08 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:105 Resp: 4882

Ion	Ratio	Lower	Upper
105	100		
134	0.0	13.0	19.6#

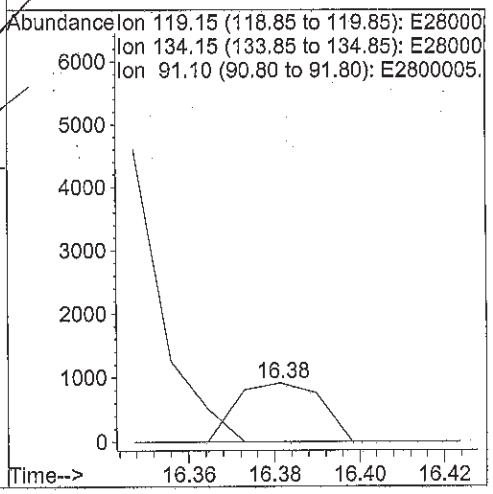




#69
p-Isopropyltoluene
Concen: 0.07 ug/L
RT: 16.38 min Scan# 1486
Delta R.T. -0.00 min
Lab File: E2800005.D
Acq: 28 May 2014 10:19 am

Tgt Ion:119 Resp: 1255

Ion	Ratio	Lower	Upper
119	100		
134	0.0	17.4	26.2#
91	0.0	19.6	29.4#



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052814L3\E2800005.D Vial: 4
Acq On : 28 May 2014 10:19 am Operator: DN
Sample : 3E42801-04 Inst : GC/MS Ins
Misc : 100cc SVL-515-SA5D-SV-12.5-13.8 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: May 28 10:41 19114 Quant Results File: SS072713.RES

Quant Method : C:\HPCHEM\1\METHODS\SS072713.M (RTE Integrator)
Title : 8260B GC/MS #3 ICAL SSSF 07/27/13 DN
Last Update : Mon Nov 18 10:31:39 2013
Response via : Initial Calibration
DataAcq Meth : MW111313

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	10.29	96	1591812	12.50	ug/L	-0.02
7) Chlorobenzene-d5 (IS)	13.91	117	1232045	12.50	ug/L	-0.01
10) 1,4-Dichlorobenzene-d4 (IS	16.51	152	673028	12.50	ug/L	0.00
System Monitoring Compounds						
2) Dibromofluoromethane (SU1)	9.43	113	445744	10.77	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 86.16%			
3) Chloroform-d (SU6)	9.18	84	720165	12.12	ug/L	0.00
Spiked Amount 12.500	Range 70 - 140		Recovery = 96.96%			
4) Methylene Chloride-d2 (SU5	7.06	86	409978	11.81	ug/L	-0.01
Spiked Amount 12.500	Range 70 - 140		Recovery = 94.48%			
5) 1,2-Dichloroethane-d4 (SU2	9.89	65	442549	15.64	ug/L	0.00
Spiked Amount 12.500	Range 75 - 125		Recovery = 125.12%#			
6) Benzene-d6 (SU7)	9.93	84	1359515	10.88	ug/L	-0.02
Spiked Amount 12.500	Range 70 - 140		Recovery = 87.04%			
8) Toluene-d8 (SU3)	12.21	98	1397374	11.95	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 95.60%			
9) 4-Bromofluorobenzene (SU4)	15.22	95	685176	14.20	ug/L	-0.01
Spiked Amount 12.500	Range 75 - 125		Recovery = 113.60%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration