REVISED FINAL SOIL GAS SAMPLING REPORT

SOIL GAS SAMPLING INVESTIGATION

OPERABLE UNIT 1
MOTOROLA 52nd STREET SUPERFUND SITE
PHOENIX, ARIZONA

Prepared for:
Freescale Semiconductor, Inc.

Prepared by:
Clear Creek Associates, PLC

June 4, 2012

CLEAR CREEK ASSOCIATES

REVISED FINAL SOIL GAS SAMPLING REPORT

SOIL GAS SAMPLING INVESTIGATION

OPERABLE UNIT 1
MOTOROLA 52nd STREET SUPERFUND SITE
PHOENIX, ARIZONA

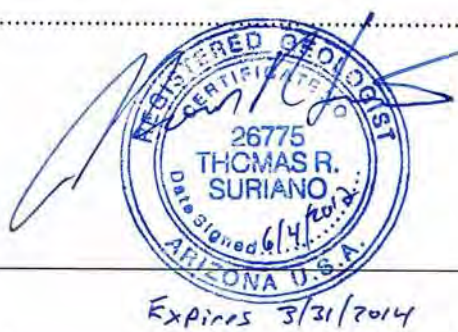
Prepared for:
Freescale Semiconductor, Inc.

Prepared by:
Clear Creek Associates, PLC

June 4, 2012

CLEAR CREEK ASSOCIATES

TABLE OF CONTENTS



TABLES

FIGURES

ATTACHMENTS

APPENDICES

LIST OF ACRONYMS AND ABBREVIATIONS

ADEQ	Arizona Department of Environmental Quality
ADHS	Arizona Department of Health Services
ANSI	American National Standards Institute
AOC	Administrative Settlement Agreement and Order on Consent
ATP	Acid Treatment Plant
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
City	City of Phoenix
Clear Creek	Clear Creek Associates, PLC
COC	chain of custody
DQAR	Data Quality Assessment Report
DTSC	Department of Toxic Substances Control
EDD	electronic data deliverable
EPA	US Environmental Protection Agency
Facility	Former Motorola 52nd Street Semiconductor Plant
FCDMC	Flood Control District of Maricopa County
Freescale	Freescale Semiconductor, Inc.
FSP	Field Sampling Plan
H&P	H&P Mobile Geochemistry
ID	Identification
ITSI	Innovative Technical Solutions, Inc.
in-H20	inches of water column
Ml or ml	milliliters
ml/min	milliliters per minute
Motorola	Motorola Semiconductor Products Sector
NELAP	National Environmental Laboratory Accreditation Program
NPL	National Priorities List
OCC	Old Crosscut Canal
OU	Operable Unit
OU1	Operable Unit No. 1
PCE	Tetrachloroethene
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
Report	Soil Gas Sampling Report
ROD	Record of Decision
ROW	right of way
RSL	Regional Screening Level
SGHHSL	Soil Gas Human Health Screening Level
SGS	Soil Gas Sampling
Site	Motorola 52nd Street Superfund Site
SOW	Statement of Work

SRP	Salt River Project
SWPL	Southwest Parking Lot (at the 52nd Street Facility)
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene (or trichloroethylene)
TestAmerica	TestAmerica Laboratories, Inc.
THMs	Trihalomethanes
ug/l or ug/L	micrograms per liter
ug/m^3	micrograms per cubic meter
VOCs	Volatile Organic Compounds
Work Plan	Soil Gas Sampling Investigation Work Plan

1.0 INTRODUCTION

This Final Soil Gas Sampling Report (Report) has been prepared to present the final locations and results for the soil gas samples collected within the Operable Unit No. 1 (OU1) area of the Motorola 52nd Street Superfund Site (Site). This Site has been evaluated, monitored, and remediated since 1983 by Motorola Inc. and Freescale Semiconductor, Inc. (Freescale). This Report was prepared pursuant to Section 4.1.2 of the Statement of Work in the Administrative Settlement Agreement and Order on Consent (AOC) between the United States Environmental Protection Agency (EPA) and Freescale (August, 31, 2010, CERCLA Docket No. 2010-06). The Report has been prepared by Clear Creek Associates, PLC (Clear Creek) at the request of Freescale. In accordance with the AOC, the Report contains the following information:

- Methods and procedures used to install the implants and collect the soil gas samples, including:
    - Photos of implant installation;
    - Implant construction diagram;
    - Field documentation;
    - Example of access agreement.
- Description of sampling and analysis methods used.
- Analytical results and data quality assessment and validation reports.
- Discussion of findings.
- Recommendations, if any, for additional data collection activities.

The methods and procedures for collecting the soil gas samples are consistent with:

- Draft Guidance for Evaluating the Vapor Intrusion Pathway to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), US EPA, November 2002;

- Draft Advisory, Active Soil Gas Investigation, California Environmental Protection Agency, March 2010; and
- Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air, California Department of Toxic Substances Control, Revised February 2005.

1.1 STUDY OBJECTIVES

The purpose of this soil gas sampling investigation was to re-evaluate the soil gas to indoor air exposure pathway in the residential area west of the 52nd Street facility and the Old Crosscut Canal (OCC) in accordance with the AOC between the EPA and Freescale. The original study area is shown on Figure 1. The objective of the soil gas investigation was to determine whether volatile organic compounds (VOCs) are present in soil gas in concentrations in excess of risk-based Soil Gas Human Health Screening Levels (SGHHSLs) thereby necessitating an indoor air sampling investigation. The study objectives were met by installing temporary (also known as "semi-permanent") sample collection implants, conducting two rounds of discrete sampling of soil gas at two depths, and analyzing the samples for select VOCs.

1.2 SITE BACKGROUND

The Motorola 52nd Street Superfund Site is located in the City of Phoenix, Maricopa County, Arizona. The Site has been divided by EPA into three adjoining Operable Units (OUs): OU1, OU2, and OU3. OU1, approximately 1,000 surface acres, is the easternmost OU and contains the former Motorola 52nd Street Semiconductor Plant (Facility). The Facility is currently owned and operated by ON Semiconductor, Inc. The OU1 boundaries are 52nd Street to the east, Palm Lane to the north, Roosevelt Street to the south, and 44th Street to the west.

Motorola Semiconductor Products Sector (Motorola) owned and operated the Motorola Facility from 1956 to 1999. As part of its electronics manufacturing operation, Motorola used solvents, including trichloroethene (TCE) and 1,1,1-trichoroethane (TCA), to clean and degrease parts and equipment. In 1982, a solvent leak was discovered in an underground storage tank at the facility. The 1983 Preliminary Report (Gutierrez-Palmenberg, Inc., 1983) indicated that groundwater contamination was present at the Motorola Facility and to the west. The Preliminary Report also identified sources of contamination in the Courtyard, Acid Treatment Plant (ATP), and Southwest Parking Lot (SWPL) areas. Multiple soil, soil gas, and groundwater investigations were performed at all the potential source areas on the Facility. These investigations are documented in the Remedial Investigation Report for the Motorola 52nd Street Site (Dames and Moore, 1987). In September 1988, ADEQ and EPA selected an interim remedy in the OU1 Record of Decision (ROD) consisting of soils cleanup at the Motorola Facility and groundwater containment near the 46th Street alignment. On October 4, 1989, EPA placed the Motorola 52nd Street Superfund Site on the National Priorities List (NPL). In July 1989, a Consent Order was executed between Motorola and the Arizona Department of Environmental Quality (ADEQ) for the design and implementation of the remedy for OU1. Pursuant to its separation agreement with Motorola, Freescale has agreed to implement the remedial actions on behalf of Motorola.

In August 2010, Freescale entered into an AOC with EPA to conduct a Soil Gas and Vapor Intrusion to Indoor Air Evaluation in the residential area west of the Facility. Previously, prior to Freescale assuming responsibility for the remediation, soil gas surveys were conducted by Motorola in November 1984; February – March 1985; January 1989; March and October – November 1991; and January 1992 to study the overall distribution of VOCs in soil gas at the Site including the residential area west of the Facility. ADEQ also conducted a soil gas study in March and July 1992 in the residential area to the west of the Facility to confirm and update the previous work conducted by Motorola. A compilation figure showing the sampling locations from the 1984, 1985, and 1992 soil gas investigations is included as Attachment 1.

The available soil gas data were used by the Arizona Department of Health Services (ADHS) to evaluate both the indoor and outdoor air exposure pathways as part of the Baseline Risk Assessment for the Motorola 52nd Street Facility (ADHS, 1992). ADHS determined that, based on the then-current understanding of TCE and PCE health risks, both the indoor and outdoor air exposure pathways were below health-based risk levels for all locations.

An additional soil gas survey was performed in the residential neighborhood by Motorola in November - December 1995. A figure showing the sampling locations from the 1995 soil gas investigation is included as Attachment 2.

1.3 RATIONALE

This soil gas sampling investigation is the first step of a step-wise approach to evaluate the vapor intrusion to indoor air pathway as set forth in the AOC. Although EPA guidance does provide for the use of groundwater data as an initial screening step, the monitoring wells in the OU1 area are generally completed deep in the alluvium (the subsurface sediments or soil overlying the bedrock, or hard rock), across the alluvium-bedrock interface, or within the underlying bedrock and do not provide data describing the potential presence or absence of VOCs at the water table with the potential to migrate upwards into indoor air. Therefore, in accordance with the requirements of the AOC and the Soil Gas Sampling Investigation Work Plan (Work Plan) (Clear Creek, 2010), two rounds of soil gas samples (an initial and a confirmation sampling round) were collected in the residential neighborhood between the Facility and the Old Crosscut Canal (OCC). The results from the 1992 soil gas surveys as well as recent research (Hartman, 2006; Luo et. al., 2009) demonstrate that there are not significant seasonal variations in observed soil gas concentrations. Therefore, the two rounds of soil gas sampling were conducted consecutively. Use of soil gas data is appropriate to meet the study objectives since it is a direct measurement of contaminants with the potential to migrate into indoor air.

2.0 SOIL GAS IMPLANT INSTALLATION

Soil gas sampling (SGS) implants were installed and sampled per the Work Plan. Step-out locations were identified by Freescale/Clear Creek, approved by EPA, then installed and sampled. A description of the soil gas sampling locations, the steps conducted to obtain permission and access, and a description of the implant installation is provided in the following sub-sections.

2.1 SOIL GAS SAMPLING LOCATIONS

The Work Plan called for 26 original sample locations with the potential for additional step-out locations to be added, as needed, based on the results of the original samples (see Section 4.1, below). An additional 53 step-out locations were installed after approval by EPA. Of these, two were contingent locations (SV-68 and SV-70) that were not sampled based on the results of other nearby step-out sampling locations. The sampling locations are presented in Figure 2. The 26 original locations are represented with triangles and the step-out sample locations are represented with circles. Sample results were reviewed and step-out locations were proposed in the electronic daily activity reports submitted to EPA during the soil gas field work. Upon EPA's approval of the step-out locations the process to gain access to these locations was conducted. When access was acquired, installation of the implants was scheduled, and the implants were installed and sampled as discussed in Section 3.0.

2.2 PERMITTING, ACCESS AND NOTIFICATION

2.2.1 Permitting/Access

City of Phoenix: The majority of sampling locations were in City of Phoenix (City) right-of-way (ROW). Clear Creek met with City engineers very early in the permitting process to develop the Work Plan that would meet study objectives and the City's permitting requirements. For purposes of permitting within City ROW, the SGS implants are considered to be temporary test wells. Freescale obtained a ROW permit from the City (as part of an existing Revocable Permit for previous Motorola monitor wells in right-of-

way work) for the sampling locations within City ROW. The City insurance and bonding requirements were met prior to issuance of the final permit. As step-out locations were identified in the City ROW, Clear Creek met with a City inspector at the locations to obtain access via a modification of the Temporary Test Wells in ROW permit. The permit also had various requirements for Bluestake, City department notification, and traffic control requirements that were addressed as needed.

Private Property and the OCC: For locations that were not in City ROW, access agreements were obtained from the responsible party including schools, the Arizona Department of Transportation, and private parties, and for the OCC, approval from the U.S. Bureau of Reclamation, the Salt River Project (SRP) and a permit from the Flood Control District of Maricopa County (FCDMC).

Copies of permits and an example of the access agreement used are provided in Appendix A. Freescale also had to secure access agreements from private parties for step-out sample locations. These access agreements also included notification, Bluestake and utility identification, and similar requirements.

2.2.2 Notification

At least 5 days before field work started, a flier describing the soil gas sampling work was distributed to residents and businesses in the neighborhood. The flier explained that sampling may be conducted at additional locations based on the results from the initial sampling locations. When step-out locations were in areas that had not previously had fliers circulated, the fliers were distributed at least 48 hours prior to implant installation.

2.2.3 Utility Clearances

Estimated locations of known utilities were identified as part of the process for obtaining a Temporary Test Wells in ROW Permit from the City. Prior to implant installation, each of the proposed implant locations was marked and Bluestake was contacted to identify utility locations. In addition to Bluestake, a private utility locater

was contacted to identify utilities in the vicinity of the SGS implant/boring locations. SGS implant/boring locations were adjusted in the field if there were issues such as utility clearances.

2.3 SAMPLE IMPLANT INSTALLATION

Boart Longyear was contracted to install the SGS implants using a direct push method. Installation work began on April 18, 2011. Due to delays caused by lack of access to step-out locations, three mobilizations of the implant installation rig were required. Work was conducted in accordance with the Field Sampling Plan (FSP) included as Attachment A to the Work Plan.

Prior to arriving on site, all implant installation equipment was decontaminated by steam cleaning. At each location, Boart's Geoprobe™ rig hydraulically pushed drill rods to the desired depth of approximately fifteen and one-half (15.5) feet below ground surface (bgs). Once the desired depth was reached, the drill rod was retracted leaving an open boring. Each SGS implant was constructed by Boart as follows:

- Using a tremie pipe as necessary, added six (6) inches of silica sand filter pack to the bottom of the borehole,
- Lowered the first section of inert disposable Teflon™ tubing with an outer diameter between 0.125 and 0.25 inches and an attached microfilter sampling tip to the top of the emplaced silica sand filter pack (15 feet bgs),
- Added an additional six (6) inches of silica sand filter pack to cover the sampling tip,
- Labeled the deeper sampling port consistent with the requirements of Section 4.2.2 of the FSP,
- Verified the depth of the top of the silica sand filter pack with a measuring tape or rod,
- Added one (1) foot of dry granular bentonite on top of the silica sand filter pack,

- Added bentonite slurry or hydrated bentonite to a maximum of 5.5 feet bgs,
- Added six (6) inches of silica sand filter pack to the top of the bentonite seal,
- Lowered the second section of inert disposable Teflon™ tubing with an outer diameter between 0.125 and 0.25 inches and an attached microfilter sampling tip to the bottom of the borehole (5 feet bgs),
- Added an additional six (6) inches of silica sand filter pack to cover the sampling tip,
- Labeled the shallow sampling port consistent with the requirements of Section 4.2.2 of the FSP,
- Verified the depth of the top of the silica sand filter pack with a measuring tape or rod,
- Added one (1) foot of dry granular bentonite on top of the silica sand filter pack, and
- Added bentonite slurry or hydrated bentonite to a maximum of 0.5 feet bgs.

A diagram of the constructed 5-foot and 15-foot implants is presented as Figure 3. Implant installation dates and times are shown on Table 1. Photos of the implant installation activities are contained in Appendix B. Soil gas implants SV68 and SV70 were installed as part of the step-out program, but were not sampled because the results at SV64 were below EPA's Soil Gas Human Health Screening Levels (SGHHSLs) for the Site listed in Table 2.[1]

Each sampling line was labeled and equipped with clamps and T-valves. The in-line valves or clamps were kept in place at all times while not sampling to prevent the backflow of ambient air into the sampling line between purges and prior to sampling. Following the installation of the sampling point, the volume of each sampling train,

[1] Subsequent to completion of the soil gas investigation, EPA changed the regional screening levels for both TCE and PCE as discussed more fully in Section 4.1.

including the annular space of the sand-pack, was calculated to determine the purge volume.

Clear Creek's on-site geologist monitored installation activities and maintained a log of observations made. Additionally, the geologist noted field conditions, odors encountered during drilling, implant rig behavior, and general site observations. The implants were allowed to equilibrate for a minimum of 30 minutes prior to any soil gas sampling at that location. SGS implant construction methods and completion times were recorded in either the field log book or on the field information form. Field forms from the installations are included as Appendix C.

Implant installation equipment (e.g. probe rods, and miscellaneous tools) were decontaminated between each location by washing with a high pressure hot water spray. The Facility has designated chemical truck unloading areas that are constructed of a fully-lined truck pad with a lined sump. Steam cleaning of the large equipment was conducted at one of the chemical truck unloading stations. Only decontaminated drill rods were used to install sampling implants

The SGS implants were capped with a flush-mounted, traffic-rated vault as per City and access agreement requirements. Implant installation was completed on July 27, 2011.

2.4 SAMPLE IMPLANT ABANDONMENT

After the completion of all soil gas sampling efforts, including any step-out sampling locations, and with EPA approval, the SGS implants were abandoned by pulling out the implant tubing. Since the borings are completed above the water table and contain bentonite seals, installation of additional subsurface seals was not necessary. Per City ROW permit requirements, the well vaults in the streets were removed and the sites were repaired to meet the City ROW requirements. For wells not in the street the surface treatment was restored to like conditions prior to the SGS implant installation. The abandonment dates for each implant are shown on Table 1.

2.5 INVESTIGATION-DERIVED WASTE

Drill cuttings generated during implant installation and the implant tubing pulled during implant abandonment were contained, analyzed and disposed of properly as outlined in the FSP.

3.0 SOIL GAS SAMPLING AND ANALYSIS

After installation, Clear Creek field personnel collected soil gas samples from shallow and deep sampling intervals at each location pursuant to the FSP.

3.1 SOIL GAS SAMPLING

Samples were collected in air tight glass syringes or summa canisters. Syringes were used for all original sample locations (SV1 through SV26) and step-outs SV27 through SV66, with the exception of SV60 and SV64. These two step-outs were sampled with summa canisters at a later date along with step-outs SV67, SV69, and SV71 through SV79. Summa canisters were also used for all replicate samples.

The shallow samples were collected from no less than five (5) feet bgs and the deep samples were collected from approximately fifteen (15) feet bgs. The soil gas was withdrawn from the end of the inert tubing that runs from the sampling tip to the surface using an airtight glass syringe, or Summa canister. The syringes were leak checked before each use by closing the exit valve and attempting to force ambient air through the valve. The tubing was purged of three internal dead volumes based upon EPA guidance. After the soil gas sample was collected with the syringe, it was immediately labeled, wrapped in foil, placed in a cooler without ice and transported to the mobile laboratory or fixed lab for analysis as described in Section 3.2, below. The use of small calibrated syringes allowed for careful monitoring of purge and sample volumes. This procedure ensured adequate sample flow was obtained without excessive pumping of air or introduction of surface air into the sample. The flow rate during purging and sampling was moderated not to exceed 200 milliliters per minute (ml/min) by the sampler to limit stripping of chemical compounds, to prevent ambient air from diluting the soil gas samples, and to reduce the variability of sampling rates. Replicate samples were collected with Summa canisters during the confirmation round of sampling as described in subsection 4.1.5 of the FSP. Replicate samples collected required a choke or flow regulator to be placed on the canister to ensure the flow rate

did not exceed 200 ml/minute. Canisters were immediately labeled, packed in a cooler or shipping box at ambient temperature and delivered to TestAmerica Laboratory, Inc.'s. (TestAmerica) fixed laboratory in Phoenix, Arizona or shipped to H&P Mobile Geochemistry, Inc.'s (H&P) fixed laboratory in California.

Following completion of the first round of SGS, the sampling implants were secured within the well vaults, with clamps and valves closed, in preparation for follow-up sampling. The second soil gas sampling round was conducted at the completion of the initial sampling round. The dates and times of the first and second rounds of sampling are shown on Table 1. The results from both soil gas sampling rounds were compared to the SGHHSLs in Table 2. Field forms from the sampling are included in Appendix C.

3.1.1 Leak Detection

During sampling, a leak test was used to evaluate whether a good seal was established in the implant installation. A leak test was conducted at every soil gas monitoring point each time a soil gas sample was collected because a poor seal could result in soil gas samples that are diluted or contaminated with ambient air. A leak detection gas, isopropanol, was used to saturate the air space around the sample train by applying it to a towel and placing it around the sampling train connections. To confirm that the sample train and implant surface seal was tight and leak free, samples were analyzed for the leak check compound. If the concentration of the leak check compound was greater than or equal to 10 ug/L, then corrective action would be necessary. Per guidance specifications, the seals would be checked and corrected if necessary and another sample would be collected. The leak detection procedure was followed for all soil gas samples and no corrective action was necessary.

3.1.2 Shut-In Test

Prior to collection of the Summa canister samples (including replicates), a shut-in test was conducted to check for leaks in the above ground fittings. A shut-in test was conducted before each sample because a poor seal may result in soil gas samples that

are diluted or contaminated with ambient air. The shut-in test consisted of assembling the above-ground apparatus (e.g., valves, lines and fittings downstream from the top of the probe), and evacuating the lines to a measured vacuum of about 10 inches of mercury (>100 inches of water column [in-H2O]), then shutting the vacuum in with the closed valves on opposite ends of the sampling train. The vacuum gauge connected to the line via "T"-fitting was observed for at least one minute, and if there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum in the above-ground portion of the sample train did not noticeably dissipate (California EPA, 2010). If a leak was confirmed and the problem could not be corrected, the leaking apparatus was replaced. A similar pressure test was performed on the glass syringe sample trains prior to sampling.

3.1.3 Sample Handling and Labeling

Samples were handled under standard chain of custody (COC) protocol at all times. Samples were logged on a COC at the time of sampling and the COCs were used to track all samples between collection and hand delivery to the mobile or fixed analytical laboratories. All samples collected were labeled with a unique identifier consisting of the borehole ID and the depth interval. For example, the soil gas sample collected at 15 feet bgs from implant SV-10 was labeled SV-10-15. This sample identification and the date and time the sample was collected were written on a label and attached to the canister. Additionally, all sample information was recorded, including sample collection date and time, sampler's initials, and analyses to be performed. This information was logged in the daily field notes for the project. Table 1 shows the lab to which each sample was delivered.

3.1.4 Field Duplicate Samples

In accordance with the Quality Assurance Project Plan (QAPP) At least one duplicate sample was collected and analyzed per 10 samples, or about one per day. The duplicate samples were collected by using a three-way valve at the point of collection that divided the sample stream into two separate sample containers.

3.1.5 Field Replicate Samples

In accordance with the QAPP, field replicate samples were collected in 400 ml Summa canisters and analyzed with Method TO-15 for ten percent of the samples from the confirmation round of samples. These replicates were collected at locations with the highest observed concentrations from the initial sampling event. The Summa canister for the replicate sample and the syringe for the primary sample were both connected to the SGS implant tube with a three-way valve. To be consistent with the way the rest of the primary samples were purged and collected, the syringe sample associated with the field replicate sample was collected immediately after the initial three purge volumes. Immediately after the syringe sample was collected, the Summa canister sample was collected. The Summa canister samples were delivered daily to TestAmerica for analysis by Method TO-15.

3.2 SOIL GAS ANALYSIS

H&P provided the mobile laboratory for analysis of the initial soil gas samples and a number of the step-out samples. H&P's fixed lab in California also provided analysis for the latter stages of step-out samples. The sample identifications (IDs) and the laboratory ID are shown on Table 1.

H&P is a nationally recognized lab that specializes in environmental analytical chemistry. Their mobile labs are equipped with state-of-the-art instruments in order to achieve low detection limits while maintaining the highest quality data. H&P is certified through the National Environmental Laboratory Accreditation Program (NELAP) in California. Per the AOC, labs accredited through NELAP meet the Quality Systems requirement as

described in ANSI/ISO/ASQ E-14001-2004 “Quality Systems for Environmental Data and Technology Program – EPA Requirements with Guidance for Quality Management Plans” (QA/R-2) (EPA/240/B-01/002, March 2001) (EPA, 2001).

H&P follows EPA Region 9 and California Department of Toxic Substance Control (DTSC) protocols for vapor intrusion investigations. Soil gas sample analyses were conducted by H&P for VOCs by a modified version of EPA Method TO-15. A modified version of EPA Method TO-15 was chosen for this soil gas investigation since detection limits capable of meeting the SGHHSLs for all the target analytes can be achieved.

Both mobile and fixed labs were capable of meeting the method detection limits (see Table 2) necessary based on the SGHHSLs, and meeting the necessary quality assurance/quality (QA/QC) control requirements. In addition, the mobile lab provided preliminary analytical results on a daily basis to enable decisions to be made on the need for step-out sampling locations.

Twelve primary soil gas samples and two confirmation samples as well as all field replicate samples were collected in Summa canisters as described in Section 3.1.5, above, and were analyzed by TestAmerica in its fixed laboratory in Phoenix, Arizona. The TestAmerica network of laboratories collectively maintains laboratory certifications, accreditations and/or approvals in all 50 U.S. States. All TestAmerica laboratory facilities hold NELAP accreditation as well. Per the AOC, labs accredited through NELAP meet the Quality Systems requirement as described in ANSI/ISO/ASQ E-14001-2004 “Quality Systems for Environmental Data and Technology Program – EPA Requirements with Guidance for Quality Management Plans” (QA/R-2) (EPA/240/B-01/002, March 2001) (EPA, 2001). Soil gas sample analyses were conducted by TestAmerica for VOCs by EPA Method TO-15. Samples were collected in 400 milliliter (ml) Summa canisters and delivered to the laboratory for analysis.

Electronic copies of the laboratory reports are provided in Appendix D.

3.3 DATA VALIDATION

A Tier 1a validation was conducted in the field by the H&P mobile laboratory chemist to allow for decisions to be made for step-out sampling. Clear Creek Associates submitted all the soil gas data to the chemists and analytical data specialists at Innovative Technical Solutions, Inc. (ITSI) for more extensive validation. ITSI performed a Tier 1b validation on all of the analytical data and a Tier 3 validation on 10 percent of the data in accordance with the Work Plan, the AOC, the QAPP and EPA's National Functional Guidelines for Data Review. Clear Creek provided ITSI with the SGS laboratory data package. ITSI produced data validation reports summarizing its findings as well as a Data Quality Assessment Report (DQAR) ITSI concluded that the data are of acceptable quality and should be considered usable for their intended purposes. Those reports are included as Appendix E.

3.4 DATA MANAGEMENT AND REPORTING

The data reported by the laboratory was provided in an electronic data deliverable (EDD) format and entered in an electronic database that is Microsoft Access or Microsoft Excel compatible. The database maintains the integrity of the data while facilitating the retrieval of the data for analysis in tables and figures.

3.5 REPORTING

Freescale notified EPA with a Notification of Initiation of Field Work on April 4, 2011, fourteen (14) days before initiating any physical work in the field. Beginning on April 18, 2011, Freescale provided electronic Daily Field Activity Reports in accordance with the requirements in the AOC on the days on which field work was performed. These Daily Field Activity Reports included: (1) a description of the actions which have been taken to comply with the AOC during that day; (2) all the results of sampling and tests and all other data received by Freescale; (3) the work planned for the next day with schedules relating this work to the overall project schedule; (4) a description of all problems encountered and any anticipated problems, any actual or anticipated delays, and

solutions developed and implemented to address any actual or anticipated problems or delays; and (5) decisions regarding step-out locations, if applicable.

On August 15, 2011, within five (5) days of completion of all soil gas field activities associated with the implant installation and sampling, Freescale notified EPA in writing with a Notification of Completion of Field Work. EPA approved completion of the soil gas investigation on September 29, 2011.

4.0 DISCUSSION

4.1 IDENTIFICATION OF STEP-OUT SAMPLING LOCATIONS

Freescale conducted soil gas sampling at 53 "step-out" locations that were identified based on the preliminary data from the initial sampling of the original 26 proposed soil gas sampling locations. To determine if step-out sampling locations were necessary, Freescale reviewed the preliminary results from both the initial and confirmation sampling rounds of both the shallow and deep sampling ports on an on-going basis in accordance with Sections 2.2.1 and 2.2.2 of the Work Plan. EPA was consulted on and approved all step-out decisions prior to installation and sampling.

With the exception of chloroform and bromodichloromethane, as discussed further in Section 4.4, below and in Appendix F, the main criterion for proposing a step-out location was whether the preliminary data exceeded the applicable SGHHL listed in Table 2. Chloroform and bromodichloromethane are disinfection by-products thought to relate to municipal water or wastewater sources, not the underlying groundwater, and an exceedence of a SGHHL by these two compounds was not used as a primary decision criterion in evaluating step-out sampling locations.

In accordance with the AOC, when evaluating the preliminary soil gas results, if TCE or PCE soil gas concentrations were observed in excess of a SGHHSL in a perimeter sampling location, then a step-out sampling location was proposed to EPA for approval. This was done in order to define the boundary of the overall soil gas study area. The one exception to this process was for the PCE concentration observed in the deep sampling port at SV18. Multiple samples were collected with results varying from slightly below to slightly above the SGHHSL. No detections above the SGHHSL were observed in the shallow sampling port. The result was considered an outlier based on its location outside the known plume area and with consideration to the multiple sampling locations between SV18 and the 52nd Street facility.

Subsequent to EPA's approval of Freescale's completion of the soil gas investigation, EPA published revised Toxicity Assessments for both TCE and PCE. In response to the revised Toxicity Assessments, EPA updated the Regional Screening Level (RSL) for TCE in November 2011 and the RSL for PCE in May 2012. Because EPA determined that TCE was more toxic than previously thought, EPA lowered the RSL for Residential Air TCE from 1.2 ug/m^3 to 0.43 ug/m^3 and the RSL for Industrial Indoor Air from 6.1 ug/m^3 to 3.0 ug/m^3. Because EPA determined that PCE was less toxic than previously thought, EPA raised the RSL for Residential Air from 0.41 ug/m^3 to 9.3 ug/m^3 and the RSL for Industrial Air from 2.1 ug/m^3 to 47.2 ug/m^3. As noted in Section 4.3, below, EPA and Freescale have considered the revised RSL value for TCE during the implementation of the on-going indoor air evaluation.

Step-out sampling locations were not proposed for perimeter sampling locations on the eastern study area boundary along 50th Street since the soil gas investigation on the former 52nd Street facility will be the subject of a separate investigation effort.

In accordance with the AOC, step-out sampling locations in the interior of the study area were optional and subject to EPA approval. Several factors were considered when evaluating the remaining soil gas results from interior sampling locations to determine if a step-out sampling location was necessary. The results from nearby sampling locations, and the spacing between sampling locations was considered when evaluating the need for additional step-out locations. The results from both sampling ports were compared to the SGHSHHL to determine the magnitude of the exceedence. The adjoining property use was a factor as was access considerations. In one location, due to the density of development, it was determined it was more appropriate to proceed with an indoor air investigation to further refine the area rather than attempt to do so using soil gas sampling. In general, the approach was to opt to install step-out sampling locations within the interior of the study area when there was an exceedence of a SGHHSL in order to refine the area of interest for the subsequent indoor air evaluation.

After the step-out locations (either perimeter or interior) were installed and sampled, the preliminary results from the step-out locations were again evaluated to determine if additional step-outs were necessary. The process was repeated until the study area was bounded and the area for the subsequent indoor air investigation was adequately defined.

As described below, a total of 26 original locations and 53 step-out locations were installed. Of the 53 step-out locations, two were contingent locations that did not need to be sampled.[2]

- Out of the initial 26 sampling locations, 8 locations (SV 2, SV4, SV11, SV13, SV20, SV24, SV25, and SV26) exceeded a SGHHSL and led to the identification of 21 step-out locations (referred to herein as Step 1 locations). The Step 1 locations were:
    - SV39, SV40, and SV41 (for SV2).
    - SV28 and SV29 (for SV4).
    - SV42, SV52 and SV55 (for SV11).
    - SV30, SV31, SV32, and SV38 (for SV13).
    - SV43, SV44, and SV45 (for SV20).
    - SV36 and SV37 (for SV24).
    - SV35 (for SV25).
    - SV27, SV33, and SV34 (for SV26).
- Out the 21 Step 1 locations, 18 exceeded a SGHHSL and led to the identification of 19 Step 2 locations. The Step 2 locations were:
    - SV60 and SV61 (for SV41).
    - SV59 and SV62 (for SV30 and SV31).
    - SV46 (for SV43).
    - SV65 and SV66 (for SV45).
    - SV53, SV56, SV57, SV58, and SV69 (for Sv36 and SV37).

[2] The contingent locations were identified as SV68 and SV70.

- SV47, SV48, SV49, SV50, SV51 and SV54 (for SV35).
- SV 63 (for SV27 and SV28)

- Out of the 19 Step 2 locations, 12 exceeded a SGHHSL and led to the identification of four Step 3 locations. The Step 3 locations were:
  - SV71 and SV72 (for SV53).
  - SV64 and SV67 (for SV48 and SV49).
- Out of the four Step 3 locations, two exceeded a SGHHSL and led to the identification of seven Step 4 locations.
  - SV73, SV74, SV75, SV76, SV77, and SV79 (for SV71 and SV72).
- All seven of the Step 4 locations were below the SGHHSL and the soil gas sampling investigation was brought to a close.

4.2 COMPARISON OF SOIL GAS RESULTS TO SGHHSLs

Upon receipt of the final data packages from the laboratory, Clear Creek entered the data in an Excel spreadsheet comparing the results to the SGHHSLs from the approved Soil Gas Sampling Work Plan (Clear Creek Associates, 2011) as shown in Table 2.[3] The data from the soil gas investigation are shown in Table 3. Results exceeding one or more of the screening levels are highlighted in the table. Soil gas results for TCE and PCE are shown on Figures 4 and 5, respectively. Two values are reported at each implant location. The upper number represents the highest concentration at the 5-foot depth from the primary or confirmation sampling. The lower number is the highest result from the 15-foot depth. The data values are blue if no TCE or PCE concentrations were detected, green if detected but below the screening level and orange if detected above the screening level. The well location symbol is colored the same as the highest result observed in either the 5-foot or 15-foot depth.

[3] Subsequent to completion of the soil gas investigation, EPA issued its final human health assessment for TCE (September 28, 2011) and for PCE (February 10, 2012). Based on these assessments, EPA lowered the Regional Screening Level (RSL) for Indoor Air for TCE and raised the RSL for Indoor Air for PCE. The revised values are discussed in Section 4.1 of this report and are shown in EPA's RSL tables dated May 2012.

4.3 IDENTIFICATION OF AREAS OF INTEREST FOR INDOOR AIR INVESTIGATION

Freescale/Clear Creek and EPA evaluated the data and identified several areas where an indoor air/sub-slab investigation was warranted based on the soil gas results. Those general areas are reflected on Figure 6. A conservative approach was taken to identify study areas such that the indoor air study areas are large enough to be bounded by soil gas screening levels that meet the residential SGHHSLs. SV55, located on commercial property north of McDowell and east of 48th Street, was slightly above the SGHHSL in the 15-foot sampling interval but is approximately 10-fold below the commercial SGHHSL so it was not included in an indoor air study area. Although SV11 and SV52, located on commercial property on the south side of McDowell Road east of 48th Street, were also below the commercial SGHHSL, they were included in an indoor air study area to be conservative due to the presence of a school.

The rationale and procedures for conducting the indoor air investigation are set forth in a Sub-slab and Indoor Sampling Work Plan. Consistent with the AOC, Freescale submitted a building inventory with the draft indoor air work plan on June 6, 2011. Freescale submitted a revised work plan on June 27, 2011 and again on July 18, 2011 in response to comments from EPA. EPA gave conditional approval of the indoor air work plan on July 22, 2011. A final indoor air work plan was submitted on August 11, 2011, amended May 4, 2012 and approved by EPA on May 21, 2012. Freescale recognized that the revised RSL value for TCE would have an effect on the calculated SGHHSL and the identification of indoor air study areas. Accordingly, Freescale has proposed to conduct additional indoor air sampling based on the results of the soil gas investigation. The indoor air/sub-slab investigation will be presented in a separate report in accordance with the AOC.

4.4 COMPARISON OF RESULTS TO GROUNDWATER CONCENTRATIONS

In addition to evaluating the soil gas results with regard to identifying if an indoor air investigation was necessary, Clear Creek also reviewed the data with regard to what is known about the groundwater concentrations in the same area to determine if there were any correlations between the two and to evaluate whether the distribution of data is consistent with the conceptual site model.

TCE concentration contours in groundwater are overlain on the TCE soil gas results on Figure 7. A comparison of the TCE soil gas concentrations to the TCE contours in groundwater shows that elevated soil gas concentrations along 50th Street and near the northern part of the Old Crosscut Canal roughly correspond to elevated groundwater concentrations, but the groundwater concentrations do not correlate well with elevated soil gas concentrations along Willetta Street and Almeria Road. It should be noted, however, that the available data for alluvial groundwater is limited in these two areas. The elevated soil gas concentrations along Willetta Street are roughly coincident with the location of a subsurface bedrock ridge. The presence of the bedrock ridge locally alters groundwater flow directions and creates a preferential flow and transport pathway directed to the northwest. The presence of the elevated soil gas concentrations in this area is thought to relate to either: i) the presence of a thin zone of impacted groundwater flowing along the bedrock ridge that cannot be observed in the existing well network; or ii) to residual mass within the subsurface left behind by historical transport and exposed as a result of declining water levels. Groundwater flow in the vicinity of the bedrock ridge is a low flow zone (an area with a reduced hydraulic gradient), thus, contaminants are less likely to be flushed from the area over time compared to areas further to the north away from the ridge. As part of a separate investigation, on December 29, 2011 Freescale submitted a draft Work Plan for the installation of additional groundwater monitoring wells in the OU1 area to address identified data gaps. The results from this soil gas investigation were considered when evaluating potential data gaps in the OU1 area.

A map of the PCE soil gas concentrations and the groundwater concentration contours is presented as Figure 8. PCE concentrations in groundwater are relatively low in the OU1 area and, except for elevated concentrations in the courtyard area near SV02 which shows a soil gas concentration of up to 1,900 ug/m^3, the remaining elevated soil gas concentrations do not match up with groundwater contours. In general, the distribution of elevated PCE in soil gas along Willetta Street is similar, albeit with lower observed concentrations, as the TCE distribution and its distribution is thought to be associated with the same groundwater flow factors discussed above. No elevated PCE soil gas concentrations are observed along Almeria Road likely as a result of the minimal PCE source and absence of PCE contamination in groundwater in the OU1 area.

Chloroform and bromodichloromethane are trihalomethanes (THMs) which are disinfection by-products commonly produced during the chlorination of municipal water supplies. Chloroform is not part of the current list of analyzed parameters in groundwater samples; however, the most recent sampling round when chloroform was analyzed sitewide (4th quarter 1997) showed no elevated levels (see Appendix F). Bromodichloromethane is also no longer analyzed on a regular basis, but review of historic data show no elevated areas in the alluvial groundwater. As discussed in the attached Technical Memorandum, Appendix F, the chloroform and bromo-dichloromethane observed in soil gas are thought to originate from municipal water or wastewater sources in the area.

5.0 CONCLUSIONS

The purpose of the soil gas investigation was to determine whether soil gas in the study area exceeded risk based soil gas screening levels and, if so, to identify areas of interest for conducting an indoor air investigation. Soil gas implants were installed at 26 originally planned locations and 53 step-out locations. As discussed in Section 4.1, step-out locations were installed when either perimeter sampling locations exceeded the SGHHSL for TCE in order to bound the soil gas investigation study area, or within the perimeter of the soil gas investigation study area in order to provide additional data to refine the identified the indoor air investigation areas of interest. Primary and confirmation samples were collected from the 5-foot and 15-foot implants at 77 locations. Duplicate and replicate samples were collected in accordance with the requirements of the approved Soil Gas Investigation Work Plan. The data were validated and determined to be of acceptable quality. The area with soil gas concentrations in excess of the screening levels related to historical operations at the former Motorola 52nd Street facility has been bounded by the step-out sampling locations and the completion of the soil gas investigation was approved by EPA on September 29, 2011.

Concentrations of soil gas above the screening levels led to the identification of areas of interest that are generally bounded by soil gas sampling locations that are below the risk based screening level for TCE. Freescale recognized that the revised RSL value for TCE would have an effect on the calculated SGHHSL and the identification of indoor air study areas. Accordingly, Freescale has proposed to conduct additional indoor air sampling based on the results of the soil gas investigation. The objectives and procedures to be implemented for a sub-slab and indoor air investigation were developed pursuant to the draft and final work plans (July 22 and August 11, 2011) approved by EPA and the amended work plan dated May 4, 2012 and approved by EPA on May 21, 2012. The indoor air investigation is being implemented in accordance with the AOC and Indoor Air Work Plan and subsequent addenda.

6.0 REFERENCES

American National Standards Institute/American Society for Quality Control, 1994. American National Standard – Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs (ANSI/ASQC E4-1994). Part A: Management Systems. Part B: Collection and Evaluation of Environmental Data. American Society for Quality Control. Approved January 3, 1995. 1994.

Arizona Department of Health Services, 1992. Baseline Risk Assessment, Motorola, Inc. 52nd Street Facility, Phoenix, Arizona. Report prepared for Arizona Department of Environmental Quality under the Water Quality Assurance Revolving Fund. Prepared by Arizona Department of Health Services, Office of Risk Assessment and Investigation. November, 1992.

California Department of Toxic Substances Control, 2005. Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air. Revised February 7, 2005.

California Environmental Protection Agency (California EPA), 2010. Draft Advisory – Active Soil Gas Investigation. March 3, 2010.

Clear Creek Associates, 2010. Operable Unit No. 1 Effectiveness Report – 2009 Operations at 52nd Street Superfund Site. Submitted to Arizona Department of Environmental Quality. Prepared for Freescale Semiconductor, Inc. March 2010.

Clear Creek Associates, 2011. Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation Operable Unit No. 1 Motorola 52nd Street Superfund Site Phoenix Arizona. Submitted to U.S. Environmental Protection Agency. Prepared for Freescale Semiconductor, Inc. March 2011.

Dames & Moore, 1985. Soil-Gas Investigation Report (Draft). Remedial Investigation/ Feasibility Study, Motorola, Inc. 52nd Street and McDowell Road, Phoenix, Arizona. August 1985. Includes results of November 1984 and February - March 1985 soil gas sampling.

Dames & Moore, 1987. Remedial Investigation, Motorola 52nd Street Superfund Site RI/FS, June 1987.

Dames & Moore, 1991. Transmittal of SWPL Soil Gas Data to Arizona Department of Health Services (ADHS). August 11, 1991.

Dames & Moore, 1995. Soil-Gas Sample Locations, Motorola 52nd Street Superfund Site January 1995.

Dames & Moore, 1998. Soil-Gas Sample Locations, Motorola 52nd Street Superfund Site April 1998.

Department of Toxic Substances Control and California Regional Water Quality Control Board – Los Angeles Region. Advisory – Active Soil Gas Investigations. Document addressed to interested parties. January 28, 2003.

Gutierrez-Palmenberg, Inc., 1983. Preliminary Report Chemical Leak Project. Motorola 52nd Street. December 9, 1983.

Hartman, Blaine, 2006. How to Collect Reliable Soil-Gas Data for Risk-Based Applications - Specifically Vapor Intrusion. Part 4 - Updates on Soil-Gas Collection and Analytical Procedures. LUSTLine Bulletin 53, pp. 14-19. September 2006.

Hydro Geo Chem, 1991. Soil Gas Survey of Motorola SWPL, April 10, 1991.

Luo, Hong; Dahlen, Paul; Johnson, Paul C.; Peargin, Tom; and Creamer, Todd, 2009. Spatial Variability of Soil-Gas Concentrations near and beneath a Building Overlying Shallow Petroleum Hydrocarbon-Impacted Soils. Ground Water Monitoring and Remediation, 29 no. 1, pp 81-91. Winter 2009.

Malcolm Pirnie, 1992. Soil Gas and Soil Sampling and Testing Program at Motorola 52nd Street Facility. Study conducted for ADEQ. March and July 1992 sampling dates.

Tracer Research Corporation, 1991. Shallow Soil Gas Investigation, Motorola 52nd Street Facility, Southwest Parking Lot (SWPL) Area, Phoenix, Arizona, October - November 1991.

Tracer Research Corporation, 1992. Shallow Soil Gas Investigation, Motorola 52nd Street Facility, Phoenix, Arizona, January 1992.

Tracer Research Corporation, 1996. Vapor Trace Shallow Soil Gas Survey for Motorola, Inc., Phoenix, Arizona. November 27 through 30, 1995. Report submitted March 1996.

U.S. Environmental Protection Agency (EPA), 2001. EPA Requirements with Quality Management Plans (QA/R-2) (EPA/240/B-01/002). March 2001.

U.S. Environmental Protection Agency, 2002. Draft Guidance for Evaluating the Vapor Intrusion Pathway to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), US EPA, November 2002.

U.S. Environmental Protection Agency Region IX, 2010a. Administrative Settlement Agreement and Order on Consent, CERCLA Docket No. 2010-06, August 2010.

U.S. Environmental Protection Agency, 2010b. Review of the Draft 2002 Subsurface Vapor Intrusion Guidance, US EPA, August 2010.

U.S. Environmental Protection Agency, 2012. Regional Screening Levels May 2012. http://www.epa.gov/region9/superfund/prg/ May, 2012.

TABLES

This page intentionally left blank for duplex printing

Table 1

Soil Gas Implant Installation, Sampling and Abandonment Dates

Site ID	Implant Install Date	Completion Time (24-hour clock)	Primary Sample Date	Sample Time (24-hour clock)	Lab	Primary Sample Duplicate	Confirmation Sample Date	Confirmation Sample Time (24-hour clock)	Lab	Confirmation Sample Duplicate or Replicate	Implant Abandonment Date
SV01-05	4/23/2011	1040	4/25/11	1147	H&P Mobile		5/4/11	1148	H&P Mobile		10/29/2011
SV01-15	4/23/2011	1040	4/25/11	1117	H&P Mobile		5/4/11	1108	H&P Mobile		10/29/2011
SV02-05	4/21/2011	1600	4/23/11	0945	H&P Mobile		5/4/11	1243	H&P Mobile	Replicate	10/28/2011
SV02-15	4/21/2011	1600	4/23/11	0915	H&P Mobile		5/4/11	1348	H&P Mobile		10/28/2011
SV03-05	4/19/2011	1500	4/20/11	1034	H&P Mobile		5/3/11	0907	H&P Mobile		10/28/2011
SV03-15	4/19/2011	1500	4/20/11	0957	H&P Mobile		5/3/11	0837	H&P Mobile		10/28/2011
SV04-05	4/19/2011	1000	4/19/11	1607	H&P Mobile		4/27/11	1311	H&P Mobile	Duplicate	10/27/2011
SV04-15	4/19/2011	1000	4/19/11	1456	H&P Mobile	Duplicate	4/27/11	1202	H&P Mobile	Replicate	10/27/2011
SV05-05	4/19/2011	0800	4/19/11	1410	H&P Mobile		4/27/11	1045	H&P Mobile		10/27/2011
SV05-15	4/19/2011	0800	4/19/11	1328	H&P Mobile		4/27/11	1016	H&P Mobile		10/27/2011
SV06-05	4/21/2011	1430	4/22/11	1508	H&P Mobile		5/2/11	1049	H&P Mobile		10/24/2011
SV06-15	4/21/2011	1430	4/22/11	1400	H&P Mobile	Duplicate	5/2/11	1017	H&P Mobile	Replicate	10/24/2011
SV07-05	4/21/2011	1200	4/22/11	1239	H&P Mobile		5/5/11	1203	H&P Mobile	Duplicate	10/28/2011
SV07-15	4/21/2011	1200	4/22/11	1143	H&P Mobile		5/5/11	1141	H&P Mobile		10/28/2011
SV08-05	4/21/2011	0930	4/21/11	1542	H&P Mobile	Duplicate	5/5/11	1118	H&P Mobile		10/28/2011
SV08-15	4/21/2011	0930	4/21/11	1515	H&P Mobile		5/5/11	1055	H&P Mobile		10/28/2011
SV09-05	4/21/2011	0800	4/21/11	1214	H&P Mobile		5/4/11	1512	H&P Mobile		10/28/2011
SV09-15	4/21/2011	0800	4/21/11	1008	H&P Mobile		5/4/11	1423	H&P Mobile	Duplicate	10/28/2011
SV10-05	4/23/2011	0755*	4/23/11	1208	H&P Mobile		5/5/11	1402	H&P Mobile		10/31/2011
SV10-15	4/23/2011	0755*	4/23/11	1137	H&P Mobile		5/5/11	1329	H&P Mobile		10/31/2011
SV11-05	4/23/2011	0900	4/23/11	1304	H&P Mobile		5/5/11	1501	H&P Mobile		10/28/2011
SV11-15	4/23/2011	0900	4/23/11	1235	H&P Mobile		5/5/11	1432	H&P Mobile	Replicate	10/28/2011
SV12-05	4/22/2011	1000	4/23/11	1043	H&P Mobile	Duplicate	5/2/11	1438	H&P Mobile		10/28/2011
SV12-15	4/22/2011	1000	4/23/11	1014	H&P Mobile		5/2/11	1404	H&P Mobile		10/28/2011
SV13-05	4/20/2011	1530	4/21/11	0928	H&P Mobile		5/3/11	1547	H&P Mobile		10/27/2011
SV13-15	4/20/2011	1530	4/21/11	0847	H&P Mobile	Duplicate	5/3/11	1447	H&P Mobile	Replicate	10/27/2011
SV14-05	4/20/2011	1345	4/20/11	1628	H&P Mobile		5/3/11	1012	H&P Mobile	Duplicate	10/27/2011
SV14-15	4/20/2011	1345	4/21/11	1251	H&P Mobile		5/3/11	0939	H&P Mobile		10/27/2011
SV15-05	4/20/2011	0800	4/20/11	1149	H&P Mobile		5/3/11	1138	H&P Mobile		10/28/2011
SV15-15	4/20/2011	0800	4/20/11	1117	H&P Mobile		5/3/11	1110	H&P Mobile		10/28/2011
SV16-05	4/20/2011	0930	4/20/11	1336	H&P Mobile		5/3/11	1234	H&P Mobile		10/28/2011
SV16-15	4/20/2011	0930	4/20/11	1259	H&P Mobile		5/3/11	1206	H&P Mobile		10/28/2011
SV17-05	4/20/2011	1200	4/20/11	1449	H&P Mobile	Duplicate	5/3/11	1415	H&P Mobile		10/28/2011
SV17-15	4/20/2011	1200	4/20/11	1410	H&P Mobile		5/3/11	1346	H&P Mobile		10/28/2011
SV18-05	4/25/2011	1245	4/25/11	1615	H&P Mobile		5/6/11	1011	H&P Mobile	Duplicate	10/24/2011
SV18-15	4/25/2011	1245	4/25/11	1524	H&P Mobile	Duplicate	5/9/11	1212	H&P Mobile	Replicate	10/24/2011
SV19-05	4/26/2011	0730	4/26/11	1014	H&P Mobile		5/9/11	0915	H&P Mobile		10/28/2011
SV19-15	4/26/2011	0730	4/26/11	0944	H&P Mobile		5/9/11	0843	H&P Mobile		10/28/2011
SV20-05	4/25/2011	1430	4/26/11	0910	H&P Mobile		5/6/11	0912	H&P Mobile		10/27/2011
SV20-15	4/25/2011	1430	4/26/11	0835	H&P Mobile		5/6/11	0835	H&P Mobile	Replicate	10/27/2011
SV21-05	4/25/2011	0800	4/25/11	1316	H&P Mobile		5/4/11	1034	H&P Mobile		10/28/2011
SV21-15	4/25/2011	0800	4/25/11	1241	H&P Mobile		5/4/11	1002	H&P Mobile		10/28/2011
SV22-05	4/25/2011	0930	4/25/11	1454	H&P Mobile		5/5/11	1600	H&P Mobile		10/28/2011
SV22-15	4/25/2011	0930	4/25/11	1348	H&P Mobile	Duplicate	5/5/11	1531	H&P Mobile		10/28/2011
SV23-05	4/22/2011	0800	4/25/11	1044	H&P Mobile		5/4/11	0930	H&P Mobile		10/26/2011
SV23-15	4/22/2011	0800	4/25/11	1015	H&P Mobile		5/4/11	0901	H&P Mobile		10/26/2011

Table 1

Soil Gas Implant Installation, Sampling and Abandonment Dates

Site ID	Implant Install Date	Completion Time (24-hour clock)	Primary Sample Date	Sample Time (24-hour clock)	Lab	Primary Sample Duplicate	Confirmation Sample Date	Confirmation Sample Time (24-hour clock)	Lab	Confirmation Sample Duplicate or Replicate	Implant Abandonment Date
SV24-05	4/18/2011	1300	4/19/11	1228	H&P Mobile		4/27/11	0937	H&P Mobile		10/24/2011
SV24-15	4/18/2011	1300	4/19/11	1039	H&P Mobile		4/27/11	0857	H&P Mobile		10/24/2011
SV25-05	4/18/2011	1200	4/19/11	0946	H&P Mobile		5/2/11	1321	H&P Mobile		10/24/2011
SV25-15	4/18/2011	1200	4/18/11	1514	H&P Mobile	Duplicate	5/2/11	1215	H&P Mobile	Replicate	10/24/2011
SV26-05	4/19/2011	1300	4/20/11	0906	H&P Mobile		5/2/11	1607	H&P Mobile		10/27/2011
SV26-15	4/19/2011	1300	4/20/11	0829	H&P Mobile		5/2/11	1510	H&P Mobile	Dup, Rep	10/27/2011
SV27-05	4/27/2011	1010*	4/28/11	1019	H&P Mobile		5/9/11	1015	H&P Mobile		10/24/2011
SV27-15	4/27/2011	1010*	4/28/11	0945	H&P Mobile		5/9/11	0945	H&P Mobile		10/24/2011
SV28-05	4/27/2011	0835	4/28/11	0915	H&P Mobile		5/9/11	1140	H&P Mobile		10/27/2011
SV28-15	4/27/2011	0835	4/28/11	0841	H&P Mobile		5/9/11	1045	H&P Mobile	Duplicate	10/27/2011
SV29-05	4/27/2011	1210	4/28/11	1214	H&P Mobile	Duplicate	5/9/11	1423	H&P Mobile		10/27/2011
SV29-15	4/27/2011	1210	4/28/11	1147	H&P Mobile		5/9/11	1358	H&P Mobile		10/27/2011
SV30-05	4/28/2011	0830	4/28/11	1642	H&P Mobile		5/10/11	1635	H&P Mobile		10/27/2011
SV30-15	4/28/2011	0830	4/28/11	1622	H&P Mobile		5/10/11	1612	H&P Mobile		10/27/2011
SV31-05	4/28/2011	1000	4/29/11	0949	H&P Mobile		5/10/11	1046	H&P Mobile		10/27/2011
SV31-15	4/28/2011	1000	4/29/11	0913	H&P Mobile		5/10/11	1008	H&P Mobile		10/27/2011
SV32-05	4/28/2011	1130	4/29/11	1057	H&P Mobile		5/10/11	1149	H&P Mobile		10/24/2011
SV32-15	4/28/2011	1130	4/29/11	1024	H&P Mobile		5/10/11	1120	H&P Mobile		10/24/2011
SV33-05	4/27/2011	1610*	4/28/11	1415	H&P Mobile		5/9/11	1523	H&P Mobile		10/27/2011
SV33-15	4/27/2011	1610*	4/28/11	1344	H&P Mobile		5/9/11	1455	H&P Mobile		10/27/2011
SV34-05	4/27/2011	1430	4/28/11	1547	H&P Mobile		5/10/11	0937	H&P Mobile		10/27/2011
SV34-15	4/27/2011	1430	4/28/11	1519	H&P Mobile		5/10/11	0907	H&P Mobile		10/27/2011
SV35-05	4/26/2011	0930	4/26/11	1432	H&P Mobile		5/6/11	1253	H&P Mobile		10/24/2011
SV35-15	4/26/2011	0930	4/26/11	1219	H&P Mobile	Duplicate	5/6/11	1149	H&P Mobile		10/24/2011
SV36-05	4/26/2011	1125*	4/26/11	1605	H&P Mobile		5/6/11	1551	H&P Mobile		10/24/2011
SV36-15	4/26/2011	1125*	4/26/11	1536	H&P Mobile		5/6/11	1522	H&P Mobile		10/24/2011
SV37-05	4/28/2011	1350	4/29/11	1335	H&P Mobile		5/11/11	1527	H&P Mobile		10/24/2011
SV37-15	4/28/2011	1350	4/29/11	1304	H&P Mobile		5/11/11	1452	H&P Mobile		10/24/2011
SV38-05	4/29/2011	1345	5/2/11	0917	H&P Mobile		5/16/11	1557	H&P Mobile		10/27/2011
SV38-15	4/29/2011	1345	5/2/11	0847	H&P Mobile		5/16/11	1527	H&P Mobile		10/27/2011
SV39-05	5/10/2011	0945	5/10/11	1415	H&P Mobile		5/17/11	1231	H&P Mobile		10/28/2011
SV39-15	5/10/2011	0945	5/10/11	1329	H&P Mobile		5/17/11	1203	H&P Mobile		10/28/2011
SV40-05	5/10/2011	1150*	5/10/11	1545	H&P Mobile		5/18/11	0937	H&P Mobile	Duplicate	10/24/2011
SV40-15	5/10/2011	1150*	5/10/11	1447	H&P Mobile	Duplicate	5/18/11	0900	H&P Mobile	Replicate	10/24/2011
SV41-05	5/12/2011	1436	5/12/11	1600	H&P Mobile		5/18/11	1511	H&P Mobile		10/28/2011
SV41-15	5/12/2011	1436	5/12/11	1530	H&P Mobile		5/18/11	1444	H&P Mobile		10/28/2011
SV42-05	5/12/2011	1618	5/13/11	1147	H&P Mobile		5/20/11	0935	H&P Mobile		10/28/2011
SV42-15	5/12/2011	1618	5/13/11	1120	H&P Mobile		5/20/11	0843	H&P Mobile	Duplicate	10/28/2011
SV43-05	4/29/2011	1245	4/29/11	1553	H&P Mobile		5/11/11	1616	H&P Mobile		10/27/2011
SV43-15	4/29/2011	1245	4/29/11	1528	H&P Mobile		5/11/11	1552	H&P Mobile		10/27/2011
SV44-05	4/29/2011	0830	4/29/11	1431	H&P Mobile	Duplicate	5/12/11	1459	H&P Mobile		10/25/2011
SV44-15	4/29/2011	0830	4/29/11	1403	H&P Mobile		5/12/11	1405	H&P Mobile	Duplicate	10/25/2011
SV45-05	4/29/2011	1030	4/29/11	1157	H&P Mobile		5/6/11	1424	H&P Mobile		10/24/2011
SV45-15	4/29/2011	1030	4/29/11	1126	H&P Mobile		5/6/11	1357	H&P Mobile		10/24/2011
SV46-05	5/13/2011	1532	5/16/11	1206	H&P Mobile		5/23/11	0906	H&P Mobile		10/26/2011
SV46-15	5/13/2011	1532	5/16/11	1111	H&P Mobile	Duplicate	5/23/11	0834	H&P Mobile		10/26/2011

Table 1

Soil Gas Implant Installation, Sampling and Abandonment Dates

Site ID	Implant Install Date	Completion Time (24-hour clock)	Primary Sample Date	Sample Time (24-hour clock)	Lab	Primary Sample Duplicate	Confirmation Sample Date	Confirmation Sample Time (24-hour clock)	Lab	Confirmation Sample Duplicate or Replicate	Implant Abandonment Date
SV47-05	5/11/2011	1605	5/12/11	0933	H&P Mobile		5/19/11	0913	H&P Mobile		10/26/2011
SV47-15	5/11/2011	1605	5/12/11	0905	H&P Mobile		5/19/11	0844	H&P Mobile		10/26/2011
SV48-05	5/12/2011	1238	5/13/11	1050	H&P Mobile		5/16/11	1456	H&P Mobile		Paved Over
SV48-15	5/12/2011	1238	5/13/11	1012	H&P Mobile		5/16/11	1426	H&P Mobile		Paved Over
SV49-05	5/12/2011	1030	5/13/11	0938	H&P Mobile		5/16/11	1354	H&P Mobile		10/26/2011
SV49-15	5/12/2011	1030	5/13/11	0833	H&P Mobile	Duplicate	5/16/11	1322	H&P Mobile	Replicate	10/26/2011
SV50-05	5/10/2011	1357	5/11/11	0954	H&P Mobile		5/17/11	1131	H&P Mobile		10/26/2011
SV50-15	5/10/2011	1357	5/11/11	0925	H&P Mobile		5/17/11	1103	H&P Mobile		10/26/2011
SV51-05	5/11/2011	1456	5/12/11	1051	H&P Mobile		5/19/11	1014	H&P Mobile		10/26/2011
SV51-15	5/11/2011	1456	5/12/11	1010	H&P Mobile		5/19/11	0945	H&P Mobile	Replicate	10/26/2011
SV52-05	5/18/2011	1442	5/18/11	1606	H&P Mobile		5/23/11	1430	H&P Mobile		10/28/2011
SV52-15	5/18/2011	1442	5/18/11	1539	H&P Mobile		5/23/11	1400	H&P Mobile		10/28/2011
SV53-05	5/18/2011	1210	5/18/11	1356	H&P Mobile		5/23/11	1230	H&P Mobile		10/31/2011
SV53-15	5/18/2011	1210	5/18/11	1323	H&P Mobile		5/23/11	1130	H&P Mobile	Duplicate	10/31/2011
SV54-05	5/1/2011	0846	5/12/11	1304	H&P Mobile		5/19/11	1544	H&P Mobile		10/28/2011
SV54-15	5/12/2011	0846	5/12/11	1203	H&P Mobile		5/19/11	1430	H&P Mobile		10/28/2011
SV55-05	5/18/2011	1610	5/19/11	1142	H&P Mobile	Duplicate	5/23/11	1533	H&P Mobile		10/31/2011
SV55-15	5/18/2011	1610	5/19/11	1114	H&P Mobile		5/23/11	1501	H&P Mobile		10/31/2011
SV56-05	5/13/2011	1408	5/16/11	1043	H&P Mobile		5/20/11	1623	H&P Mobile		10/27/2011
SV56-15	5/13/2011	1408	5/16/11	0944	H&P Mobile		5/20/11	1533	H&P Mobile		10/27/2011
SV57-05	5/13/2011	1152	5/16/11	0832	H&P Mobile		5/20/11	1433	H&P Mobile		10/27/2011
SV57-15	5/13/2011	1152	5/13/11	1614	H&P Mobile		5/20/11	1401	H&P Mobile		10/27/2011
SV58-05	5/13/2011	1028	5/13/11	1528	H&P Mobile		5/20/11	1228	H&P Mobile		10/27/2011
SV58-15	5/13/2011	1028	5/13/11	1431	H&P Mobile		5/20/11	1115	H&P Mobile		10/27/2011
SV59-05	5/11/2011	1028	5/11/11	1237	H&P Mobile		5/17/11	0937	H&P Mobile		10/27/2011
SV59-15	5/11/2011	1028	5/11/11	1201	H&P Mobile		5/17/11	0841	H&P Mobile	Duplicate	10/27/2011
SV60-05	6/14/2011	0810	6/16/11	1114	Test America		6/28/11	1203	H&P Fixed		10/28/2011
SV60-15	6/14/2011	0810	6/16/11	1105	Test America		6/28/11	1153	H&P Fixed		10/28/2011
SV61-05	5/18/2011	0854	5/18/11	1109	H&P Mobile		5/23/11	1006	H&P Mobile		10/28/2011
SV61-15	5/18/2011	0854	5/18/11	1037	H&P Mobile		5/23/11	0934	H&P Mobile	Replicate	10/28/2011
SV62-05	5/10/2011	1600	5/11/11	1131	H&P Mobile		5/18/11	0827	H&P Mobile		10/27/2011
SV62-15	5/10/2011	1600	5/11/11	1026	H&P Mobile	Duplicate	5/17/11	1334	H&P Mobile		10/27/2011
SV63-05	5/11/2011	1200	5/11/11	1417	H&P Mobile		5/17/11	1034	H&P Mobile		10/27/2011
SV63-15	5/11/2011	1200	5/11/11	1348	H&P Mobile		5/17/11	1005	H&P Mobile		10/27/2011
SV64-05	6/13/2011	1500	6/15/11	1034	Test America		6/28/11	0923	H&P Fixed		10/24/2011
SV64-15	6/13/2011	1500	6/15/11	1021	Test America		6/28/11	0910	H&P Fixed		10/24/2011
SV65-05	5/13/2011	0848	5/13/11	1333	H&P Mobile		5/20/11	0811	H&P Mobile		10/24/2011
SV65-15	5/13/2011	0848	5/13/11	1253	H&P Mobile		5/19/11	1613	H&P Mobile		10/24/2011
SV66-05	5/18/2011	1038	5/18/11	1211	H&P Mobile		5/23/11	1100	H&P Mobile		10/24/2011
SV66-15	5/18/2011	1038	5/18/11	1142	H&P Mobile		5/23/11	1033	H&P Mobile		10/24/2011
SV67-05	6/14/2011	1000*	6/15/11	1112	Test America		6/28/11	0957	H&P Fixed		10/28/2011
SV67-15	6/14/2011	1000*	6/15/11	1057	Test America	Duplicate	6/28/11	0943	H&P Fixed		10/28/2011
SV68-05	*6/13/2011*	*1200*	*Not Sampled*	*N/S*	*N/S*		*Not Sampled*	*N/S*	*N/S*		10/24/2011
SV68-15	*6/13/2011*	*1200*	*Not Sampled*	*N/S*	*N/S*		*Not Sampled*	*N/S*	*N/S*		10/24/2011
SV69-05	6/13/2011	0945	6/14/11	0817	Test America		6/15/11	0838	Test America		10/31/2011
SV69-15	6/13/2011	0945	6/14/11	0808	Test America		6/15/11	0818	Test America		10/31/2011

Table 1

Soil Gas Implant Installation, Sampling and Abandonment Dates

Site ID	Implant Install Date	Completion Time (24-hour clock)	Primary Sample Date	Sample Time (24-hour clock)	Lab	Primary Sample Duplicate	Confirmation Sample Date	Confirmation Sample Time (24-hour clock)	Lab	Confirmation Sample Duplicate or Replicate	Implant Abandonment Date
SV70-05	*6/13/2011*	*1340*	*Not Sampled*	*N/S*	*N/S*		*Not Sampled*	*N/S*	*N/S*		10/24/2011
SV70-15	*6/13/2011*	*1340*	*Not Sampled*	*N/S*	*N/S*		*Not Sampled*	*N/S*	*N/S*		10/24/2011
SV71-05	6/14/2011	1100	6/15/11	0957	Test America		8/1/11	1430	H&P Fixed		10/31/2011
SV71-15	6/14/2011	1100	6/15/11	0943	Test America		8/1/11	1422	H&P Fixed		10/31/2011
SV72-05	6/14/2011	1200	6/15/11	0921	Test America		8/1/11	0830	H&P Fixed		10/31/2011
SV72-15	6/14/2011	1200	6/15/11	0909	Test America		8/1/11	0816	H&P Fixed		10/31/2011
SV73-05	7/27/2011	0900	7/28/11	0851	H&P Fixed		8/1/11	1129	H&P Fixed		10/31/2011
SV73-15	7/27/2011	0900	7/28/11	0832	H&P Fixed		8/1/11	1116	H&P Fixed		10/31/2011
SV74-05	7/26/2011	1325	7/28/11	0932	H&P Fixed		8/1/11	1051	H&P Fixed		10/31/2011
SV74-15	7/26/2011	1325	7/28/11	0919	H&P Fixed		8/1/11	1041	H&P Fixed		10/31/2011
SV75-05	7/26/2011	1125	7/28/11	1022	H&P Fixed		8/1/11	1021	H&P Fixed		10/31/2011
SV75-15	7/26/2011	1125	7/28/11	1002	H&P Fixed	Duplicate	8/1/11	1007	H&P Fixed		10/31/2011
SV76-05	7/26/2011	1440	7/28/11	1107	H&P Fixed		8/1/11	0943	H&P Fixed		10/31/2011
SV76-15	7/26/2011	1440	7/28/11	1053	H&P Fixed		8/1/11	0932	H&P Fixed		10/31/2011
SV77-05	7/27/2011	1015	7/28/11	1139	H&P Fixed		8/1/11	0900	H&P Fixed		10/31/2011
SV77-15	7/27/2011	1015	7/28/11	1130	H&P Fixed		8/1/11	0846	H&P Fixed		10/31/2011
SV78-05	7/26/2011	0950	7/28/11	1244	H&P Fixed		8/1/11	1159	H&P Fixed		10/31/2011
SV78-15	7/26/2011	0950	7/28/11	1233	H&P Fixed		8/1/11	1150	H&P Fixed		10/31/2011
SV79-05	7/27/2011	1230	7/28/11	1319	H&P Fixed		8/1/11	1247	H&P Fixed		10/31/2011
SV79-15	7/27/2011	1230	7/28/11	1311	H&P Fixed		8/1/11	1228	H&P Fixed	Duplicate	10/31/2011

* Well completion time estimated from field notes where not expressly noted on well as-built
SVXX-05 = sample location at 5-foot depth below ground surface
SVXX-15 = sample location at 15-foot depth below ground surface
H&P Mobile = mobile laboratory
H&P Fixed = California laboratory
N/S = Not Sampled

Table 2
Screening Levels of Target Analytes

Soil Vapor Chemicals	US EPA Indoor Air Residential Screening Levels (RSLs) May 2010 [1]		Attenuation Factors (alpha) [2] (from Cal EPA, January 2005)		Soil Gas Human Health Screening Levels (SGHHSLs) 1.0E-06 Risk Level		Modified TO-15 Laboratory Method Detection Limits (ug/m^3)
	A	B	C	D	A/C	B/D	
	Residential (ug/m^3)	Industrial (ug/m^3)	Residential (unitless)	Industrial (unitless)	Residential (ug/m^3)	Industrial (ug/m^3)	
Bromodichloromethane	6.6E-02	3.3E-01	2.3E-03	1.2E-03	2.9E+01	2.8E+02	15
Carbon Tetrachloride	1.6E-01	8.2E-01	2.3E-03	1.2E-03	7.0E+01	6.8E+02	8
Chlorobenzene	5.2E+01	2.2E+02	2.3E-03	1.2E-03	2.3E+04	1.8E+05	7
Chloroform	1.1E-01	5.3E-01	2.3E-03	1.2E-03	4.8E+01	4.4E+02	8
1,1-Dichloroethane	1.5E+00	7.7E+00	2.3E-03	1.2E-03	6.5E+02	6.4E+03	11
1,2-Dichloroethane	9.4E-02	4.7E-01	2.3E-03	1.2E-03	4.1E+01	3.9E+02	8
1,1-Dichloroethene	2.1E+02	8.8E+02	2.3E-03	1.2E-03	9.1E+04	7.3E+05	12
Cis-1,2-Dichloroethene [3]	6.3E+01	2.6E+02	2.3E-03	1.2E-03	2.7E+04	2.2E+05	7
Trans-1,2-Dichloroethene	6.3E+01	2.6E+02	2.3E-03	1.2E-03	2.7E+04	2.2E+05	9
Methylene Chloride	5.2E+00	2.6E+01	2.3E-03	1.2E-03	2.3E+03	2.2E+04	9
1,1,2,2-Tetrachloroetehane	4.2E-02	2.1E-01	2.3E-03	1.2E-03	1.8E+01	1.8E+02	13
Tetrachloroethene (PCE) [4]	4.1E-01	2.1E+00	2.3E-03	1.2E-03	1.8E+02	1.8E+03	15
1,1,1-Trichloroethane	5.2E+03	2.2E+04	2.3E-03	1.2E-03	2.3E+06	1.8E+07	8
1,1,2-Trichloroethane	1.5E-01	7.7E-01	2.3E-03	1.2E-03	6.5E+01	6.4E+02	9
Trichloroethene (TCE) [5]	1.2E+00	6.1E+00	2.3E-03	1.2E-03	5.2E+02	5.1E+03	8
Trichlorotrifluorethane (F-113)	3.1E+04	1.3E+05	2.3E-03	1.2E-03	1.3E+07	1.1E+08	15
Vinyl Chloride	1.6E-01	2.8E+00	2.3E-03	1.2E-03	7.0E+01	2.3E+03	10

Notes:

1) In effect during the implementation of the approved Soil Gas Sampling Work Plan, Clear Creek Associates, March 17, 2011.
2) Default attenuation factors are estimated for a building constructed without engineered fill below sub-slab.
3) At this time, indoor air RSLs are not available for this compound so the trans1-2-DCE isomer was used as a surrogate value.
4) In May, 2012 EPA revised the RSL for PCE to 9.3E+00 ug/m3 for residential air and 4.7E+01 ug/m3 for industrial air. The calculated SGHHSL at the 1.0E-06 risk level would be 4.0E+03 ug/m3 for residential air and 3.9E+04 ug/m3 for industrial air using the default attenuation factors and the revised RSL value.
5) In November, 2011 EPA revised the RSL for TCE to 4.3E-01 ug/m3 for residential air and 3.0E+00 ug/m3 for industrial air. The calculated SGHHSL at the 1.0E-06 risk level would be 1.9E+02 ug/m3 for residential air and 2.5E+03 ug/m3 for industrial air using the default attenuation factors and the revised RSL value.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV01-05	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	ND	ND	ND	ND
SV01-05	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	**72**	ND	ND	ND	ND	ND	ND	ND
SV01-15	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	ND	ND	ND	ND
SV01-15	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**120**	ND	ND	ND	ND	ND	ND	ND
SV01-15	S	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**80**	5	0.01	ND	ND	ND	ND	ND
SV02-05	P	4/23/11	250	ND	ND	4000	ND	860	ND	ND	ND	ND	**120**	ND	ND	ND	**900**	ND	**3300**	ND
SV02-05	R	5/4/11	310	ND	ND	3800	32	1500	ND	ND	ND	ND	**98**	29	0.084	ND	**1200**	ND	**2600**	ND
SV02-05	C	5/4/11	530	ND	ND	5900	42	2100	ND	ND	ND	ND	**160**	ND	ND	69	**1800**	ND	**4400**	3
SV02-05	S	5/4/11	300	ND	ND	5000	30	1800	ND	ND	ND	ND	**90**	30	ND	ND	**1400**	ND	**3200**	3
SV02-15	P	4/23/11	570	ND	ND	6100	ND	2200	ND	ND	ND	ND	**160**	40	ND	ND	**1900**	ND	**4000**	ND
SV02-15	C	5/4/11	230	ND	ND	3900	ND	840	ND	**46**	ND	ND	**120**	ND	ND	ND	**920**	ND	**3400**	ND
SV03-05	P	4/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**330**	ND	ND	ND	47	ND	220	ND
SV03-05	C	5/3/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**330**	ND	ND	ND	45	ND	220	ND
SV03-15	P	4/20/11	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	**630**	ND	ND	ND	80	ND	410	ND
SV03-15	C	5/3/11	ND	ND	ND	50	ND	ND	ND	ND	ND	ND	**680**	ND	ND	ND	88	ND	460	ND
SV04-05	P	4/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	380	ND
SV04-05	C	4/27/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**260**	ND	**520**	ND
SV04-05	CD	4/27/11	ND	ND	ND	42	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	**210**	ND	440	ND
SV04-15	P	4/19/11	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	**550**	ND	**2200**	ND
SV04-15	D	4/19/11	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	**51**	ND	ND	ND	**450**	ND	**2000**	ND
SV04-15	R	4/27/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	**430**	ND	**1500**	ND
SV04-15	C	4/27/11	ND	ND	ND	47	ND	ND	ND	ND	ND	54	ND	ND	ND	ND	**440**	ND	**1900**	ND
SV05-05	P	4/19/11	ND	ND	ND	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND
SV05-05	C	4/27/11	ND	ND	ND	82	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	96	ND	72	ND
SV05-15	P	4/19/11	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	**58**	ND	ND	ND	46	ND	150	ND
SV05-15	C	4/27/11	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	**82**	ND	ND	ND	100	ND	230	ND
SV06-05	P	4/22/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND
SV06-05	C	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV06-15	P	4/22/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**83**	ND	ND	ND	ND	ND	ND	ND
SV06-15	D	4/22/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**84**	ND	ND	ND	ND	ND	ND	ND
SV06-15	R	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	0.32	4.2	ND	ND	5.4	ND
SV06-15	C	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**76**	ND	ND	ND	ND	ND	ND	ND
SV06-15	S	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	0.07	ND	ND	ND	ND	ND
SV07-05	P	4/22/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	**61**	ND	ND	ND	ND	ND	ND	ND
SV07-05	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**48**	ND	ND	ND	ND	ND	ND	ND
SV07-05	CD	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	**64**	ND	ND	ND	ND	ND	ND	ND
SV07-15	P	4/22/11	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	**170**	ND	ND	ND	ND	ND	62	ND
SV07-15	C	5/5/11	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	**220**	ND	ND	ND	ND	ND	79	ND
SV08-05	P	4/21/11	ND	ND	ND	ND	ND	ND	ND	**49**	ND	ND	**240**	ND	ND	ND	ND	ND	ND	ND
SV08-05	D	4/21/11	ND	ND	ND	ND	ND	ND	ND	**35**	ND	46	**230**	ND	ND	ND	ND	ND	ND	ND
SV08-05	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	**47**	ND	ND	**360**	ND	ND	ND	48	ND	ND	ND
SV08-15	P	4/21/11	ND	ND	ND	75	ND	44	ND	**67**	ND	46	**640**	ND	ND	ND	ND	ND	95	ND
SV08-15	C	5/5/11	ND	ND	ND	ND	ND	42	ND	**100**	ND	72	**890**	ND	ND	ND	70	ND	45	ND
SV09-05	P	4/21/11	ND	ND	ND	ND	ND	ND	ND	**60**	ND	ND	**82**	ND	ND	ND	ND	ND	ND	ND
SV09-05	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	**82**	ND	ND	ND	ND	ND	ND	ND
SV09-15	P	4/21/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**99**	ND	ND	ND	ND	ND	ND	28

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV09-15	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	**250**	ND	ND	ND	ND	ND	50	ND
SV09-15	CD	5/4/11	ND	ND	ND	42	ND	ND	ND	ND	ND	97	**220**	ND	ND	ND	ND	ND	42	ND
SV10-05	P	4/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	91	ND
SV10-05	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**	ND	ND	ND	ND	ND	140	ND
SV10-15	P	4/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**61**	ND	ND	ND	ND	ND	280	ND
SV10-15	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**67**	ND	ND	ND	46	ND	370	ND
SV11-05	P	4/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**86**	ND	ND	ND	ND	ND	290	ND
SV11-05	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	**150**	ND	ND	ND	ND	ND	**580**	ND
SV11-15	P	4/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**250**	ND	ND	ND	ND	ND	**850**	ND
SV11-15	R	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**190**	ND	0.25	ND	ND	ND	**970**	ND
SV11-15	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**430**	ND	ND	ND	ND	ND	**1800**	ND
SV12-05	P	4/23/11	ND	ND	ND	ND	ND	ND	ND	**68**	ND	ND	**120**	ND	ND	ND	ND	ND	88	ND
SV12-05	D	4/23/11	ND	ND	ND	45	ND	ND	ND	**62**	ND	43	**110**	ND	ND	ND	ND	ND	65	ND
SV12-05	C	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	120	ND
SV12-05	S	5/2/11	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	30	ND	ND	ND	ND	ND	50	ND
SV12-15	P	4/23/11	ND	ND	ND	69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	230	ND
SV12-15	C	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	200	ND
SV12-15	S	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	0.8	ND	ND	ND	90	ND
SV13-05	P	4/21/11	ND	ND	ND	430	ND	130	ND	ND	ND	ND	43	130	ND	ND	**510**	ND	**1700**	ND
SV13-05	C	5/3/11	ND	ND	ND	440	ND	110	ND	ND	ND	120	43	110	ND	ND	**410**	ND	**1400**	ND
SV13-15	P	4/21/11	ND	ND	ND	880	ND	320	ND	ND	ND	ND	**71**	360	ND	ND	**1200**	ND	**3800**	ND
SV13-15	D	4/21/11	ND	ND	ND	790	ND	310	ND	**48**	ND	ND	**69**	360	ND	ND	**1000**	ND	**3600**	ND
SV13-15	R	5/3/11	ND	ND	ND	670	ND	240	ND	ND	ND	ND	47	310	ND	ND	**750**	ND	**2400**	ND
SV13-15	C	5/3/11	ND	ND	ND	730	ND	260	ND	ND	ND	ND	**57**	300	ND	ND	**920**	ND	**3000**	ND
SV14-05	P	4/20/11	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	**130**	ND	ND	ND	41	ND	65	ND
SV14-05	C	5/3/11	ND	ND	ND	87	ND	ND	ND	ND	ND	ND	**160**	ND	ND	ND	51	ND	90	ND
SV14-05	CD	5/3/11	ND	ND	ND	68	ND	ND	ND	ND	ND	85	**140**	ND	ND	ND	48	ND	72	ND
SV14-15	P	4/21/11	ND	ND	ND	150	ND	29	ND	ND	ND	ND	**380**	ND	ND	ND	110	ND	240	ND
SV14-15	C	5/3/11	ND	ND	ND	170	ND	24	ND	ND	ND	ND	**360**	ND	ND	ND	100	ND	200	ND
SV15-05	P	4/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	30	ND
SV15-05	C	5/3/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND
SV15-15	P	4/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND
SV15-15	C	5/3/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	ND
SV16-05	P	4/20/11	ND	ND	ND	44	ND	ND	ND	**35**	ND	ND	**130**	ND	ND	ND	ND	ND	ND	ND
SV16-05	C	5/3/11	ND	ND	ND	54	ND	ND	ND	**56**	ND	25	**190**	ND	ND	ND	36	ND	28	ND
SV16-15	P	4/20/11	ND	ND	ND	87	ND	ND	ND	**35**	ND	ND	**120**	ND	ND	ND	ND	ND	31	ND
SV16-15	C	5/3/11	ND	ND	ND	78	ND	ND	ND	**48**	ND	ND	**150**	ND	ND	ND	46	ND	54	ND
SV17-05	P	4/20/11	ND	ND	ND	ND	ND	ND	ND	**71**	ND	ND	**490**	ND	ND	ND	ND	ND	78	ND
SV17-05	D	4/20/11	ND	ND	ND	ND	ND	ND	ND	**39**	ND	62	**460**	ND	ND	ND	ND	ND	53	ND
SV17-05	C	5/3/11	ND	ND	ND	ND	ND	ND	ND	**50**	ND	ND	**840**	ND	ND	ND	ND	ND	130	ND
SV17-15	P	4/20/11	ND	ND	ND	ND	ND	27	ND	**59**	ND	ND	**1000**	ND	ND	ND	ND	ND	140	ND
SV17-15	C	5/3/11	ND	ND	ND	ND	ND	ND	ND	**87**	ND	ND	**1500**	ND	ND	ND	ND	ND	230	ND
SV18-05	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND
SV18-05	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND
SV18-05	CD	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	120	ND	ND	ND
SV18-15	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	**180**	ND	ND	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV18-15	D	4/25/11	ND	ND	ND	45	ND	ND	ND	ND	ND	24	29	ND	ND	ND	100	ND	ND	ND
SV18-15	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	**240**	ND	ND	ND
SV18-15	R	5/9/11	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	21	ND	0.005	ND	160	ND	8.1	ND
SV18-15	C	5/9/11	ND	ND	ND	41	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	**220**	ND	ND	ND
SV19-05	P	4/26/11	ND	ND	ND	95	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	75	ND
SV19-05	C	5/9/11	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	65	ND	120	ND
SV19-15	P	4/26/11	ND	ND	ND	200	ND	67	ND	ND	ND	ND	45	ND	ND	ND	46	ND	180	ND
SV19-15	C	5/9/11	ND	ND	ND	240	ND	58	ND	ND	ND	ND	**58**	ND	ND	ND	120	ND	230	ND
SV20-05	P	4/26/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**390**	71	ND	ND	52	ND	**690**	ND
SV20-05	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**400**	72	ND	ND	56	ND	**620**	ND
SV20-15	P	4/26/11	ND	ND	ND	41	ND	ND	ND	ND	ND	ND	**610**	190	ND	ND	82	ND	**1200**	ND
SV20-15	R	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**320**	130	0.3	ND	60	ND	**750**	ND
SV20-15	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**620**	190	ND	ND	92	ND	**1200**	ND
SV21-05	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**84**	ND	ND	ND	ND	ND	ND	ND
SV21-05	C	5/4/11	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	**99**	ND	ND	ND	ND	ND	ND	ND
SV21-15	P	4/25/11	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	ND	ND	55	ND
SV21-15	C	5/4/11	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	**120**	ND	ND	ND	40	ND	67	ND
SV21-15	S	5/4/11	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	**70**	ND	0.01	ND	20	ND	30	ND
SV22-05	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	51	ND	49	ND
SV22-05	C	5/5/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	35	ND	ND	ND	110	ND	60	ND
SV22-15	P	4/25/11	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	88	ND	100	ND
SV22-15	D	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**49**	ND	ND	ND	84	ND	97	ND
SV22-15	C	5/5/11	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	110	ND	100	ND
SV23-05	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**79**	ND	ND	ND	ND	ND	ND	ND
SV23-05	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**74**	ND	ND	ND	ND	ND	ND	ND
SV23-15	P	4/25/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	29	ND	ND	ND	ND	ND	ND	ND
SV23-15	C	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND
SV23-15	S	5/4/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	0.06	ND	ND	ND	6	ND
SV24-05	P	4/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**59**	ND	ND	ND	ND	ND	450	ND
SV24-05	C	4/27/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**60**	ND	ND	ND	ND	ND	**630**	ND
SV24-15	P	4/19/11	ND	ND	ND	ND	ND	27	ND	**42**	ND	ND	**150**	ND	ND	ND	54	ND	**2400**	ND
SV24-15	C	4/27/11	ND	ND	ND	69	ND	31	ND	**42**	ND	ND	**200**	ND	ND	ND	56	ND	**2300**	ND
SV25-05	P	4/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	47	ND	**5400**	ND
SV25-05	C	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**95**	ND	ND	ND	43	ND	**5300**	ND
SV25-15	P	4/18/11	ND	ND	ND	100	ND	66	ND	ND	ND	33	**250**	92	ND	ND	110	ND	**8600**	ND
SV25-15	D	4/18/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**200**	ND	ND	ND	ND	ND	**8700**	ND
SV25-15	R	5/2/11	ND	ND	ND	53	ND	33	ND	ND	ND	ND	**170**	67	ND	ND	62	ND	**10000**	ND
SV25-15	C	5/2/11	ND	ND	ND	79	ND	57	ND	ND	ND	ND	**330**	100	ND	ND	120	ND	**12000**	ND
SV25-15	S	5/2/11	ND	ND	ND	60	ND	40	ND	20	ND	ND	**200**	80	ND	ND	80	ND	**7700**	ND
SV26-05	P	4/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**60**	ND	ND	ND	71	ND	**1900**	ND
SV26-05	C	5/2/11	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	**58**	ND	ND	ND	83	ND	**2000**	ND
SV26-15	P	4/20/11	ND	ND	ND	96	ND	ND	ND	**48**	ND	ND	**120**	ND	ND	ND	57	ND	**3200**	ND
SV26-15	R	5/2/11	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	**78**	ND	0.12	ND	61	ND	**2200**	ND
SV26-15	C	5/2/11	ND	ND	ND	88	ND	ND	ND	ND	ND	ND	**140**	ND	ND	ND	130	ND	**4200**	ND
SV26-15	CD	5/2/11	ND	ND	ND	77	ND	ND	ND	ND	ND	67	**120**	ND	ND	ND	59	ND	**3100**	ND
SV27-05	P	4/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	51	ND	260	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV27-05	C	5/9/11	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	240	ND
SV27-15	P	4/28/11	ND	ND	ND	170	ND	ND	ND	ND	ND	55	**130**	ND	ND	ND	55	ND	**1200**	ND
SV27-15	C	5/9/11	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	**170**	ND	ND	ND	**180**	ND	**1900**	ND
SV28-05	P	4/28/11	ND	ND	ND	58	ND	ND	ND	ND	ND	ND	**140**	ND	ND	ND	160	ND	370	ND
SV28-05	C	5/9/11	ND	ND	ND	68	ND	ND	ND	ND	ND	ND	**160**	ND	ND	ND	**190**	ND	350	ND
SV28-15	P	4/28/11	ND	ND	ND	86	ND	ND	ND	ND	ND	ND	**490**	ND	ND	ND	**180**	ND	**970**	ND
SV28-15	C	5/9/11	ND	ND	ND	79	ND	ND	ND	ND	ND	ND	**520**	ND	ND	ND	170	ND	**950**	ND
SV28-15	CD	5/9/11	ND	ND	ND	65	ND	ND	ND	ND	ND	59	**400**	ND	ND	ND	130	ND	**690**	ND
SV29-05	P	4/28/11	ND	ND	ND	66	ND	ND	ND	**96**	ND	29	**160**	ND	ND	ND	130	ND	**3400**	ND
SV29-05	D	4/28/11	ND	ND	ND	66	ND	ND	ND	**94**	ND	53	**150**	ND	ND	ND	98	ND	**2800**	ND
SV29-05	C	5/9/11	ND	ND	ND	43	ND	ND	ND	**44**	ND	ND	**61**	ND	ND	ND	170	ND	**3100**	ND
SV29-15	P	4/28/11	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	**230**	ND	ND	ND	**440**	ND	**4700**	ND
SV29-15	C	5/9/11	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	**230**	ND	ND	ND	**600**	ND	**6200**	ND
SV30-05	P	4/28/11	ND	ND	ND	71	ND	30	ND	ND	ND	ND	37	43	ND	ND	150	ND	400	ND
SV30-05	C	5/10/11	ND	ND	ND	120	ND	30	ND	ND	ND	ND	28	42	ND	ND	**330**	ND	**570**	ND
SV30-15	P	4/28/11	ND	ND	ND	240	ND	97	ND	ND	ND	ND	**49**	160	ND	ND	**410**	ND	**1100**	ND
SV30-15	C	5/10/11	ND	ND	ND	220	ND	85	ND	ND	ND	ND	**55**	170	ND	ND	**610**	ND	**1200**	ND
SV31-05	P	4/29/11	ND	ND	ND	180	ND	76	ND	ND	ND	ND	**59**	ND	ND	ND	**190**	ND	**880**	ND
SV31-05	C	5/10/11	ND	ND	ND	120	ND	74	ND	ND	ND	ND	45	ND	ND	ND	140	ND	**720**	ND
SV31-15	P	4/29/11	ND	ND	ND	490	ND	210	ND	ND	ND	ND	**99**	100	ND	19	**190**	ND	**1500**	ND
SV31-15	C	5/10/11	ND	ND	ND	610	ND	340	ND	ND	ND	ND	**120**	160	ND	ND	**490**	ND	**2900**	ND
SV32-05	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV32-05	C	5/10/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV32-15	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV32-15	C	5/10/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND
SV33-05	P	4/28/11	ND	ND	ND	400	ND	51	ND	**38**	ND	ND	**110**	ND	ND	32	**200**	ND	**970**	ND
SV33-05	C	5/9/11	ND	ND	ND	500	ND	61	ND	ND	ND	ND	**100**	ND	ND	ND	**210**	ND	**810**	ND
SV33-15	P	4/28/11	ND	ND	ND	1600	ND	310	ND	**61**	ND	ND	**320**	ND	ND	ND	**480**	ND	**2400**	ND
SV33-15	C	5/9/11	ND	ND	ND	1600	ND	280	ND	**64**	ND	ND	**300**	ND	ND	ND	**530**	ND	**2600**	ND
SV34-05	P	4/28/11	ND	ND	ND	110	ND	ND	ND	**100**	ND	60	**160**	ND	ND	ND	79	ND	**2300**	ND
SV34-05	C	5/10/11	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	**64**	ND	ND	ND	110	ND	**2900**	ND
SV34-15	P	4/28/11	ND	ND	ND	210	ND	32	ND	ND	ND	ND	**140**	ND	ND	ND	**210**	ND	**3600**	ND
SV34-15	C	5/10/11	ND	ND	ND	260	ND	26	ND	ND	ND	ND	**150**	ND	ND	ND	**250**	ND	**3400**	ND
SV35-05	P	4/26/11	ND	ND	ND	43	ND	ND	ND	**81**	ND	ND	47	ND	ND	ND	ND	ND	**3300**	ND
SV35-05	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	44	ND	ND	ND	64	ND	**6200**	ND
SV35-15	P	4/26/11	ND	ND	ND	150	ND	52	ND	ND	ND	ND	**120**	50	ND	ND	98	ND	**17000**	ND
SV35-15	D	4/26/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**16000**	ND
SV35-15	C	5/6/11	ND	ND	ND	160	ND	61	ND	**390**	ND	28	**170**	51	ND	ND	150	ND	**21000**	ND
SV36-05	P	4/26/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**79**	ND	ND	ND	ND	ND	**1800**	ND
SV36-05	C	5/6/11	ND	ND	ND	46	ND	ND	ND	ND	ND	ND	**85**	ND	ND	ND	40	ND	**2400**	ND
SV36-15	P	4/26/11	ND	ND	ND	110	ND	52	ND	ND	ND	ND	**250**	59	ND	ND	86	ND	**3900**	ND
SV36-15	C	5/6/11	ND	ND	ND	110	ND	50	ND	ND	ND	ND	**300**	62	ND	ND	140	ND	**5300**	ND
SV37-05	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	**38**	ND	ND	**160**	ND	ND	ND	ND	ND	360	ND
SV37-05	C	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**140**	ND	ND	ND	ND	ND	410	ND
SV37-15	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND	**850**	ND	ND	ND	63	ND	**910**	ND
SV37-15	C	5/11/11	ND	ND	ND	ND	ND	ND	ND	**130**	ND	ND	**780**	ND	ND	ND	45	ND	**950**	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV38-05	P	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND
SV38-05	C	5/16/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53	ND
SV38-15	P	5/2/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND
SV38-15	C	5/16/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	ND	140	ND
SV39-05	P	5/10/11	ND	ND	ND	360	ND	ND	ND	**56**	ND	ND	**64**	ND	ND	ND	ND	ND	79	ND
SV39-05	C	5/17/11	ND	ND	ND	370	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	62	ND	110	ND
SV39-15	P	5/10/11	ND	ND	ND	670	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	67	ND	160	ND
SV39-15	C	5/17/11	ND	ND	ND	830	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	120	ND	260	ND
SV40-05	P	5/10/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	ND
SV40-05	C	5/18/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	170	ND
SV40-05	CD	5/18/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	ND	39	ND	140	ND
SV40-15	P	5/10/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	ND	**600**	ND
SV40-15	D	5/10/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	ND	ND	ND	ND	ND	ND	430	ND
SV40-15	R	5/18/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.049	ND	ND	ND	18	ND
SV40-15	C	5/18/11	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	ND	**860**	ND
SV41-05	P	5/12/11	ND	ND	ND	190	ND	ND	ND	**110**	ND	ND	**110**	ND	ND	ND	130	ND	**560**	ND
SV41-05	C	5/18/11	ND	ND	ND	370	ND	ND	ND	ND	ND	ND	**68**	ND	ND	20	**600**	ND	**1500**	ND
SV41-15	P	5/12/11	ND	ND	ND	390	ND	ND	ND	ND	ND	ND	**65**	ND	ND	ND	**270**	ND	**1300**	ND
SV41-15	C	5/18/11	ND	ND	ND	730	ND	ND	ND	ND	ND	ND	**160**	ND	ND	ND	**1300**	ND	**3800**	ND
SV42-05	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**64**	ND	ND	ND	ND	ND	120	ND
SV42-05	C	5/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**91**	ND	ND	ND	42	ND	200	ND
SV42-15	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND	ND	ND	ND	290	ND
SV42-15	C	5/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**85**	ND	ND	ND	ND	ND	240	ND
SV42-15	CD	5/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	**82**	ND	ND	ND	ND	ND	190	ND
SV43-05	P	4/29/11	ND	ND	ND	52	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	130	ND	**1000**	ND
SV43-05	C	5/11/11	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	**230**	ND	**1400**	ND
SV43-15	P	4/29/11	ND	ND	ND	130	ND	120	ND	ND	ND	ND	**64**	170	ND	ND	**360**	ND	**3500**	ND
SV43-15	C	5/11/11	ND	ND	ND	130	ND	130	ND	ND	ND	ND	**74**	200	ND	ND	**510**	ND	**3900**	ND
SV44-05	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	48	ND	ND	130	ND	**770**	ND
SV44-05	D	4/29/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	26	ND	ND	ND	90	ND	**690**	ND
SV44-05	C	5/12/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	51	ND	ND	**200**	ND	**1000**	ND
SV44-15	P	4/29/11	ND	ND	ND	73	ND	23	ND	ND	ND	ND	**59**	330	ND	ND	**230**	ND	**2000**	ND
SV44-15	C	5/12/11	ND	ND	ND	72	ND	ND	ND	ND	ND	ND	**63**	340	ND	ND	**360**	ND	**2500**	ND
SV44-15	CD	5/12/11	ND	ND	ND	51	ND	21	ND	ND	ND	42	**59**	320	ND	ND	**270**	ND	**1900**	ND
SV45-05	P	4/29/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	46	ND	130	ND
SV45-05	C	5/6/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93	ND	220	ND
SV45-15	P	4/29/11	ND	ND	ND	48	ND	43	ND	ND	ND	ND	27	76	ND	ND	150	ND	510	ND
SV45-15	C	5/6/11	ND	ND	ND	54	ND	37	ND	ND	ND	27	30	88	ND	ND	**270**	ND	**700**	ND
SV46-05	P	5/16/11	ND	ND	ND	ND	ND	ND	ND	**140**	ND	ND	**740**	ND	ND	ND	ND	ND	38	ND
SV46-05	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	**170**	ND	ND	**720**	ND	ND	ND	ND	ND	ND	ND
SV46-15	P	5/16/11	ND	ND	ND	ND	ND	ND	ND	**130**	ND	26	**1300**	ND	ND	ND	53	ND	330	ND
SV46-15	D	5/16/11	ND	ND	ND	ND	ND	ND	ND	**120**	ND	39	**1200**	ND	ND	ND	ND	ND	210	ND
SV46-15	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	**130**	ND	ND	**1300**	ND	ND	ND	52	ND	260	ND
SV47-05	P	5/12/11	ND	ND	ND	43	ND	25	ND	ND	ND	ND	**63**	ND	ND	ND	45	ND	**1800**	ND
SV47-05	C	5/19/11	ND	ND	ND	43	ND	21	ND	ND	ND	ND	**58**	ND	ND	ND	73	ND	**2300**	ND
SV47-15	P	5/12/11	ND	ND	ND	150	ND	69	ND	**73**	ND	ND	**160**	60	ND	ND	140	ND	**3500**	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV47-15	C	5/19/11	ND	ND	ND	150	ND	69	ND	ND	ND	30	**140**	51	ND	ND	110	ND	**5400**	ND
SV48-05	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**68**	ND	ND	ND	ND	ND	120	ND
SV48-05	C	5/16/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**54**	ND	ND	ND	ND	ND	140	ND
SV48-15	P	5/13/11	ND	ND	ND	70	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	**680**	ND
SV48-15	C	5/16/11	ND	ND	ND	54	ND	ND	ND	ND	ND	ND	**53**	ND	ND	ND	ND	ND	**630**	ND
SV49-05	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**250**	ND	ND	ND	ND	ND	290	ND
SV49-05	C	5/16/11	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	**190**	ND	ND	ND	ND	ND	310	ND
SV49-15	P	5/13/11	ND	ND	ND	97	ND	30	ND	ND	ND	ND	**160**	ND	ND	ND	62	ND	**1200**	ND
SV49-15	D	5/13/11	ND	ND	ND	120	ND	30	ND	ND	ND	ND	**140**	ND	ND	ND	48	ND	**870**	ND
SV49-15	R	5/16/11	ND	ND	ND	74	ND	ND	ND	ND	ND	ND	**110**	ND	0.3	ND	62	ND	**970**	ND
SV49-15	C	5/16/11	ND	ND	ND	96	ND	33	ND	ND	ND	ND	**160**	ND	ND	ND	63	ND	**1200**	ND
SV50-05	P	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	30	ND
SV50-05	C	5/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND
SV50-15	P	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**92**	ND	ND	ND	60	ND	130	ND
SV50-15	C	5/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**120**	ND	ND	ND	60	ND	130	ND
SV51-05	P	5/12/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND	ND	ND	ND	89	ND
SV51-05	C	5/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**48**	ND	ND	ND	ND	ND	110	ND
SV51-15	P	5/12/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**190**	ND	ND	ND	55	ND	**550**	ND
SV51-15	R	5/19/11	ND	ND	ND	11	ND	4.4	ND	4.8	ND	ND	**78**	ND	0.64	0.002	24	ND	230	ND
SV51-15	C	5/19/11	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	**220**	ND	ND	ND	73	ND	**600**	ND
SV52-05	P	5/18/11	ND	ND	ND	ND	ND	ND	ND	**87**	ND	ND	**200**	ND	ND	ND	ND	ND	**770**	ND
SV52-05	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	**48**	ND	28	**230**	ND	ND	ND	35	ND	**1100**	ND
SV52-15	P	5/18/11	ND	ND	ND	71	ND	ND	ND	**46**	ND	ND	**440**	ND	ND	ND	50	ND	**1700**	ND
SV52-15	C	5/23/11	ND	ND	ND	73	ND	ND	ND	**110**	ND	90	**650**	ND	ND	20	46	ND	**2500**	ND
SV53-05	P	5/18/11	ND	ND	ND	ND	ND	ND	ND	**130**	ND	ND	**210**	ND	ND	ND	46	ND	**1500**	ND
SV53-05	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	**40**	ND	ND	**160**	ND	ND	ND	79	ND	**1700**	ND
SV53-15	P	5/18/11	ND	ND	ND	50	ND	ND	ND	ND	ND	ND	**230**	ND	ND	ND	35	ND	**1900**	ND
SV53-15	C	5/23/11	ND	ND	ND	59	ND	ND	ND	**59**	ND	ND	**280**	ND	ND	ND	77	ND	**2900**	ND
SV53-15	CD	5/23/11	ND	ND	ND	45	ND	ND	ND	**55**	ND	70	**270**	ND	ND	ND	52	ND	**2200**	ND
SV54-05	P	5/12/11	ND	ND	ND	210	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	ND	ND	**5300**	ND
SV54-05	C	5/19/11	ND	ND	ND	290	ND	ND	ND	ND	ND	27	**150**	ND	ND	ND	140	ND	**16000**	ND
SV54-15	P	5/12/11	ND	ND	ND	340	ND	ND	ND	ND	ND	ND	**90**	ND	ND	ND	ND	ND	**5500**	ND
SV54-15	C	5/19/11	ND	ND	ND	380	ND	ND	ND	ND	ND	60	**190**	ND	ND	ND	170	ND	**25000**	ND
SV55-05	P	5/19/11	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	**870**	ND	ND	ND	36	ND	340	ND
SV55-05	D	5/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	**760**	ND	ND	ND	ND	ND	270	ND
SV55-05	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**710**	ND	ND	ND	40	ND	280	ND
SV55-15	P	5/19/11	ND	ND	ND	42	ND	ND	ND	**37**	ND	30	**890**	ND	ND	18	ND	ND	**550**	ND
SV55-15	C	5/23/11	ND	ND	ND	ND	ND	ND	ND	**65**	ND	ND	**860**	ND	ND	ND	46	ND	**590**	ND
SV56-05	P	5/16/11	ND	ND	ND	110	ND	110	ND	ND	ND	ND	**510**	ND	ND	ND	**190**	ND	**3800**	ND
SV56-05	C	5/20/11	ND	ND	ND	130	ND	120	ND	ND	ND	34	**560**	41	ND	ND	**220**	ND	**4500**	ND
SV56-15	P	5/16/11	ND	ND	ND	220	ND	230	ND	ND	ND	ND	**850**	100	ND	ND	**350**	ND	**5500**	ND
SV56-15	C	5/20/11	ND	ND	ND	220	ND	240	ND	ND	ND	ND	**840**	100	ND	ND	**400**	ND	**7100**	ND
SV57-05	P	5/16/11	ND	ND	ND	100	ND	ND	ND	ND	ND	ND	**180**	ND	ND	ND	83	ND	**3800**	ND
SV57-05	C	5/20/11	ND	ND	ND	83	ND	20	ND	ND	ND	ND	**140**	ND	ND	ND	91	ND	**5100**	ND
SV57-15	P	5/13/11	ND	ND	ND	150	ND	56	ND	ND	ND	ND	**230**	ND	ND	ND	64	ND	**3400**	ND
SV57-15	C	5/20/11	ND	ND	ND	110	ND	50	ND	ND	ND	ND	**270**	ND	ND	ND	140	ND	**5900**	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV58-05	P	5/13/11	ND	ND	ND	110	ND	21	ND	**210**	ND	ND	**410**	ND	ND	ND	ND	ND	**2900**	ND
SV58-05	C	5/20/11	ND	ND	ND	170	ND	25	ND	ND	ND	ND	**1100**	ND	ND	ND	160	ND	**16000**	14
SV58-15	P	5/13/11	ND	ND	ND	180	ND	64	ND	ND	ND	ND	**320**	ND	ND	ND	ND	ND	**4900**	ND
SV58-15	C	5/20/11	ND	ND	ND	290	ND	68	ND	ND	ND	ND	**670**	96	ND	ND	**220**	ND	**21000**	ND
SV59-05	P	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV59-05	C	5/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	38	ND	ND	ND
SV59-15	P	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**61**	ND	ND	ND	54	ND	36	ND
SV59-15	C	5/17/11	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	**84**	ND	ND	ND	68	ND	77	ND
SV59-15	CD	5/17/11	ND	ND	ND	65	ND	ND	ND	ND	ND	45	**78**	ND	ND	ND	39	ND	56	ND
SV60-05	P	6/16/11	ND	ND	ND	16	ND	ND	ND	**34**	ND	3.4	**120**	ND	ND	ND	8.8	ND	65	ND
SV60-05	C	6/28/11	ND	ND	ND	15	ND	ND	ND	ND	ND	16	**96**	ND	ND	ND	7.5	ND	68	ND
SV60-15	P	6/16/11	ND	ND	ND	22	ND	ND	ND	6.7	ND	ND	**110**	ND	0.24	ND	12	ND	150	ND
SV60-15	C	6/28/11	ND	ND	ND	33	ND	ND	ND	ND	ND	12	**150**	ND	ND	ND	10	ND	190	ND
SV61-05	P	5/18/11	ND	ND	ND	420	ND	ND	ND	ND	ND	ND	**71**	ND	ND	ND	110	ND	**690**	ND
SV61-05	C	5/23/11	ND	ND	ND	490	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	**290**	ND	**1100**	ND
SV61-15	P	5/18/11	ND	ND	ND	630	ND	61	ND	ND	ND	ND	37	ND	ND	ND	130	ND	**1200**	ND
SV61-15	C	5/23/11	ND	ND	ND	870	ND	68	ND	ND	ND	30	**83**	ND	ND	ND	**340**	ND	**2200**	ND
SV62-05	P	5/11/11	ND	ND	ND	110	ND	26	ND	ND	ND	ND	**73**	ND	ND	ND	ND	ND	200	ND
SV62-05	C	5/18/11	ND	ND	ND	110	ND	25	ND	ND	ND	ND	**72**	ND	ND	ND	50	ND	240	ND
SV62-15	P	5/11/11	ND	ND	ND	300	ND	65	ND	ND	ND	ND	**110**	ND	ND	ND	90	ND	480	ND
SV62-15	D	5/11/11	ND	ND	ND	320	ND	78	ND	ND	ND	25	**110**	ND	ND	ND	50	ND	330	ND
SV62-15	C	5/17/11	ND	ND	ND	320	ND	96	ND	ND	ND	ND	**130**	ND	ND	ND	78	ND	**520**	ND
SV63-05	P	5/11/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	85	ND
SV63-05	C	5/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	63	ND	140	ND
SV63-15	P	5/11/11	ND	ND	ND	73	ND	20	ND	ND	ND	ND	26	ND	ND	ND	54	ND	180	ND
SV63-15	C	5/17/11	ND	ND	ND	79	ND	34	ND	ND	ND	ND	**59**	ND	ND	ND	160	ND	410	ND
SV64-05	P	6/15/11	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	5.9	ND	0.037	ND	ND	ND	18	ND
SV64-05	C	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.2	ND	ND	ND	ND	ND	ND	ND	ND
SV64-15	P	6/15/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	0.034	ND	5.5	ND	8.1	ND
SV64-15	C	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	7.8	ND	ND	ND
SV64-15	S	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SV65-05	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	**75**	ND	ND	ND	ND	ND	46	ND
SV65-05	C	5/20/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	74	ND
SV65-15	P	5/13/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	82	ND
SV65-15	C	5/19/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**71**	ND	ND	ND	50	ND	470	ND
SV66-05	P	5/18/11	ND	ND	ND	ND	ND	ND	ND	**63**	ND	ND	**70**	ND	ND	ND	ND	ND	170	ND
SV66-05	C	5/23/11	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	50	ND	230	ND
SV66-15	P	5/18/11	ND	ND	ND	78	ND	60	ND	ND	ND	ND	**53**	ND	ND	ND	70	ND	490	ND
SV66-15	C	5/23/11	ND	ND	ND	86	ND	44	ND	ND	ND	ND	**65**	ND	ND	ND	100	ND	**630**	ND
SV67-05	P	6/15/11	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	32	ND	0.059	ND	6.3	ND	ND	ND
SV67-05	C	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	19	ND	ND	ND	ND	ND	ND	ND
SV67-15	P	6/15/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3	ND	0.22	ND	5.4	ND	ND	ND
SV67-15	D	6/15/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	0.042	ND	7.5	ND	16	ND
SV67-15	C	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	12	ND	ND	ND	ND	ND	ND	ND
SV67-15	S	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND
SV69-05	P	6/14/11	ND	ND	ND	ND	ND	ND	ND	**66**	ND	ND	**98**	ND	0.086	ND	3.6	ND	ND	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV69-05	C	6/15/11	ND	ND	ND	ND	ND	ND	ND	**40**	ND	ND	**88**	ND	0.069	ND	3.9	ND	2.9	ND
SV69-15	P	6/14/11	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	**210**	ND	0.054	ND	8.1	ND	3.1	ND
SV69-15	C	6/15/11	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	**210**	ND	ND	ND	8.1	ND	3.2	ND
SV71-05	P	6/15/11	ND	ND	ND	18	ND	ND	ND	14	ND	ND	44	ND	0.11	ND	12	ND	**1000**	ND
SV71-05	C	6/28/11	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	**1500**	ND
SV71-05	C	8/1/11	ND	ND	ND	23	ND	ND	ND	17	ND	18	28	ND	ND	ND	14	ND	**1600**	ND
SV71-15	P	6/15/11	ND	ND	ND	28	ND	ND	ND	5.3	ND	ND	47	ND	0.034	ND	18	ND	**2000**	ND
SV71-15	C	6/28/11	ND	ND	ND	43	ND	ND	ND	**39**	ND	ND	**53**	ND	ND	ND	ND	ND	**3500**	ND
SV71-15	S	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**	ND	ND	ND	ND	ND	**2500**	ND
SV71-15	C	8/1/11	ND	ND	ND	35	ND	ND	13	**32**	ND	18	**51**	ND	ND	15	24	ND	**3500**	ND
SV72-05	P	6/15/11	ND	ND	ND	220	ND	4.8	ND	**87**	ND	ND	**780**	ND	ND	ND	40	ND	**6500**	ND
SV72-05	C	6/28/11	ND	ND	ND	1200	ND	ND	ND	ND	ND	ND	**3600**	ND	ND	ND	ND	ND	**39000**	ND
SV72-05	C	8/1/11	ND	ND	ND	840	ND	ND	ND	ND	ND	ND	**2900**	ND	ND	ND	ND	ND	**29000**	ND
SV72-15	P	6/15/11	ND	ND	ND	480	ND	32	ND	**43**	ND	ND	**1200**	6	ND	ND	52	ND	**11000**	ND
SV72-15	C	6/28/11	ND	ND	ND	2800	ND	ND	ND	ND	ND	ND	**5900**	ND	ND	ND	ND	ND	**71000**	ND
SV72-15	S	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2700**	ND	ND	800	ND	ND	**24000**	ND
SV72-15	SD	6/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3100**	ND	ND	ND	ND	ND	**24000**	ND
SV72-15	C	8/1/11	ND	ND	ND	1800	ND	ND	ND	**490**	ND	680	**3800**	ND	ND	ND	ND	ND	**43000**	ND
SV72-15	S	8/1/11	ND	ND	ND	1800	ND	40	ND	**100**	ND	ND	**2800**	ND	0.2	40	**200**	ND	**31000**	ND
SV73-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	14	ND	6.9	31	ND	ND	ND	20	ND	ND	ND
SV73-05	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.6	19	ND	ND	ND	18	ND	110	ND
SV73-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**67**	ND	ND	ND	19	ND	ND	ND
SV73-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	**66**	ND	ND	ND	18	ND	ND	ND
SV74-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	13	ND	ND	6	ND	ND	10	ND
SV74-05	C	8/1/11	ND	ND	ND	9.1	ND	ND	ND	ND	ND	12	8.9	ND	ND	ND	ND	ND	17	ND
SV74-15	P	7/28/11	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	45	ND	ND	4.2	ND	ND	89	ND
SV74-15	C	8/1/11	ND	ND	ND	17	ND	ND	ND	ND	ND	12	45	ND	ND	ND	7.2	ND	160	ND
SV75-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	5.2	ND	ND	ND	ND
SV75-05	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	32	ND	ND	ND	ND	ND	ND	ND
SV75-15	D	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**110**	ND	ND	ND	ND	ND	56	ND
SV75-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**98**	ND	ND	ND	ND	ND	55	ND
SV75-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	8.6	ND	9.5	**100**	ND	ND	ND	ND	ND	77	ND
SV76-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND
SV76-05	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8	12	ND	ND	ND	ND	ND	23	ND
SV76-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**52**	ND	ND	ND	7	ND	ND	ND
SV76-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2	**54**	ND	ND	ND	7.9	ND	ND	ND
SV77-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	**32**	ND	12	**120**	ND	ND	4.3	11	ND	ND	ND
SV77-05	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	13	ND	10	**75**	ND	ND	ND	7.2	ND	ND	ND
SV77-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	**300**	ND	ND	ND	14	ND	ND	ND
SV77-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	26	ND	6.3	**290**	ND	ND	ND	10	ND	6	ND
SV77-15	S	8/1/11	ND	ND	ND	ND	ND	ND	ND	**30**	ND	ND	**300**	ND	0.09	ND	ND	ND	ND	ND
SV78-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	17	ND	8.4	**48**	ND	ND	ND	ND	ND	ND	ND
SV78-05	C	8/1/11	ND	ND	ND	ND	ND	ND	8.6	7.7	ND	8.6	43	ND	ND	ND	ND	ND	39	ND
SV78-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	15	ND	6.3	**120**	ND	ND	ND	ND	ND	ND	ND
SV78-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	18	ND	6.9	**130**	ND	ND	ND	6.9	ND	ND	ND
SV79-05	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.6	16	ND	ND	ND	ND	ND	ND	ND

All units in ug/m^3 unless otherwise noted.

Table 3
Soil Gas Sampling Results

	Sample Type	Sample Date	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	Bromo-dichloro-methane	Carbon tetra chloride	Chloro-benzene	Chloro-form	cis-1,2-Dichloro-ethene	Isopropyl alcohol (ug/L)	Methylene Chloride	Tetrachloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Vinyl Chloride
Site ID/ **SGHHSL**			**2,300,000**	**18**	**65**	**13,000,000**	**650**	**91,000**	**41**	**29**	**180**	**23,000**	**48**	**27,000**	**10**	**2,300**	**180**	**27,000**	**520**	**70**
SV79-05	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	15	ND	ND	ND	ND	ND	74	ND
SV79-15	P	7/28/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	28	ND	ND	ND	ND	ND	ND	ND
SV79-15	C	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.5	28	ND	ND	ND	ND	ND	ND	ND
SV79-15	CD	8/1/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3	30	ND	ND	ND	ND	ND	ND	ND
SV75-05 AmbientAir	AMB	6/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
SV75-15 AmbientAir	AMB	6/17/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND

Notes:
P = Primary Sample
D = Duplicate Sample
C = Confirmation Sample
CD = Confirmation Duplicate Sample
R = Replicate Sample
S = Split Sample Collected and Analyzed by EPA
AMB = Ambient Air
SD = Split Duplicate Sample Analyzed by EPA
NA = Not Analyzed
ND = Not Detected
ug/L= micrograms per liter
SGHHSL = Soil Gas Human Health Screening Level
Bolded values and shaded cells exceed residential SGHHSLs

All units in ug/m^3 unless otherwise noted.

FIGURES

This page intentionally left blank for duplex printing

Air Photo Base from Google Earth

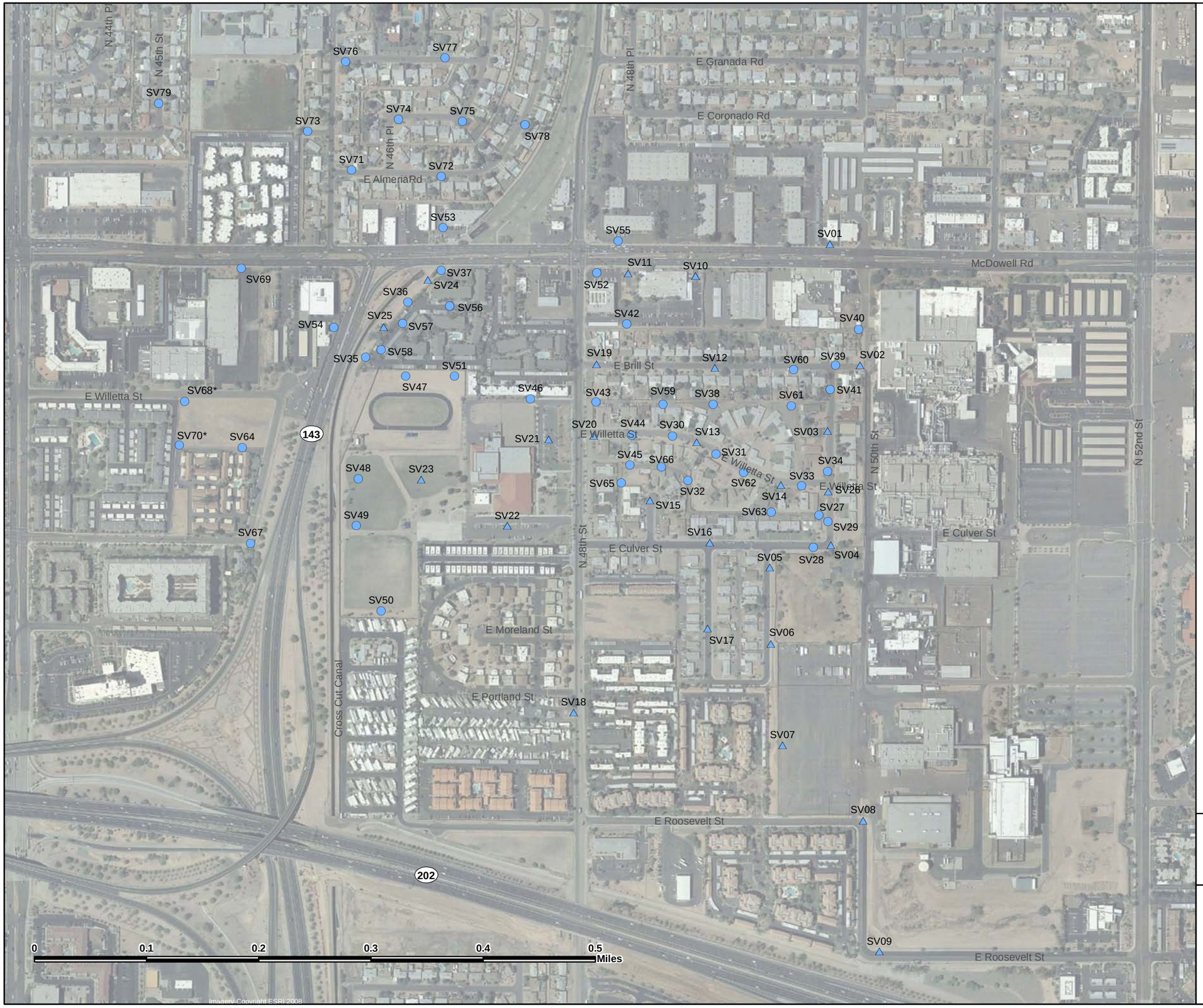
Approximate Scale

0 1,000 ft

N

Figure 1
Study Area Location

CLEAR CREEK ASSOCIATES



SV40 Site ID

Primary Sample Locations

Step-out Sample Locations

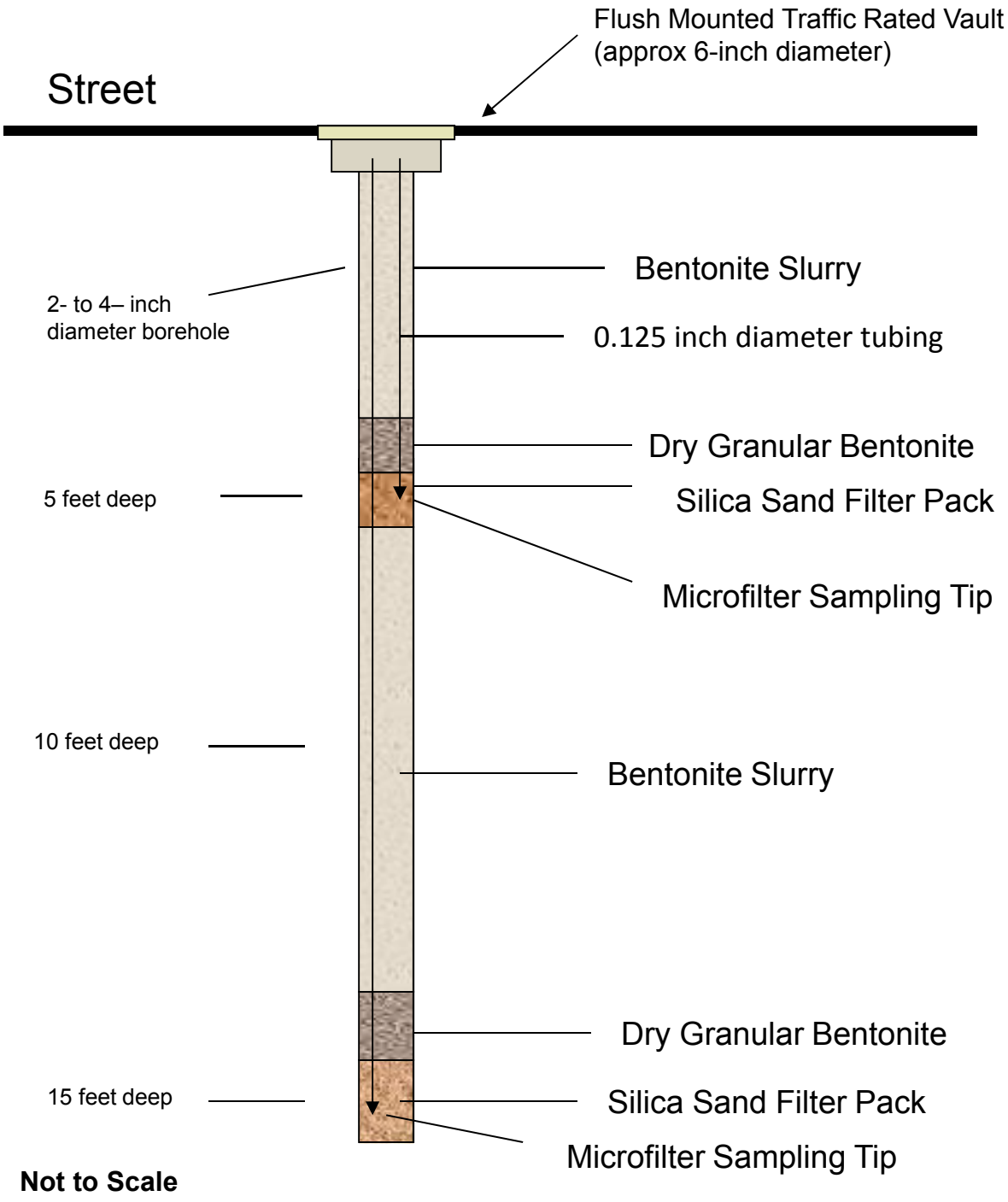
Note:

* Locations SV68 and SV70 were not sampled

CLEAR CREEK ASSOCIATES

Figure 2

OU1 Soil Gas Sample Locations

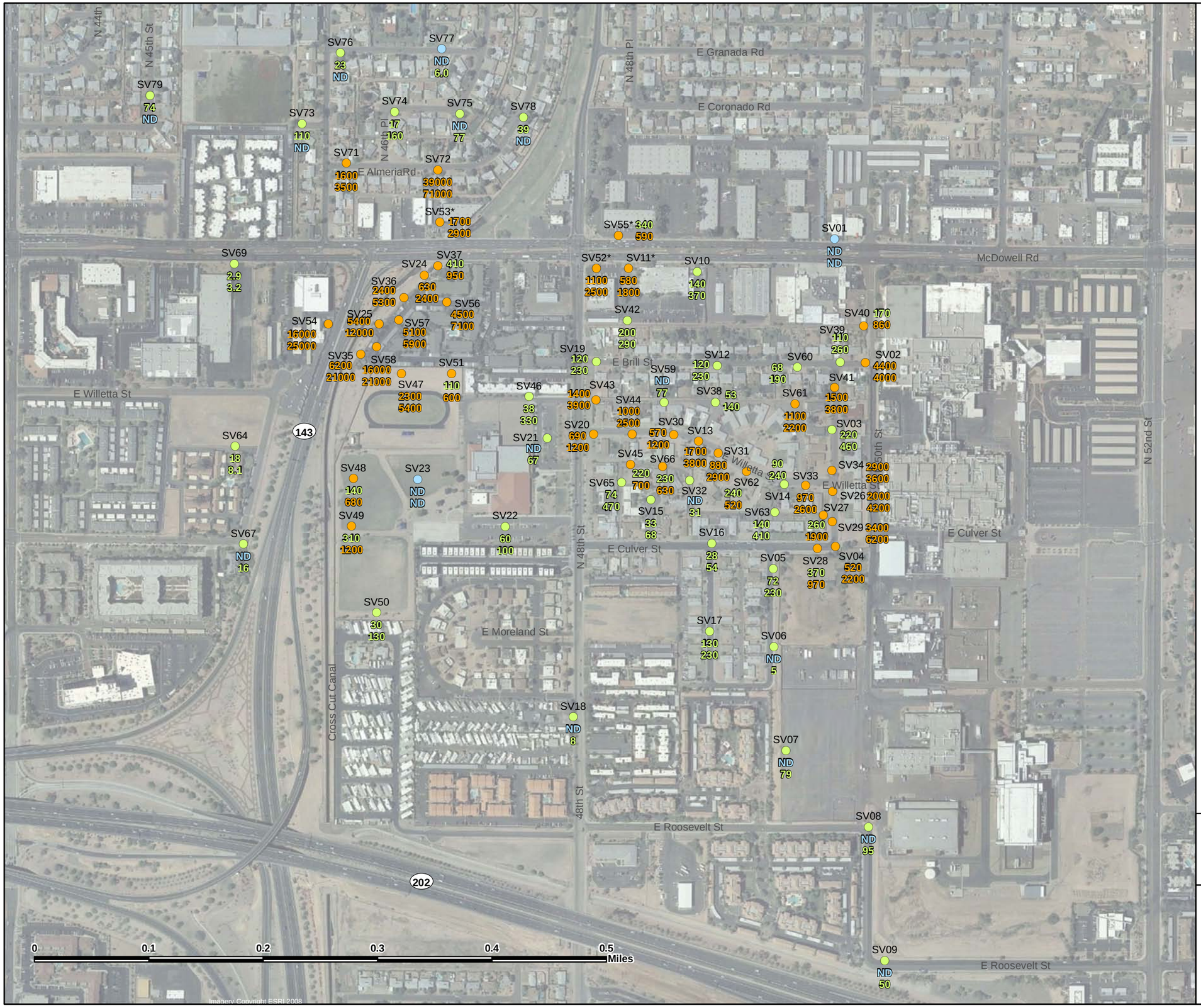


Not to Scale

CLEAR CREEK ASSOCIATES

Figure 3

Soil Gas Sampling Implant Design



Color Designation Based on Maximum Detection for Each Location Posted

- TCE Not Detected
- TCE Detected Below Residential SGHHSL
- TCE Detected at or Above Residential SGHHSL

SV05 Site ID
Sample Location
72 TCE Concentration ($\mu g/m^3$) at 5 feet below ground surface
230 TCE Concentration ($\mu g/m^3$) at 15 feet below ground surface

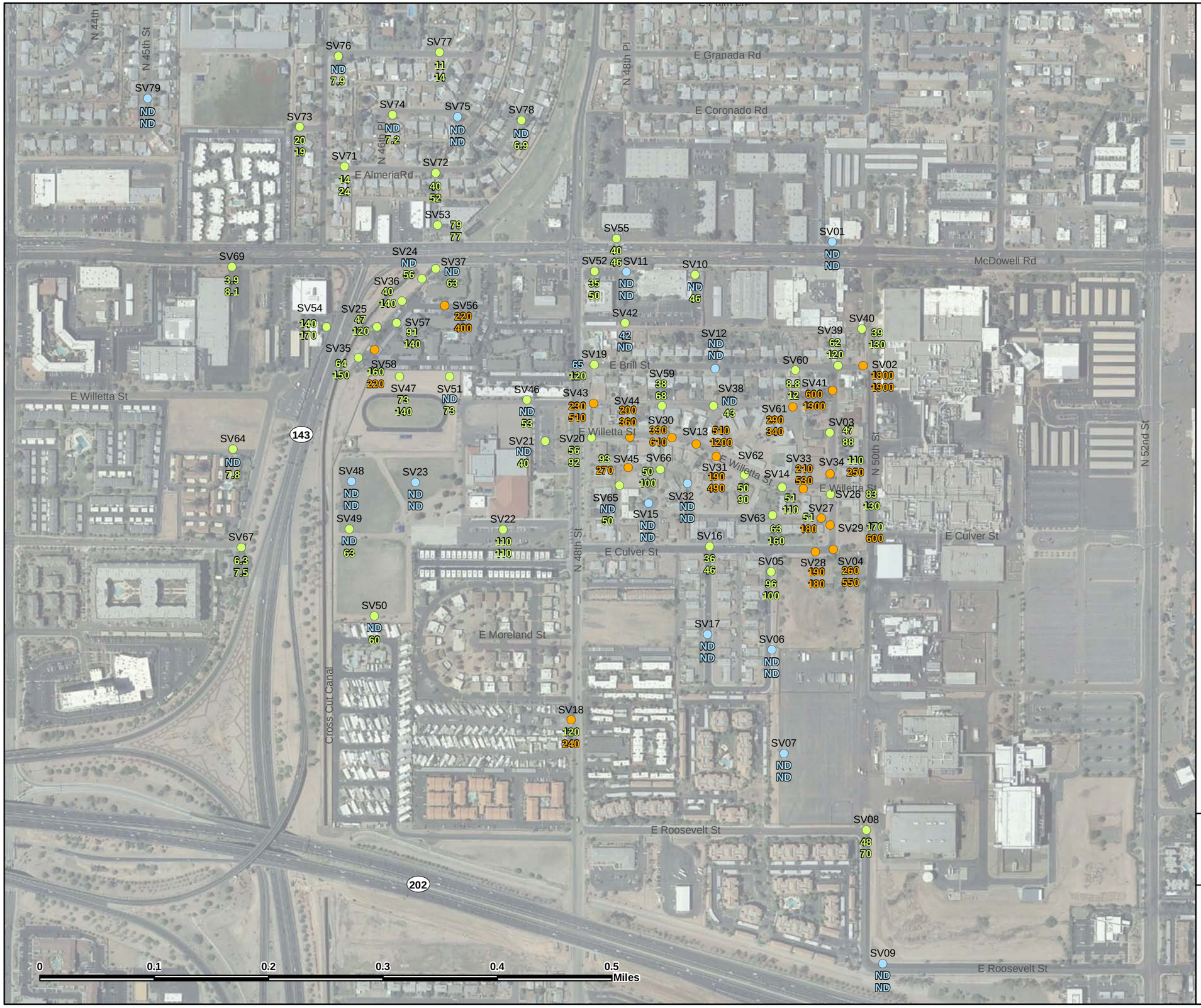
Notes:

1) Sample location symbol color is determind by highest analytical result reported in sample from either 5 feet or 15 feet below ground surface
2) Validated results shown with numeric value and color coded number
3) TCE = Trichloroethene
4) ND = Not Detected
5) $\mu g/m^3$ = micrograms per cubic meter
6) SGHHSL = Soil Gas Human Health Screening Level
7) Residential TCE SGHHSL = 520 $\mu g/m^3$
   Commercial TCE SGHHSL = 5,100 $\mu g/m^3$
8) * Sample location in commercial area, exceeds residential SGHHSL but below commercial SGHHSL

CLEAR CREEK ASSOCIATES

Figure 4

OU1 TCE Soil Gas Results ($\mu g/m^3$)
5 Feet and 15 Feet
Below Ground Surface



Color Designation Based on Maximum Detection for Each Location Posted

- PCE Not Detected
- PCE Detected Below Residential SGHHSL
- PCE Detected at or Above Residential SGHHSL

SV05 Site ID
Sample Location
96 PCE Concentration ($\mu g/m^3$) at 5 feet below ground surface
100 PCE Concentration ($\mu g/m^3$) at 15 feet below ground surface

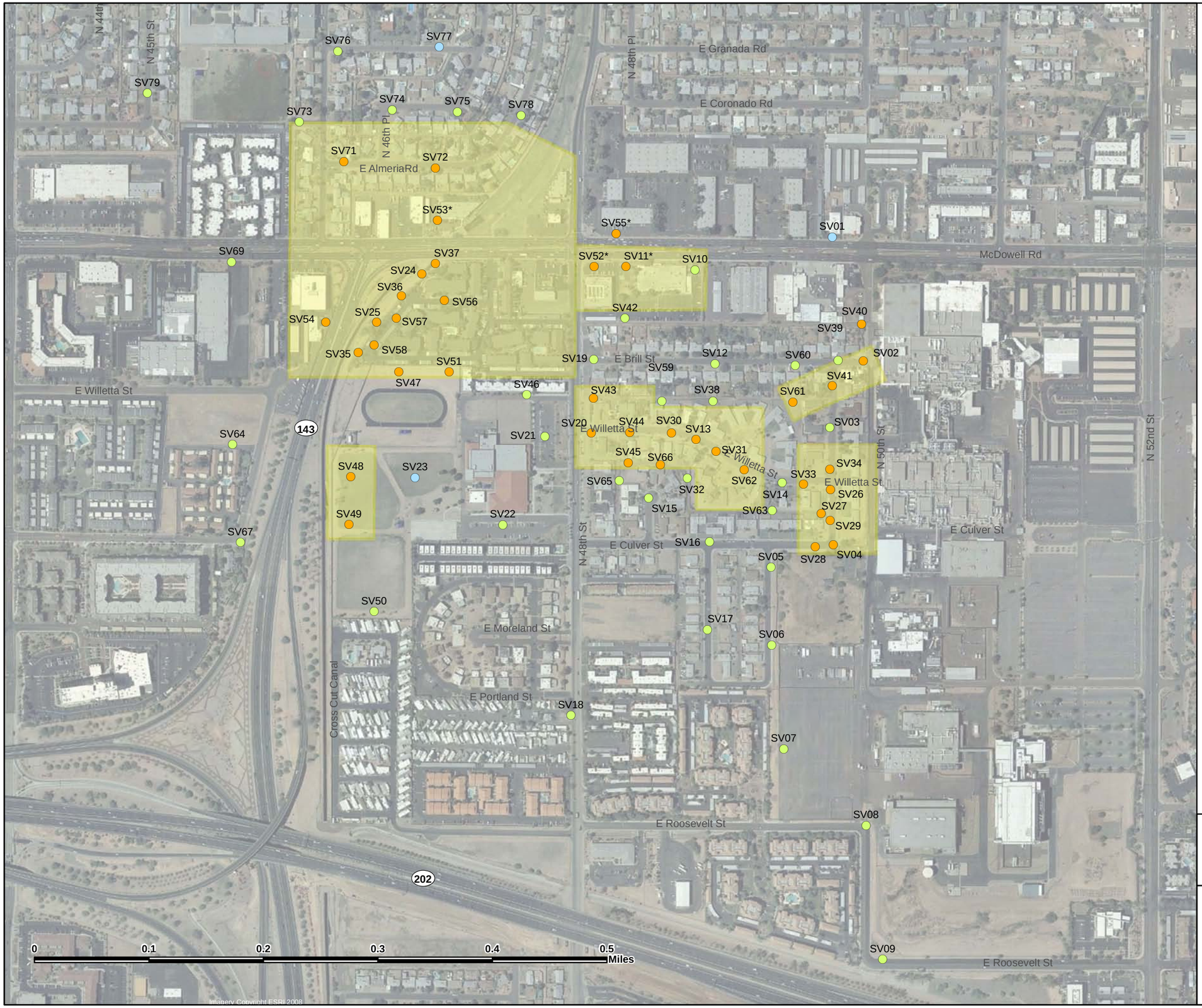
Notes:

1) Sample location symbol color is determind by highest analytical result reported in sample from either 5 feet or 15 feet below ground surface
2) Validated results shown with numeric value and color coded number
3) PCE = Tetrachloroethene
4) ND = Not Detected
5) $\mu g/m^3$ = micrograms per cubic meter
6) Residential PCE SGHHSL = 180 $\mu g/m^3$, Commercial PCE SGHHSL = 1800 $\mu g/m^3$
7) SGHHSL = Soil Gas Human Health Screening Level

CLEAR CREEK ASSOCIATES

Figure 5

OU1 PCE Soil Gas Results ($\mu g/m^3$)
5 Feet and 15 Feet
Below Ground Surface



Color Designation Based on Maximum Detection for Each Location Posted

SV40 Site ID
Sample Location

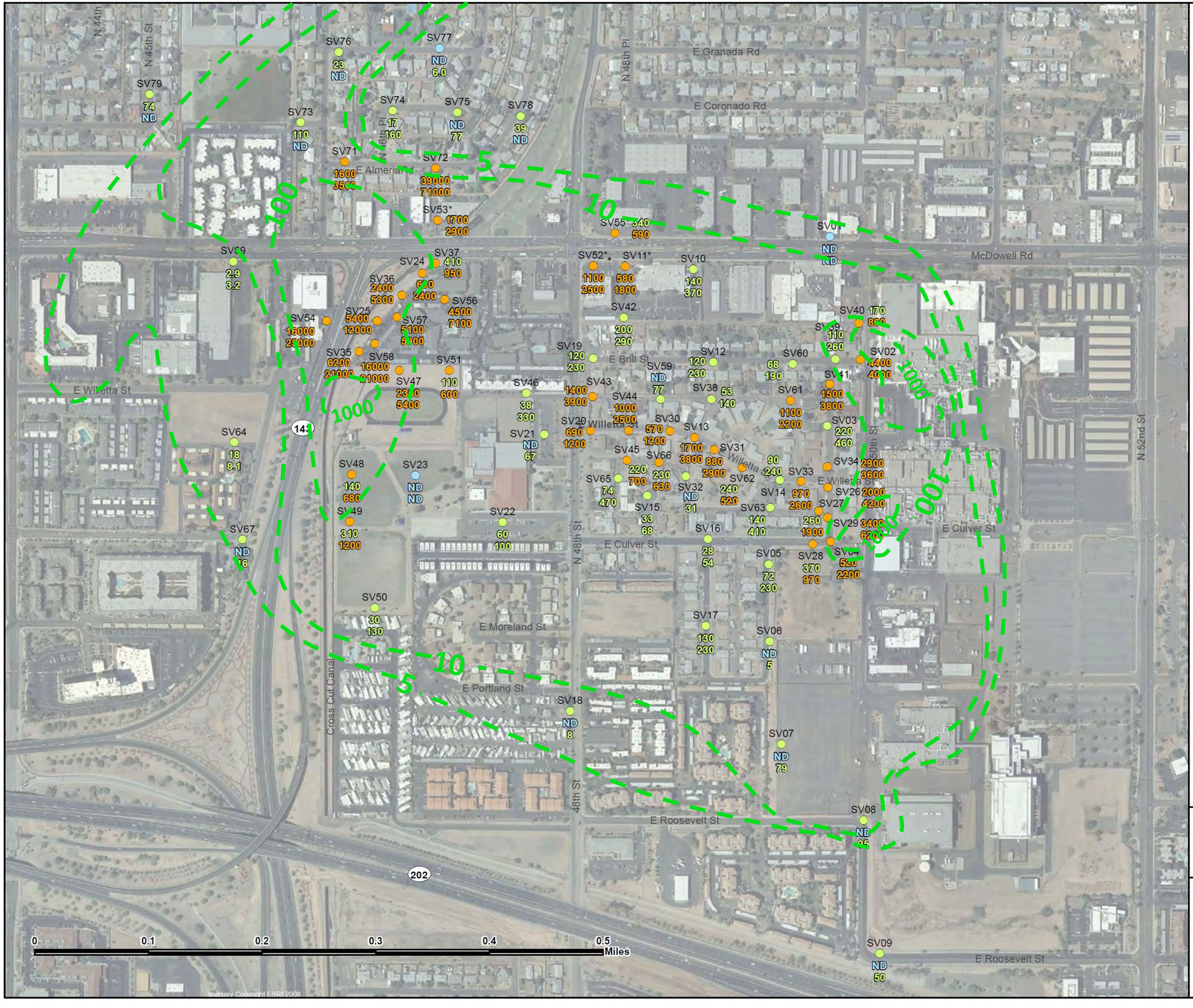
TCE Not Detected
TCE Detected Below Residential SGHHSL
TCE Detected at or Above Residential SGHHSL

Area identified for Indoor Air Investigation

CLEAR CREEK ASSOCIATES

Figure 6

Areas Identified for Indoor Air Investigation



Color Designation Based on Maximum Detection for Each Location Posted

- TCE Not Detected
- TCE Detected Below Residential SGHHSL
- TCE Detected at or Above Residential SGHHSL

SV05 Site ID
Sample Location
72 TCE Concentration ($\mu g/m^3$) at 5 feet below ground surface
230 TCE Concentration ($\mu g/m^3$) at 15 feet below ground surface

Notes:

1) Sample location symbol color is determind by highest analytical result reported in sample from either 5 feet or 15 feet below ground surface
2) Validated results shown with numeric value and color coded number
3) TCE = Trichloroethene
4) ND = Not Detected
5) $\mu g/m^3$ = micrograms per cubic meter
6) SGHHSL = Soil Gas Human Health Screening Level
7) Residential TCE SGHHSL = 520 $\mu g/m^3$, Commercial TCE SGHHSL = 5100 $\mu g/m^3$
8) * Sample location in commercial area, exceeds residential SGHHSL but below commercial SGHHSL

5 TCE Groundwater Concentration Contour (ug/L). Data from September 2010 and March 2011.

CLEAR CREEK ASSOCIATES

Figure 7

OU1 TCE Soil Gas Results ($\mu g/m^3$) and Groundwater Concentration Contours ($\mu g/L$)

Color Designation Based on Maximum Detection for Each Location Posted

- PCE Not Detected
- PCE Detected Below Residential SGHHSL
- PCE Detected at or Above Residential SGHHSL

SV05 Site ID
Sample Location
86 PCE Concentration ($\mu g/m^3$) at 5 feet below ground surface
100 PCE Concentration ($\mu g/m^3$) at 15 feet below ground surface

Notes:
1) Sample location symbol color is determind by highest analytical result reported in sample from either 5 feet or 15 feet below ground surface
2) Validated results shown with numeric value and color coded number
3) Preliminary unvalidated results shown color coded symbol only
4) PCE = Tetrachloroethene
5) ND = Not Detected
6) $\mu g/m^3$ = micrograms per cubic meter
7) Residential PCE SGHHSL = 180 $\mu g/m^3$, Commercial PCE SGHHSL = 1800 $\mu g/m^3$
8) SGHHSL = Soil Gas Human Health Screening Level

PCE Groundwater Concentration Contour (ug/L). Data from September 2010 and March 2011.

CLEAR CREEK ASSOCIATES

Figure 8

OU1 PCE Soil Gas Results ($\mu g/m^3$) and Groundwater Concentration Contours ($\mu g/L$)

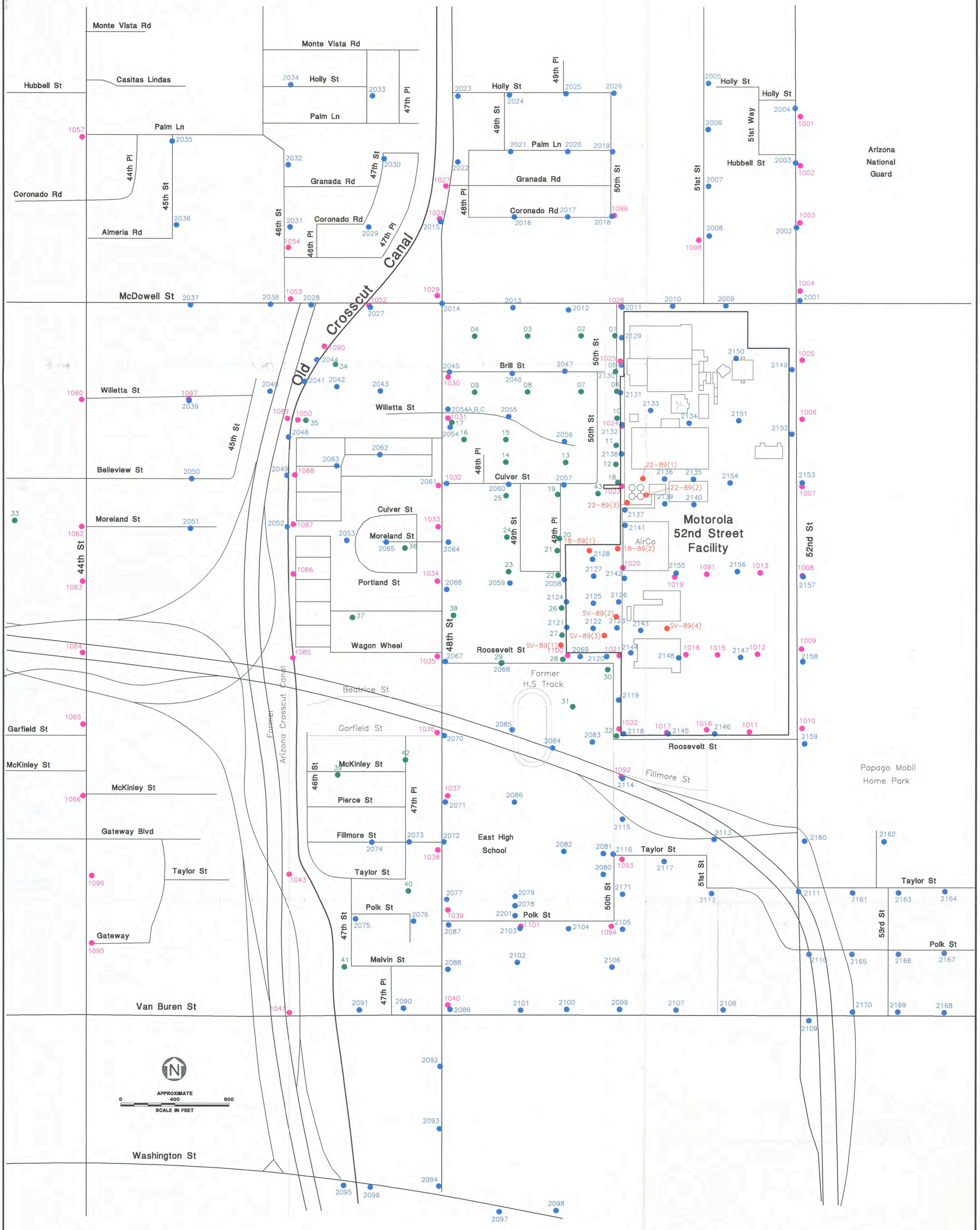
ATTACHMENTS

This page intentionally left blank for duplex printing

Attachment 1

Compilation of Sampling Locations for the 1984, 1985, 1989, and 1992 Soil Gas Investigations

This page intentionally left blank for duplex printing



Legend:

- 1092 — 1984 Soil-Gas Location
- 2093 — 1985 Soil-Gas Location
- SV-89(2) — 1989 Soil-Gas Location
- 40 — 1992 Soil-Gas Location

Notes:

1. *Locations are approximate. See original studies for more accurate locations if necessary.*
2. *Only TCA, TCE, and PCE are shown. See original tabulated data for other VOCs.*

A03282-12-22-94

Soil-Gas Sample Locations

Motorola 52nd Street

January 1995

Figure 1A

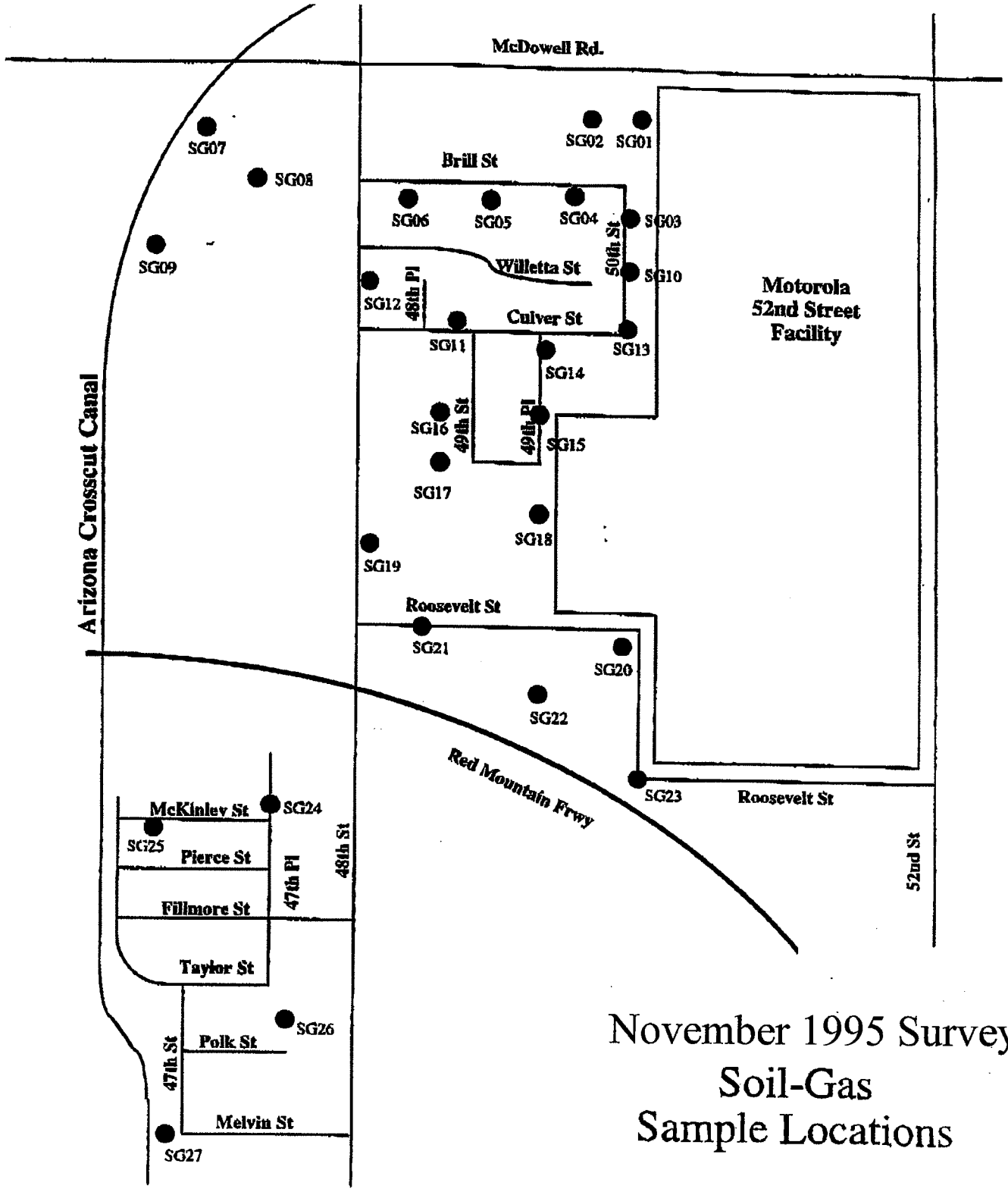
DAMES & MOORE

09448-140-033

Attachment 2

Sampling Locations for the 1995 Soil Gas Investigation

This page intentionally left blank for duplex printing



November 1995 Survey
Soil-Gas
Sample Locations

Figure 1

APPENDICES

This page intentionally left blank for duplex printing

Appendix A

Permits and Examples of Private Access Agreement

This page intentionally left blank for duplex printing

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000868** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#1-OU1 SOILGAS TEST: MW# SV02,12,19

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #2

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

Valuation: $1,500

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000873** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#2-OU1 SOILGAS TEST MW#SV03,13,14,20

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #3.

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

Valuation: $2,000

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000876** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#3-OU1 SOILGAS TEST MW#SV04,15,16,26

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #4. (NOTE: SV14 SHOWN ON THIS PLAN ALSO.)

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103.

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

Valuation: $2,000

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000877** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#4-OU1 SOILGAS TEST MW#SV05,06,17

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #5. (NOTE: SV16 SHOWN ON THIS SHEET ALSO.)

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

Valuation: $1,500

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000878** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#5-OU1 SOILGAS TEST MW# SV18

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #6.

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

Valuation: $500

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Services Dept

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11000879** ***Bond #*** 12685 ***Issued*** 14-JAN-2011 ***Expires*** 13-JAN-2013

Permit Description PMT#6-OU1 SOILGAS TEST MW#SV08,09

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-0F-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #7.

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL.

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*ADDITIONAL WELLS TO BE CHARGED IN FIELD AT DISCRETION OF CITY OF PHOENIX INSPECTOR/SUPERVISOR. FEES TO BE ASSESSED AT $150.00/HR (2 HOUR MINIMUM).

Valuation: $1,000

Owner Information
Name CLEAR CREEK ASSOCIATES P L C Email Fax
Address 6155 E INDIAN SCHOOL RD # 200 SCOTTSDALE AZ 852 Phone 480-659-7131

Certificate of Occupancy Type: **COFC**

Contractor Information
Name BOART LONGYEAR CO. Type Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH Ins ACE AMERICAN HDOG255201420 Exp 01-AUG-11
City/St/Zip SALT LAKE CITY UT 84127 Phone 623-486-1881

Instructions and Comments

Permit Issued By MHAE Entered By MHAE

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

City of Phoenix
Planning And Development Department

RIGHT-OF-WAY PERMIT

To find out about Phoenix construction code adoption news and to research your permits or projects, please visit http://www.phoenix.gov/DEVSERV

200 West Washington Street
Phoenix, Arizona 85003
General Information 602-262-7811

STATUS: OPEN
POST THIS PERMIT ON JOB SITE
Before you start to dig, call Blue Stake 602-263-1100

Permit # **CMW 11009833** ***Bond #*** 12897 ***Issued*** 27-MAY-2011 ***Expires*** 26-MAY-2013

Permit Description MONITOR WELLS #SV71,72 ALAMERA - P "8"

Project ***10-3405*** TEMPORARY TEST WELLS IN ROW

Address 302 N 5200 E 1601 N 4800 E Q-S: Q11-39 ZONING: R-4 ***Zoning***

Description/Scope of Work: MONITORING WELL

DESCRIPTION OF WORK: SOIL-GAS TEST WELLS INSTALLED IN RIGHT-OF-WAY PER APPROVED PLAN. TEST RESULTS MAY REQUIRE ADDITIONAL WELLS TO BE DRILLED (SEE COMMENTS BELOW). SEE PLAN SHEET #"8" (NEW EXHIBIT "A" TO BE PROVIDED)

PERMIT FEES ARE CALCULATED PER 2 HOUR MININUM INSPECTION.*
BONDS ARE APPLIED TO EACH WELL. (2)

STREET TRANSPORTATION REVOCABLE PERMIT NUMBER: RP-04031-15

STATE OF ARIZONA WELL ID NUMBER(S):N/A, ALL WELLS DRILLED ARE APROXIMATELY 15' DEEP. REGISTRATION NUMBER NOT REQUIRED BY STATE STATUTE: A.R.S. 45-103

*INSPECTION FEES FOR ANY ADDITIONAL WELLS TO BE CHARGED IN FIELD BY CITY OF PHOENIX INSPECTOR/SUPERVISOR.($150.00/HR. 2 HOUR MINIMUM).

***$300 FEE ADDED FOR 2 WELLS NORTH OF MCDOWELL: WELL NUMBERS 71 & 72. ($1,000 BOND REQ.)

Valuation: $1,000

Owner Information
Name
Address

Certificate of Occupancy Type: **COFC**

Contractor Information

Name BOART LONGYEAR CO.	Type	Contact Phone 623-486-1881
Address 2640 W. 1700 SOUTH	Ins ACE AMERICAN HDOG255201420	Exp 01-AUG-11
	City/St/Zip SALT LAKE CITY UT 84127	Phone 623-486-1881

Instructions and Comments

Permit Issued By TSU Entered By CEDW

Inspections Required: PEI

Call 48 hours before beginning work 602-262-7811

NOTICE - This permit authorizes the above described work to be done in accordance with the approved plans and all applicable City codes and ordinances. Plan approval and permit issuance does not authorize violation of any city code or ordinance. The contractor(s) doing the work and the property owner or tenant/occupant authorizing the work are all legally responsible for complying with all codes and ordinances. This permit expires by limitation and is null and void if work has not started within or ceased for any reason for 180 days, or if work is not completed by the expiration date printed above. Work after this time or beyond the scope of this permit requires a new supplemental permit. This permit can be suspended or revoked for failing to follow the approved plans or for violation of any City code or ordinance. Work within the public right-of-way shall comply with all City standard details and specifications. The contractor is responsible for maintaining streets and sidewalks safe and usable at all times. All barricades shall be approved in advance and shall comply with the City Traffic Barricade Manual.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

2801 West Durango Street, Phoenix, Arizona 85009 (602) 506-1501

PERMIT TO USE FLOOD CONTROL DISTRICT RIGHT-OF-WAY

Filing Fee	$250.00	Permit No.	2010P038
Inspection Fee		Effective Date	4/18/11
Bond Amount	$27,655.00	Expiration Date	6/18/11
Bond / Account #	KO8419267	Extended Expiration Date	11/30/11 JPR Dir Mgr
Easement Deposit			
Rent Fee		Extension Fees $500.00	JM 12/13/11 Received by

This Agreement made by and between the Flood Control District of Maricopa County, hereinafter referred to as DISTRICT, and BOART LONGVEAR COMPANY hereinafter referred to as PERMITEE. The DISTRICT hereby grants, pursuant to the terms and conditions appearing below upon the reverse side hereof, a revocable permit to enter upon, occupy and use, at PERMITEE's sole expense, right-of-way described as follows and as shown on Exhibit 'A':

OLD CROSS CUT CANAL S. OF MCDOWELL ROAD

The right-of-way is to be used for the sole and express purpose of:

SOIL-GAS INVESTIGATION

Stipulations:

Because FREESCALE SEMICONDUCTOR, INC., has en easement for the activities alowed in this permit, and because the DISTRICT has maintenance responsibilities only in the parcel(s) affected by this permit, rent is not being charged. In addition, PERMITEE is responsible for obtaining any necessary permits/approvals from the underlying fee owner as well as the appropriate entity, including, but not limited to, dust control permits. PERMITEE is further responsible for compliance with all terms and conditions in said dust control permits in accordance with Paragraph 2 of the Conditions and Specifications of this permit.

PERMITEE is responsible for restricting the general public's access to the structure during construction activities allowed in this permit, although the DISTRICT'S access to the structure may not be restricted under any circumstances. If necessary, PERMITEE shall provide alternate access to the DISTRICT, at no cost to the DISTRICT.

Discharge into the DISTRICT'S structure from the wells and/or construction activities is prohibited. PERMITEE is further responsible for remove any cuttings and other debris caused by their construction activities.

Storage of equipment and/or material in the channel limits is prohibited. PERMITEE'S activities may not disturb the concrete channel lining of the DISTRICT'S structure. However, PERMITEE must maintain the site in a safe condition during construction activities allowed in this permit.

All DISTRICT right-of-way including, but not limited to, access roads, fencing and landscaping, shall be restored to original or better condition, to the satisfaction of the DISTRICT'S inspector. The DISTRICT shall assume no responsibility for maintenance of the monitoring wells.

All work shall be performed in a safe workman like manner to the satisfaction and approval of the DISTRICT. Notify Mike Ramirez, Permits Inspector, at 602-506-2975; Shelby Brown, at 602-506-4583; Angie Hardesty at 605-506-5476; or Carlos Rivera, 602-506-4723, 48 hours prior to any work and upon completion. The contractor is responsible for having a copy of this Permit onsite at all times while work is being performed in DISTRICT rights-of-way. As-built plans sealed by an Arizona registered engineer or land surveyor and DISTRICT gate key, if provided, must be submitted to the DISTRICT before release of any construction bond that is retained.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

By: Jeffrey Riddle
Timothy S. Phillips, P.E.
Chief Engineer and General Manager

Date: 4/18/11

FINAL INSPECTION:

By: _____

Title: _____

Date: _____

PERMITEE:

Name: BOART LONGVEAR COMPANY

Address: 7773 WEST SELDON LANE
PEORIA AZ 85345

Phone: 623-935-0124

By: _____

Title: Project Manager

Date: 4-18-11

CONDITIONS AND SPECIFICATIONS

1. Permitee warrants and represents that he and/or his Contractor(s) are qualified to perform the undertaking which is the subject of this Permit and agrees to obtain such other licenses, permits and agreements as may be required by other appropriate governmental agencies. This Permit is subject to all prior unexpired permits, agreements, easements, privileges or other rights, whether recorded or unrecorded, and Permitee shall make his own arrangements with holders of such prior rights.

2. Permitee shall take whatever steps, procedures or means required to prevent any dust nuisance due to the construction operations allowed in this permit. The dust control measures shall be maintained at all times to the satisfaction of the District and in accordance with the requirements of the Maricopa County Bureau of Air Pollution Control Rules and Regulations. The District will issue an immediate stop work order for failure to comply with the terms and conditions of this paragraph. If Permitee fails to correct the dust nuisance to the satisfaction of the District within twenty-four (24) hours from the date of the stop work order, the District will revoke the permit in accordance with Paragraph 11 of these Conditions and Specifications. Any costs to the District associated with the dust nuisance, including, but not limited to, fines, penalties and attorney fees, shall be the responsibility of the Permitee.

3. Approved construction of improvements in District right-of-way shall be completed and maintained in conformity with all applicable safety standards and regulations and in a manner so as to avoid the creation of potentially dangerous conditions and harm to others. All work shall conform to the Uniform Standard Specifications for Public Works Construction by the Maricopa Association of Governments as amended. Inspection by the District is not intended nor understood to be more than a determination that any specifications set forth herein have been complied with by Permitee and is not to be considered as an approval or ratification by the District of the quality or fitness of Permitee's improvements.

4. Permitee shall be liable for any and all damages to the property of the District or of any other party by reason of the exercise of the privilege herein given. Permitee further agrees to indemnify and hold harmless the District, its agents, officers, employees, successors or assigns against any and all claims, actions, costs or expenses for property damages loss or expense that is attributable to bodily injury, sickness, disease, death, or personal injuries caused by or related to the rights herein granted, except those caused solely and exclusively by the negligence of the District.

5. Permitee shall not generate, manufacture, refine, transport, dispose, produce, process, handle, use, store or treat any Hazardous or Extremely Hazardous Substance, Hazardous Waste, Special Waste or Solid Waste on the property, or use the property in such a manner as to create an environmental or public health hazard or nuisance, as these terms are defined by any federal, state, or local laws, statutes or rules or regulations. Permitee shall defend, indemnify and hold District harmless from and against all claims, demands, actions, judgments, settlements, liens, penalties, damages, losses, injuries costs and expenses (including reasonable attorneys' fees) arising out of or in any way related to Permitee's failure to comply with the provisions of this paragraph.

6. In the event the use of the property does not comply with applicable plans, conditions, specifications, provisions and limitations stated herein, or upon revocation of this Permit, the Permitee, if required by the District, shall remove at its own cost, within ten (10) days after written notice, any improvements or installations placed on the right-of-way. In case of failure of the Permitee to so remove any improvements or installations, or to provide proper and continuous maintenance and repair, the District may thereupon remove the same or provide appropriate maintenance and Permitee agrees to promptly reimburse the District for actual cost thereof including all legal fees and costs, if any.

7. No assignment of this Permit or any interest therein and no subpermit for any purpose shall be made or granted by Permitee without the prior written consent of the District.

8. In the event any property belonging to, or the area occupied by the Permitee interferes with or is needed to construct, maintain or relocate any District structure, Permitee shall at his own expense, relocate, remove, lower or raise such property, within a reasonable time, when requested to do so by the District in writing.

9. Permitee shall advise the District in writing of the anticipated start of work covered by this Permit at least three (3) working days prior to the start of work. All work shall be done subject to the supervision of, and to the satisfaction of, the District. Activities and uses authorized under this Permit are subject to any instructions of the District, and all such instructions must be strictly observed.

10. Permitee shall file and maintain, during the term of occupancy with the District, a certificate of insurance indicating coverage for public liability including premises and contractual coverage with limits no less than $2,000,000 General Aggregate and $2,000,000 Products/Completed Operation Aggregate and $1,000,000 Each Occurrence. Said insurance shall name the Flood Control District of Maricopa County as additional insured and be primary. It shall be the sole responsibility of the Permitee to maintain coverage in force in compliance with the above provisions.

11. Notwithstanding the expiration date above, this Permit is revocable by the District upon 10 days written notice to the Permitee.

12. It is mutually understood and agreed that this permit shall be governed by the laws of the State of Arizona, both as to interpretation and performance. Any action at law, suit in equity, or judicial proceeding for the enforcement of this permit, or any provision thereof, shall be instituted only in the courts of the State of Arizona.

ref:
Permit Number: 2010P038

DESCRIPTION:

Part of the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, parcels listed below:

T97240

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
Highway Encroachment Permit Application
(Application for Permission to Use State Highway Right-of-Way)

FOR ADOT USE

PERMIT NUMBER: 1207559 ROUTE: _____ MILEPOST: _____

ADOT PROJECT NUMBER: _____ ADOT ENGINEERING STATION: _____

Name of Encroachment Owner:	Name of Applicant (*If other than the Encroachment Owner):*
Freescale Semiconductor, Inc. c/o Jenn McCall	same
Address of Owner: 2100 E. Elliot Road, MD 614	Mailing Address:
City: Tempe	City:
State: AZ Zip: 85284	State: Zip:
Phone: 480-413-3290	Phone:
E-mail address: jenn.mccall@freescale.com	Legal Relationship to Owner:

City (in or near): Phoenix Side of Highway: N☐ S☐ E☐ W☐ (check one)

Highway Route No. Ops Yard 143 Approximately _____ Feet N☐ S☐ E☐ W☐ (check one) of Milepost No 2-3

Project No. or Parcel No.: Parcel 125-17-007L Project Duration : one month

Description of the proposed work or activity in the right-of-way: **Install a temporary soil gas test boring using a** truck mounted sampling probe to a depth of 15 feet in the parking lot pavement of the maintenance yard located south of McDowell Road and west of SR143. Soil gas samples would be taken from the test boring at 5 feet and 15 feet and analyzed for specific volatile organic compounds (VOCs) that are known to occur in the groundwater beneath the ADOT maintenance yard. The test boring will be temporarily sealed with a traffic rated, flush-mounted vault to allow for a second round of sampling about one or two weeks later. Following completion of sampling, the boring will be abandoned and the pavement will be patched and restored to presampling conditions. This is part of the Motorola Superfund Site.

The Encroachment Owner will be the Permittee. By signing this application, the Encroachment Owner/Permitee and the Applicant hereby acknowledges that the information given and statements made in this application are true and correct to the best of his/her knowledge. The Encroachment Owner agrees as the Permittee to accept the following General Obligations and Responsibilities as described on page 2 of the application. By accepting an approved encroachment permit, the Permittee agrees to the requirements described in the permit, to be responsible for all permit requirements, and to comply with ADOT's requirements as set out in the permit. An approved permit consists of this application, final supporting documentation approved by ADOT, and any requirements set by ADOT. If the Permittee disagrees with the requirements, the Permittee shall return the permit immediately to the District Office.

NO WORK SHALL TAKE PLACE INSIDE THE RIGHT OF WAY WITHOUT AN APPROVED PERMIT ON SITE.

Freescale Semiconductor, Inc.
Jenn McCall Jenn McCall

Encroachment Owner *(Print Name and Sign)*

Date 5/2/2011

Applicant *(Print Name and Sign)*

Date

RECEIVED

GENERAL OBLIGATIONS AND RESPONSIBLITIES

THE PERMITTEE AND/OR APPLICANT AGREES TO THE FOLLOWING:

1. Assume all legal liability and financial responsibility for the encroachment activity for the duration of the encroachment, including indemnify, defend, and hold ADOT and the State of Arizona and any of it's agents, directors, officers, employees harmless from and against any and all claims, actions, losses, liabilities, costs, damages, or expenses, including court costs, reasonable attorney's fees, and costs of claim processing and investigation, arising out of bodily injury or death of any person, or tangible or intangible property damage, caused, or alleged to be caused, in whole or in part, by the negligent or willful acts, or omissions of the Permittee, any of its directors, officers, agents, employees, or volunteers, or its contractor or subcontractors. This indemnity includes any claim or amount arising out of or recovered under the Workers' Compensation Law or arising out of the contractor's failure to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. The Permittee is not responsible for claims arising solely from ADOT's negligent or willful acts or omissions. The Permittee and/or contractors and subcontracts may be required to procure insurance with specified limits naming the State of Arizona and ADOT as additional insureds.
2. Comply with Environmental Laws. A. Environmental Laws refers collectively to any and all federal, state, or local statute, law, ordinance, code, rule, regulation,
   permit, order, or decree regulating, relating to, or imposing liability or standards of conduct on a person discharging, releasing or threatening to discharge or release or causing the discharge or release of any hazardous or solid waste or any hazardous substance, pollutant, contaminant, water, wastewater or storm water, and specifically includes, but is not limited to: The Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act; the Comprehensive Environmental Response, Compensation and Liability Act, as amended; the Toxic Substances Control Act; the Clean Water Act (CWA); the Clean Air Act; the Occupational Safety and Health Act; the Arizona Water Quality Act Revolving Fund Act, the Arizona Hazardous Waste Management Act, any applicable National Pollutant Discharge Elimination System (NPDES) or Arizona Pollution Discharge Elimination System (AZPDES) permit, any applicable CWA Section 404 permit, or any local pretreatment or environmental nuisance ordinance.
   B. The Permittee specifically agrees that in the course of performing any activity for which this Permit is necessary:
      i. To comply with any and all Environmental Laws;
      ii. To ensure that no activity under this Permit shall cause ADOT to be in violation of any Environmental Laws;
      iii. That if the Permittee fails or refuses to comply with any Environmental Laws, or causes ADOT to be in violation of any Environmental Laws, ADOT may at its sole and unreviewable discretion, (1) revoke this Permit; (2) require the Permittee to undertake corrective or remedial action to address any release or threatened release or discharge of the hazardous substance, pollutant or contaminant, water, wastewater or storm water; and (3) expressly consents to entry of injunctive relief to enforce any listed remedies.
      iv. To indemnify ADOT for any losses, damages, expenses, penalties, liabilities or claims of any nature whatsoever suffered by or asserted against ADOT as a direct or indirect result of the disposal, escape, seepage, leakage, spillage, discharge, emission, or release of any hazardous waste, solid waste, hazardous substance, pollutant or contaminant, water, wastewater or storm water and losses, damages, expenses, penalties, liabilities and claims asserted or arising under the Environmental Laws, or for ADOT's costs in undertaking corrective action pursuant to an order of or settlement with a duly authorized regulatory agency or injured third party or for any penalties associated with Permittee's activities;
3. Be responsible for any repair or maintenance work to the encroachment for the duration of the encroachment;
4. Comply with ADOT's traffic control standards;
5. Obtain written approval from the abutting property owner (and/or underlying fee owner where ADOT owns its right of way by easement) if the encroachment encroaches on abutting property owned by someone other than the permittee (and/or on underlying fee land owned by someone other than the permittee where ADOT owns its right of way by easement).
6. Upon notice from ADOT, repair any aspect or condition of the encroachment that causes danger or hazard to the traveling public;
7. Remove the encroachment and restore the right-of-way to its original or better condition if ADOT cancels the encroachment permit, and terminates all rights under the permit;
8. Reimburse ADOT for costs incurred or deposit with ADOT money necessary to cover all costs incurred for activities related to the encroachment, such as inspections, restoring the right-of-way to its original or better condition, removing the encroachment, or repair encroachment to originally permitted condition;
9. Notify a new owner to apply for an encroachment permit, as required by Arizona Administrative Rule R17-3-502(D);
10. Apply for a new encroachment permit if the use of the permitted encroachment changes;
11. Keep a copy of the encroachment permit at the work site or site of encroachment activity;
12. Construct the encroachment according to plans that ADOT approves as part of the final permit;
13. Obtain required permits from other government agencies or political subdivisions;
14. Remove any defective materials, or materials that fail to pass ADOT's final inspection, and replace with materials ADOT specifies.
15. If the permit application is denied, applicant has a right to a hearing as prescribed in Arizona Administrative Rule, R17-3-509.

FOR ADOT USE

PERMIT TO USE STATE HIGHWAY RIGHT-OF-WAY

This application is approved as a permit and a permit is issued to the Permittee. Construction is authorized only for the period indicated below.

Authorized ADOT Name and Signature

Issue Date 5-5-11 Permit work to be completed by: 8-3-11

Arizona Department of Transportation

Phoenix Maintenance District - Permits
2140 W. Hilton Avenue Phoenix, Arizona 85009.6988
602.712.7521

Janice K. Brewer
Governor

John S. Halikowski
Director

Floyd Roehrich Jr.
State Engineer

Tim Wolfe
District Engineer

September 14, 2011

FREESCALE SEMICONDUCTOR, INC.
2100 E. ELLIOT RD, MD 614
TEMPE AZ 85284
Attn: Jean McCall

Re: Extension to ADOT Permit No: 1207559
Location: SR-143(NB) @ 2.000-3.000

Dear Jean,

At your request the above referenced permit has been extended from May 3, 2011 to, October 31, 2011. Be sure that a copy of this letter as well as a copy of the original permit are on the job site at all times.

If I may be of any further assistance to you, please feel free to contact me at 602-712-7522.

Sincerely,

Dwight D. Loy
Permits Supervisor

143/sandra

ACCESS AGREEMENT FOR ENVIRONMENTAL SAMPLING

This Access Agreement for Environmental Sampling (Access Agreement) is made and entered into this _____ day of _____, 2011, by and between _____ (hereinafter "Owner") and FREESCALE SEMICONDUCTOR, INC., a Delaware corporation (hereinafter "Freescale").

RECITALS

A. _____ is the owner and/or authorized agent of the _____ _____in Maricopa County, Arizona, located at _____ and identified in Exhibit "A" attached hereto (hereinafter "the Property").

B. Freescale, under the oversight of the U.S. Environmental Protection Agency (EPA), will be conducting a soil gas sampling program in the vicinity of the former Motorola 52nd Street facility as part of a Soil Vapor Intrusion to Indoor Air Pathway Evaluation being conducted under an Administrative Order on Consent with EPA; depending on the results of the soil gas sampling, Freescale may also be conducting a subslab/crawl space and/or indoor air sampling program if required by EPA; and

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1) Easement for Access.

a) Owner hereby grants to Freescale, its employees, consultants, and contractors, and EPA and its contractors, a nonexclusive right, easement and privilege for ingress and egress over, across and under the Property to install one or more temporary soil gas borings at the approximate location(s) shown on Exhibit A and perform soil gas sampling at that location or locations. The proposed soil gas sampling boring design is shown on Exhibit B. Freescale's contractor shall perform utility clearance activities at the Property prior to installation.

b) Access shall include pedestrian and vehicular access. Freescale shall consult with Owner in advance of any installation and/or sampling to coordinate a date and timeframe for access that is agreeable to Owner.

c) If additional soil gas sampling is necessary, or if subslab/crawl space and/or indoor/outdoor air sampling is required by EPA, Freescale shall submit to Owner the proposed location(s) and a schedule for installation/sampling at the Property for Owner's approval prior to conducting the installation or sampling. Approval of additional soil gas locations, subslab/crawl space and/or indoor/outdoor air sampling, including any proposed location or schedule, is **at the sole discretion of Owner**. Any additional soil gas sampling, subslab/crawl space and/or indoor/outdoor air sampling location and schedule approved by Owner becomes an enforceable part of this Access Agreement.

2. Term of Easement. This Access Agreement shall commence on the date first written above and shall run for a period six (6) months, or until the earlier date of completion of the EPA-required evaluation as evidenced by approval by EPA of a final report from Freescale to EPA. Upon termination of the access or completion of the evaluation, Freescale shall have sixty (60) days to conduct the work described in Paragraph 5 of this Agreement.

3. Inspection by Owner. Owner shall have the right to inspect the activity conducted pursuant to Paragraph 1 of this Agreement at any time without prior notification.

4. Provision of Sampling Data. In consideration of the rights granted to Freescale herein, and as reasonable compensation to Owner, Freescale shall, at Owner's request, supply Owner, or its designee, with the results (including laboratory analysis data sheets) of all sampling performed at the Property.

5. Completion of the Sampling. Upon completion of the sampling activity, Freescale shall restore the Property to a condition substantially similar to that existing at the time immediately preceding Freescale's, or its agents', consultants', or contractors' entry onto the Property for sampling. Freescale will abandon soil gas borings in place in accordance with applicable federal and state standards.

6. Compliance with Laws. Freescale shall comply with all applicable laws in conducting the sampling. In addition, Freescale shall obtain all permits and other government approvals required to undertake such actions. All companies retained by Freescale for any of the work will be duly licensed or otherwise qualified under law for such activities by the applicable federal, state or local authority.

7. Indemnification. Freescale hereby agrees to indemnify, defend and hold harmless Owner from any and all damages, claims, liabilities, costs, and expenses (including reasonable attorneys' fees and actual court costs) (the "Loss") incurred by or asserted against Owner and arising from the soil gas or subslab/crawl space and/or indoor/outdoor air sampling, or entry by Freescale or its employees, agents, consultants or contractors upon the Property; provided, however, that Freescale shall have no such indemnification obligation pursuant to this paragraph to the extent that the Loss is caused by the negligence or intentional acts, errors, or omissions of Owner, its employees, agents or representatives, or Owner's successors or assigns. This right of indemnification shall survive the termination of this Agreement, but shall be limited to events that occur during the term of this Agreement or until completion of the evaluation, whichever is earlier.

8. Notices. Any notices to either party by the other shall be in writing and delivered in person, by registered mail, or by facsimile addressed as follows, or delivered elsewhere as either party may designate by written notice to the other:

Owner at:

Phone
Fax:

Freescale at: Jenn McCall
Freescale Semiconductor, Inc.
2100 E. Elliott Rd.
Mail Drop EL-614
Tempe, Arizona 85284

Phone: (480) 413-3290
Fax: (480) 413-3100

9. Miscellaneous.

(a) This Access Agreement is governed by the laws of the State of Arizona.
(b) Owner hereby represents and warrants to Freescale that Owner is the owner of the Property or authorized agent of the Owner, and that no approval or consent by any other provision or entity is necessary or required before this Access Agreement will be effective or may be exercised.
(c) This Access Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties, including future transferees of the Property.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective as of the date first written above.

_____ FREESCALE SEMICONDUCTOR, INC.

By _____ By _____

Its _____ Its _____

Date _____ Date _____

Appendix B

Photos of Soil Gas Implant Installation and Sampling

This page intentionally left blank for duplex printing

Photographs of Implant Installation

CLEAR CREEK ASSOCIATES

Revised Final Soil Gas Sampling Report
Soil Gas Sampling Investigation
Operable Unit 1
Motorola 52nd Street Superfund Site

Photographs of Implant Installation

CLEAR CREEK ASSOCIATES

Revised Final Soil Gas Sampling Report
Soil Gas Sampling Investigation
Operable Unit 1
Motorola 52nd Street Superfund Site

Photographs of Implant Sampling

CLEAR CREEK ASSOCIATES

Revised Final Soil Gas Sampling Report
Soil Gas Sampling Investigation
Operable Unit 1
Motorola 52nd Street Superfund Site

Appendix C

Field Documentation

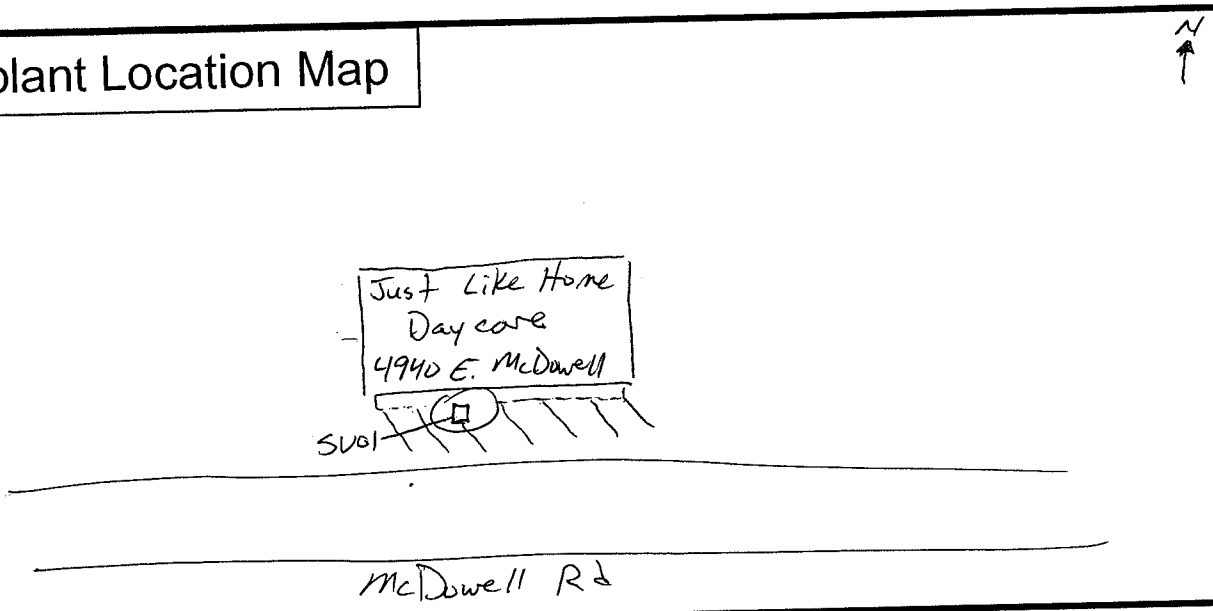
(Provided in CD of report)

This page intentionally left blank for duplex printing

Soil Gas Implant ID SV01

Northing N 33° 27' 56.8"
Easting W 111° 58' 28.8"

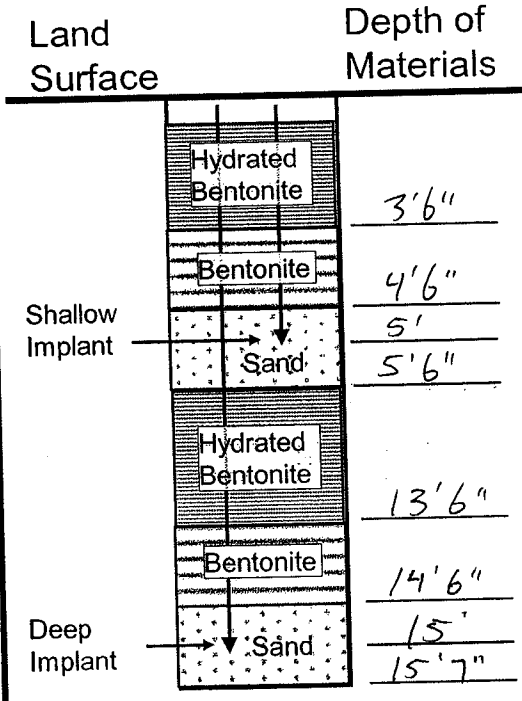
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/23/11 1040

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

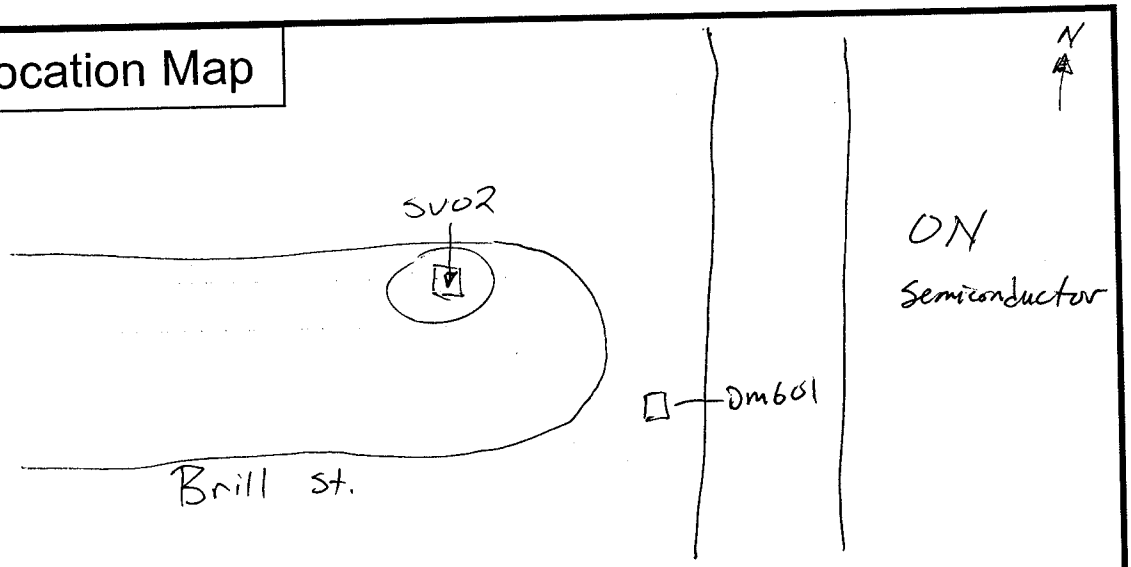
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV02

Northing N33° 27' 51.4"

~~Easting~~ W111° 58' 27.1"

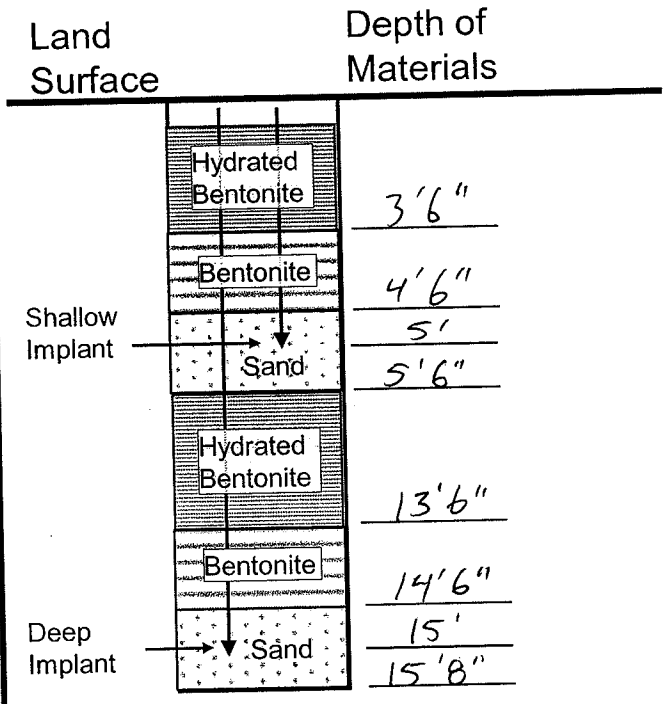
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/21/11 1600

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	356.5

Deep Implant Purge Volume

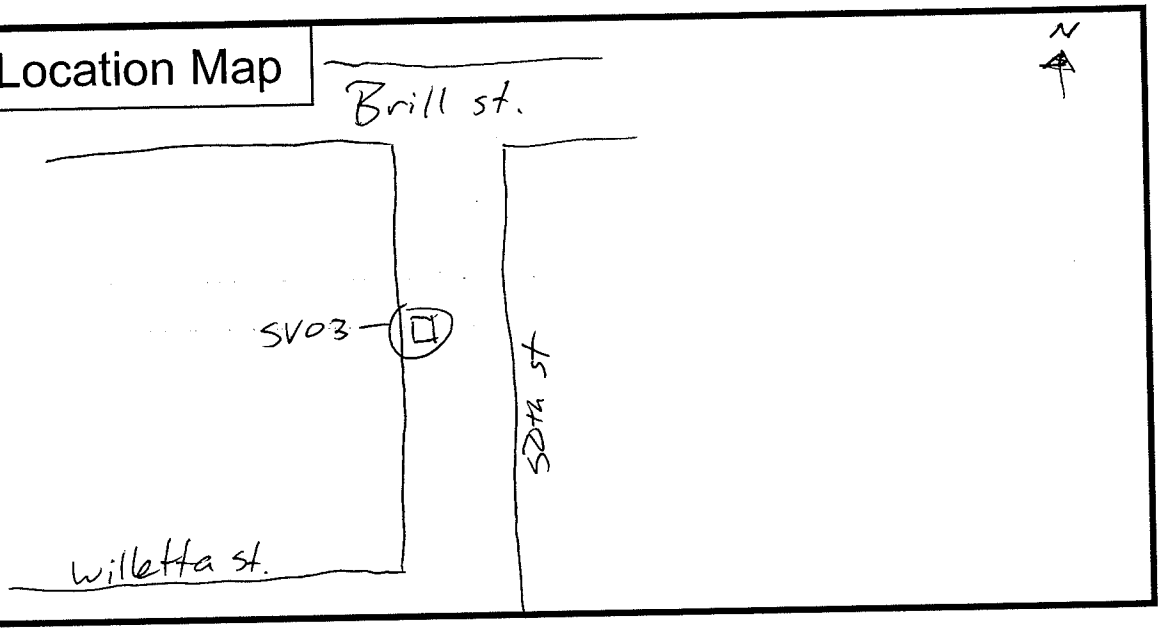
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	502

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV03

Northing N 33° 27' 48.5"
~~Easting~~ W 111° 58' 28.7"

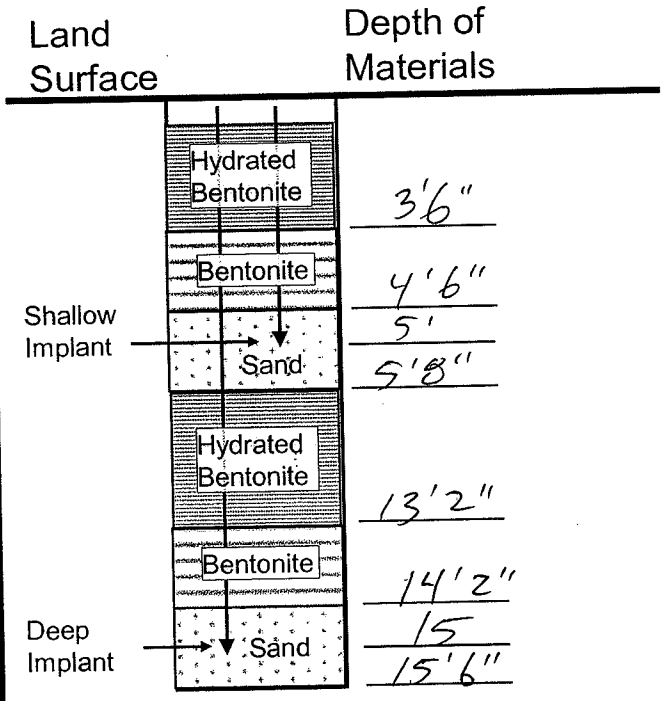
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/19/11 1500

Drilling Contractor Boart Longyear.



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	14
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	405.5

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	16
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	386
Purge Volume of Tubing+Sandpack (ml)	550

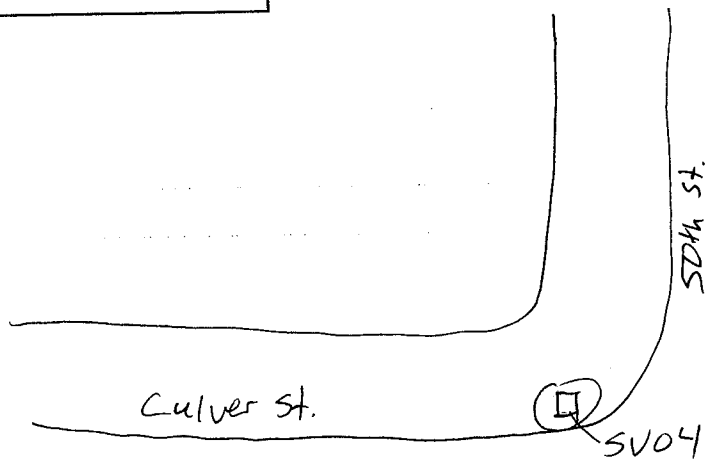
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV04

Northing N 33° 27' 42.9"

~~Easting~~ W 111° 58' 28.4"

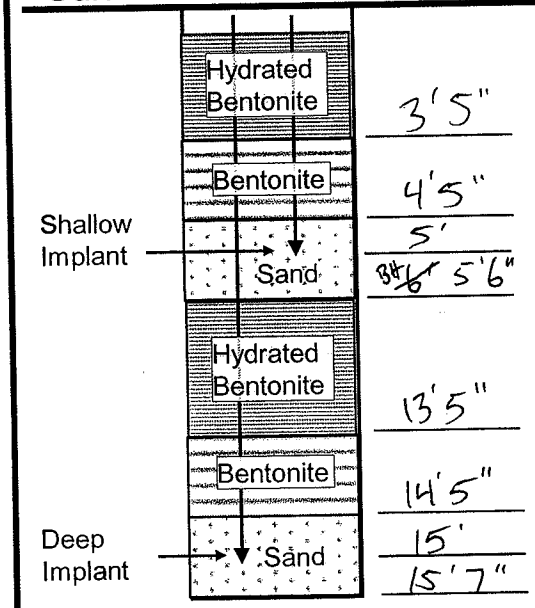
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/19/11 1000

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	~~.25~~
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	337.5
Purge Volume of Tubing+Sandpack (ml)	501.5

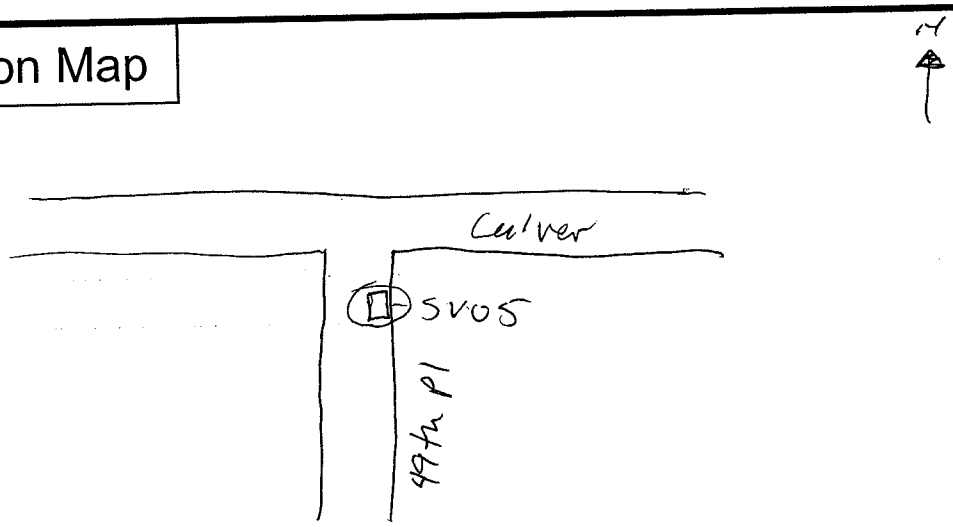
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV05

Northing N 33° 27' 42.1"

~~Easting~~ W 111° 58' 31.9"

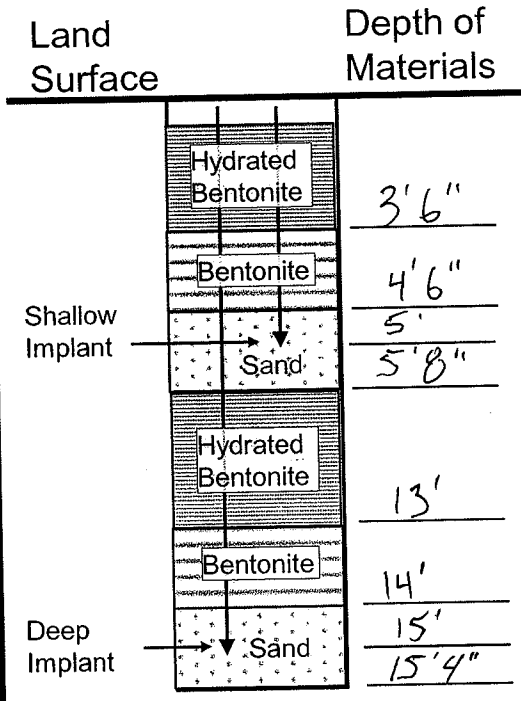
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/19/11 0800

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	14
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	337.6
Purge Volume of Tubing+Sandpack (ml)	405.1

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	16
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	386
Purge Volume of Tubing+Sandpack (ml)	550

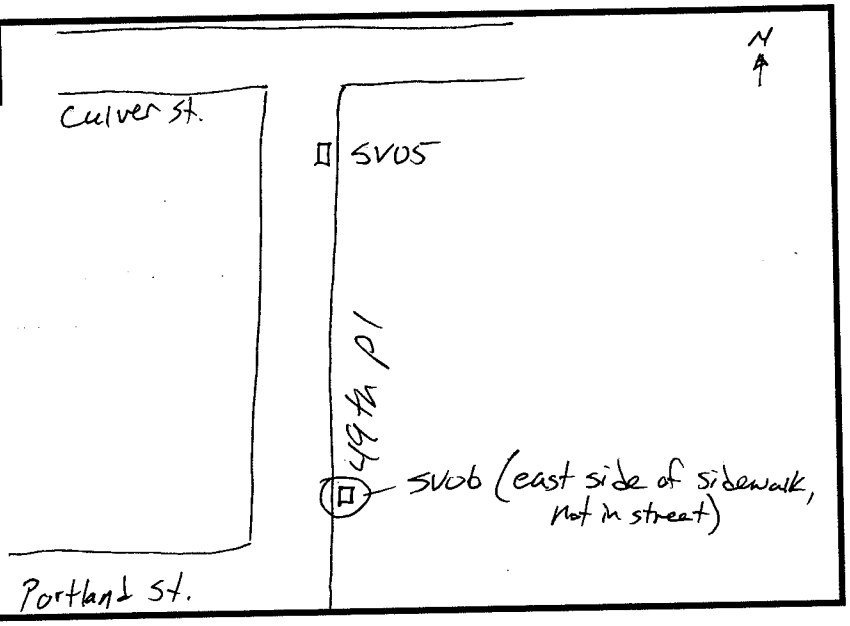
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV06

Northing N 33° 27' 38.5"

~~Easting~~ W 111° 58' 31.7"

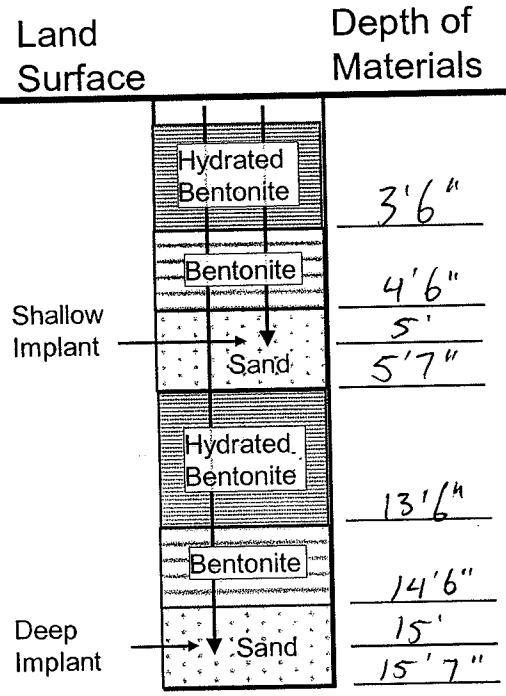
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/21/11 1430

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

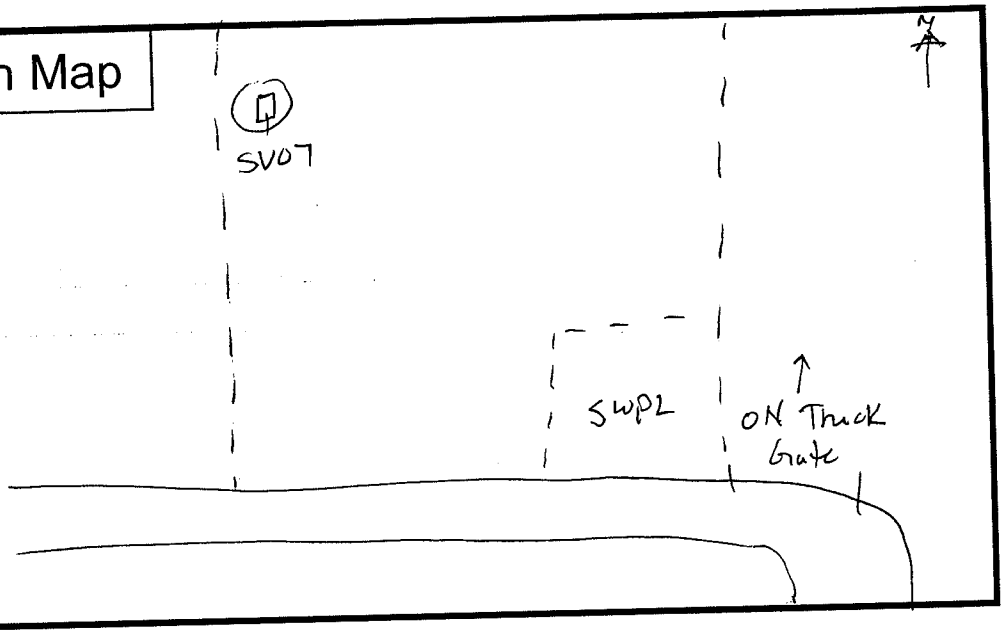
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	477.5

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV07

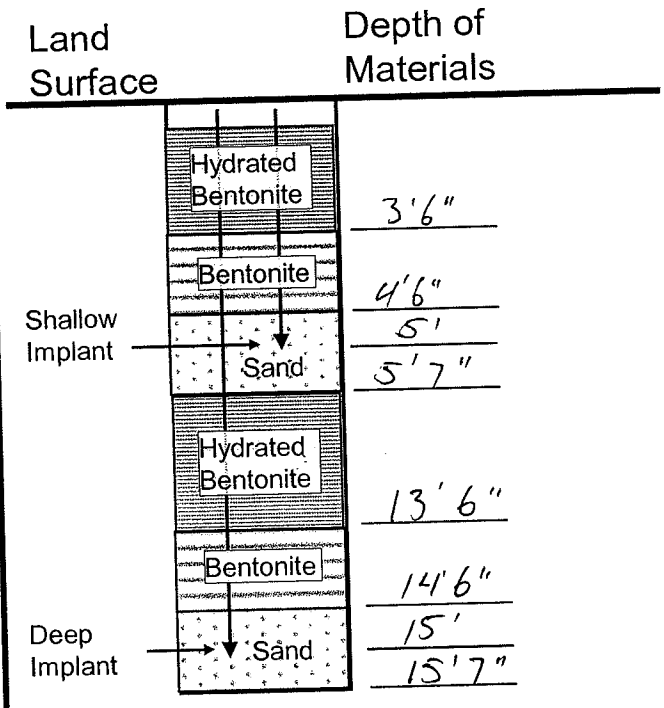
Northing N33° 27' 32.4"
Easting W111° 58' 31.4"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/21/11 1200
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	477.5

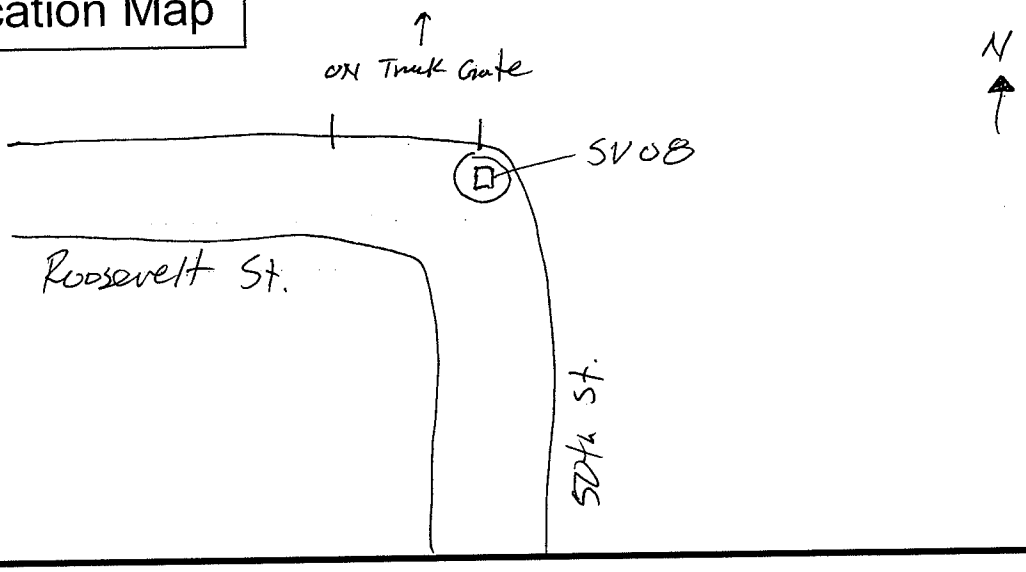
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV08

Northing N 33° 27' 30.3"

~~Easting~~ W 111° 58' 26.7"

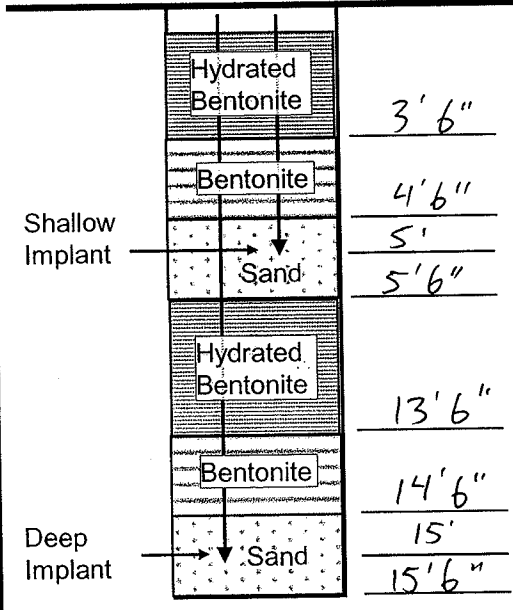
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/21/11 0930

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	357
Purge Volume of Tubing+Sandpack (ml)	424.5

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	357
Purge Volume of Tubing+Sandpack (ml)	521

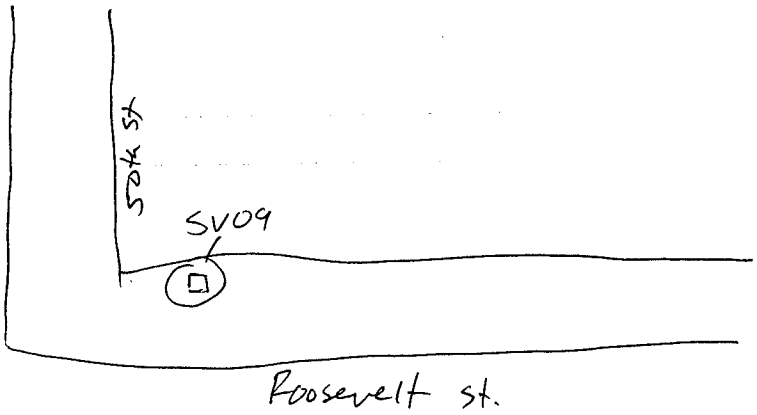
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV09

Northing N 33° 27' 24.0"

~~Easting~~ W 111° 58' 25.9"

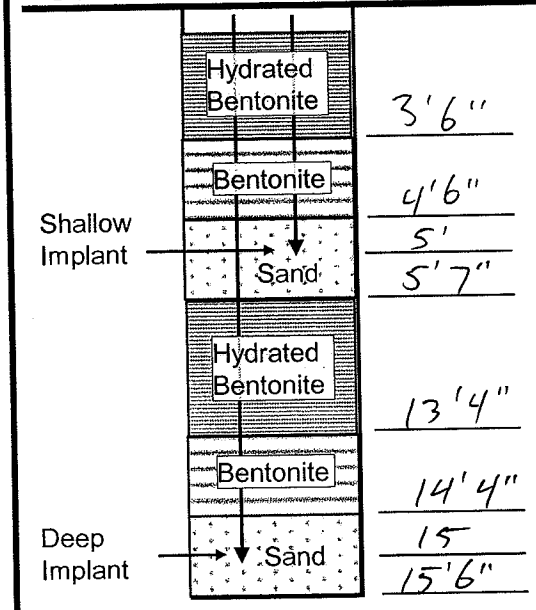
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/21/11 0800

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	378
Purge Volume of Tubing+Sandpack (ml)	542

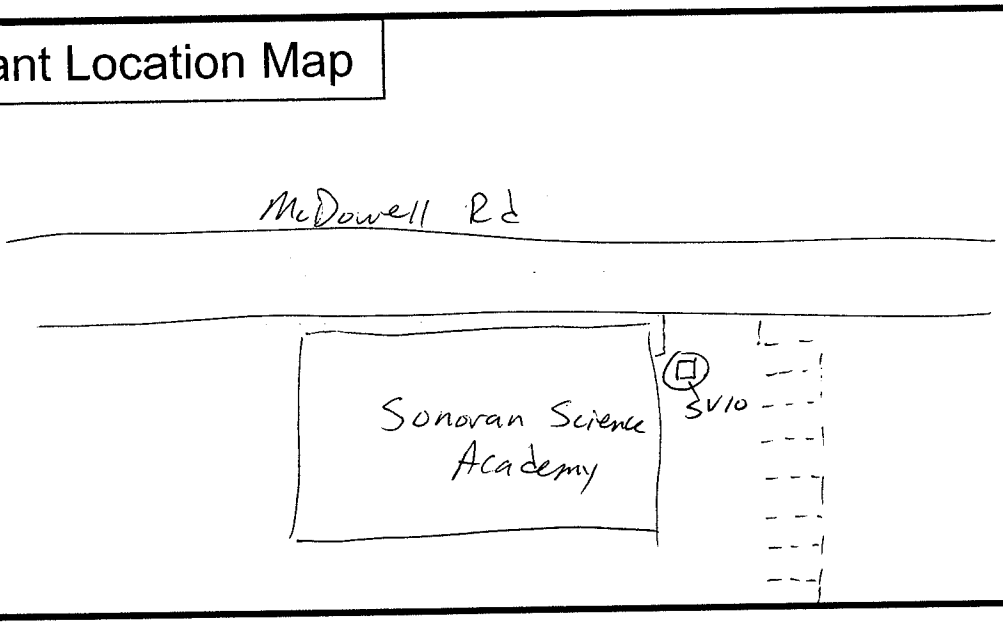
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV10

Northing N33° 27' 55.4"

Easting W 111° 58' 36.1"

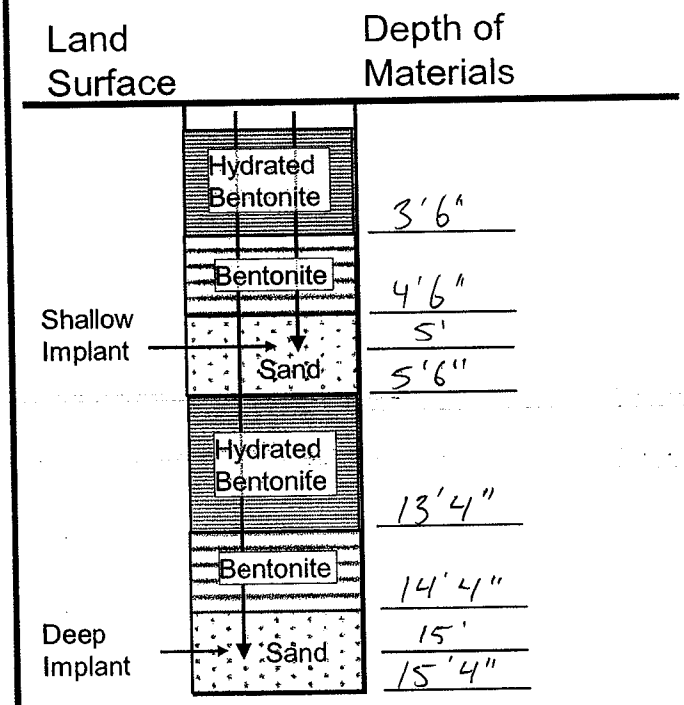
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/23/11

Drilling Contractor _____



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

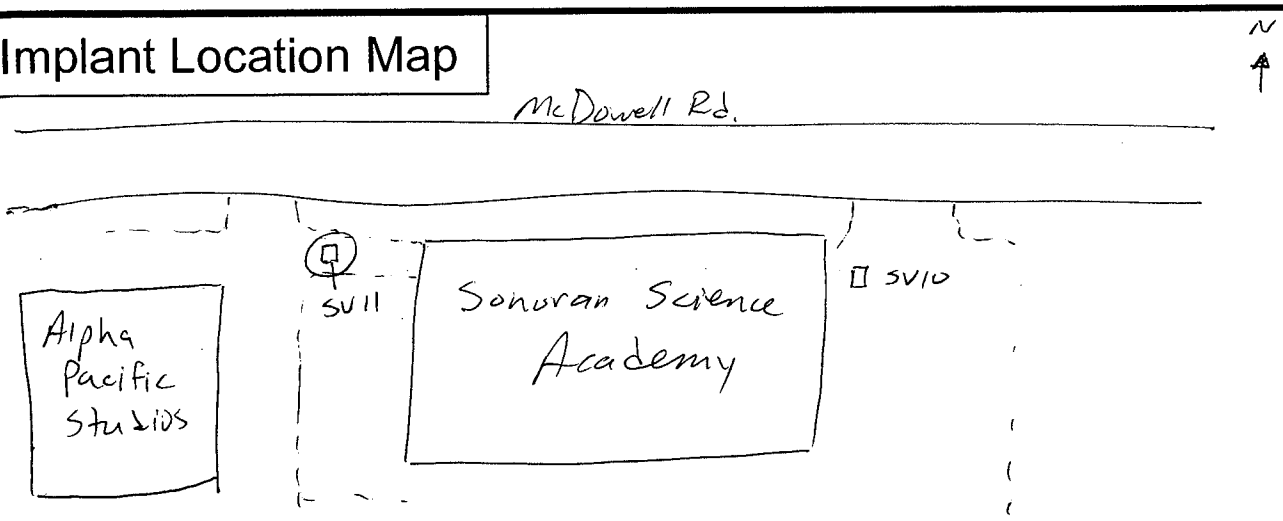
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV11

Northing N38° 27' 55.3"
Easting W119° 58' 39.7"

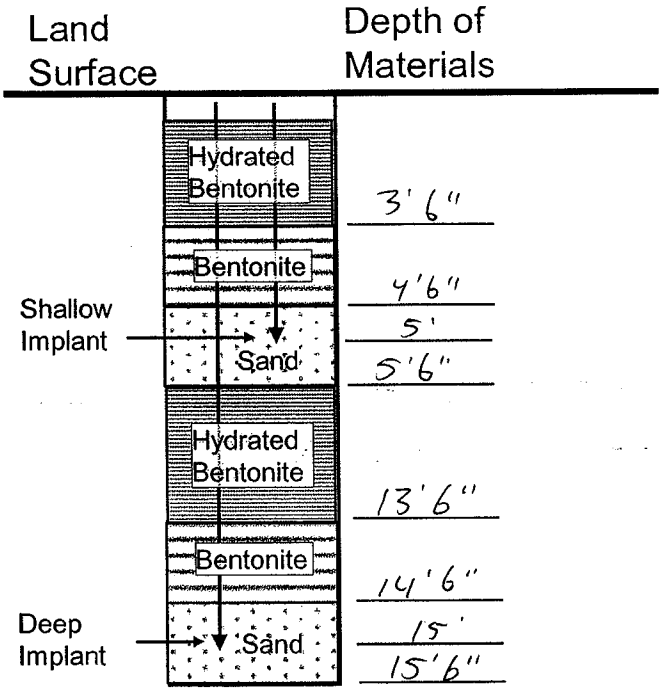
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/23/11 0900

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

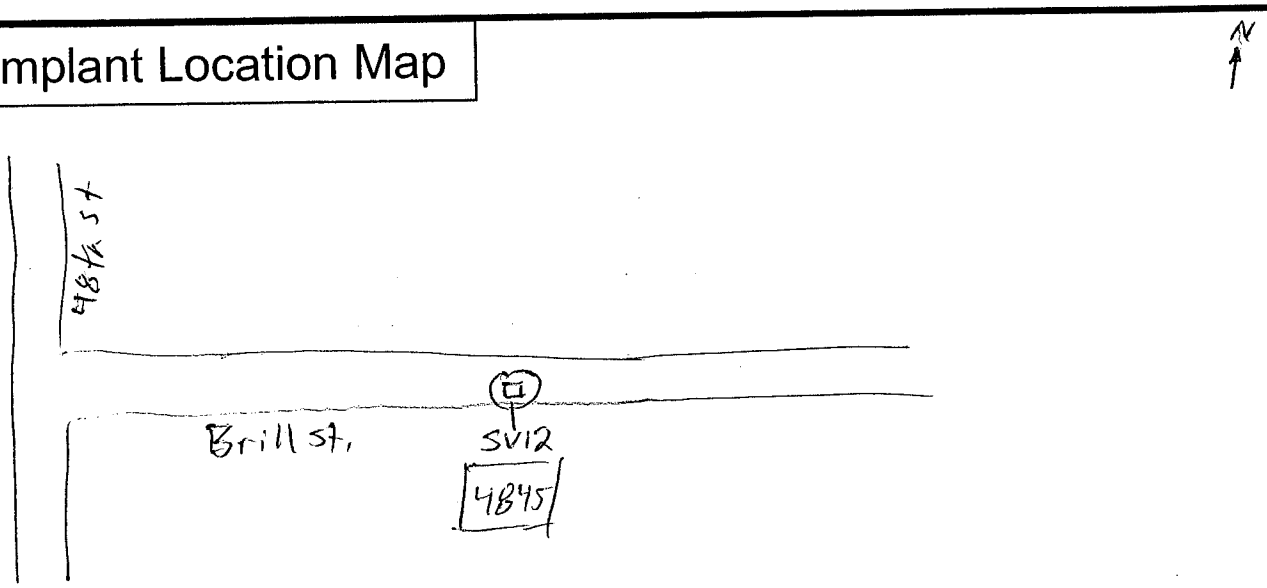
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV12

Northing N33° 27' 51.0"
~~Easting~~ W111° 58' 34.9"

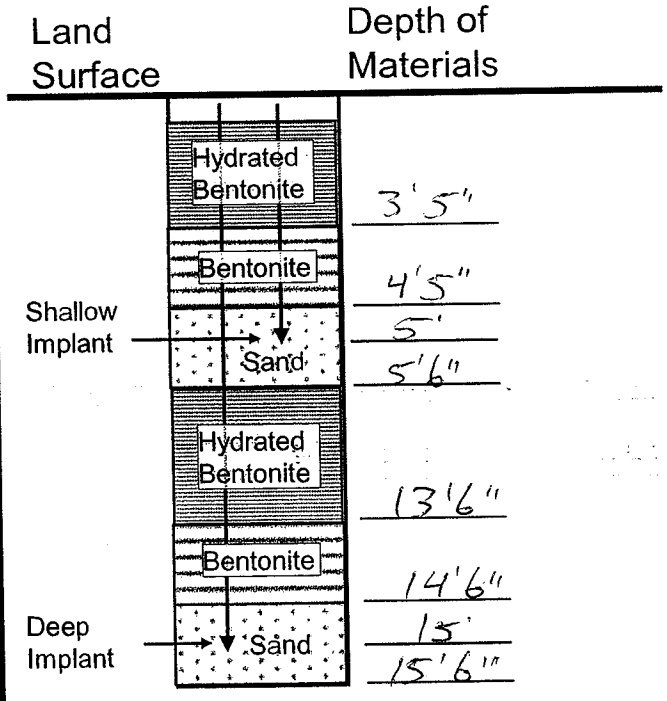
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/22/11 1000

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

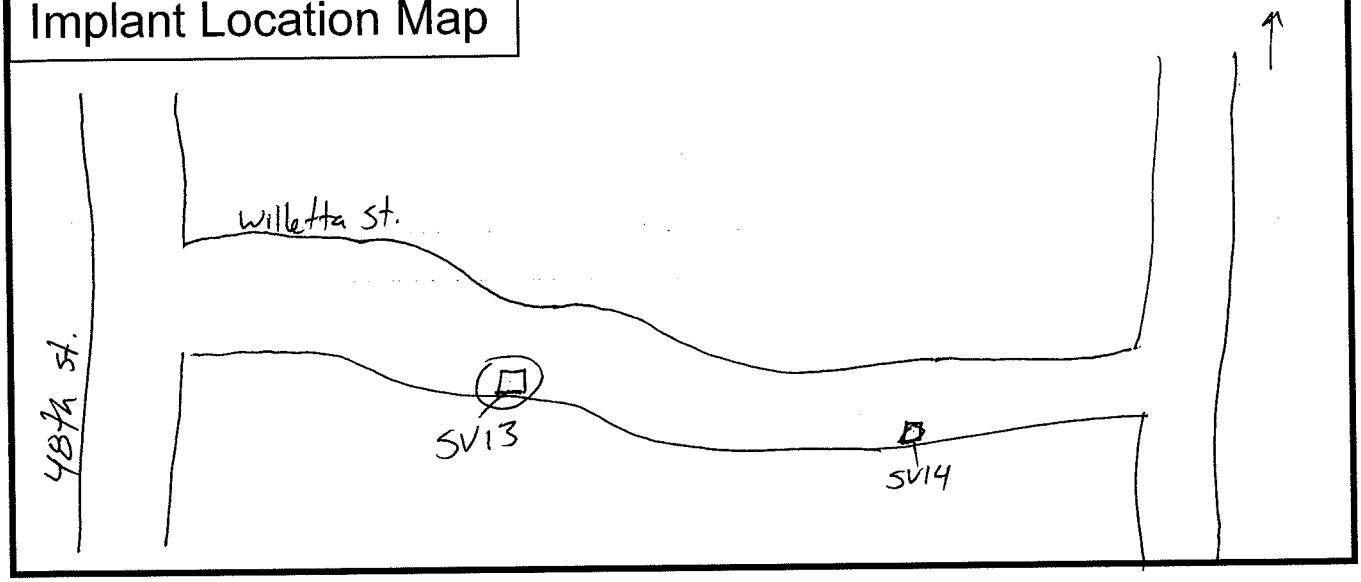
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV13

Northing N33° 27' 47.8"
~~Easting~~ W111° 58' 36.2"

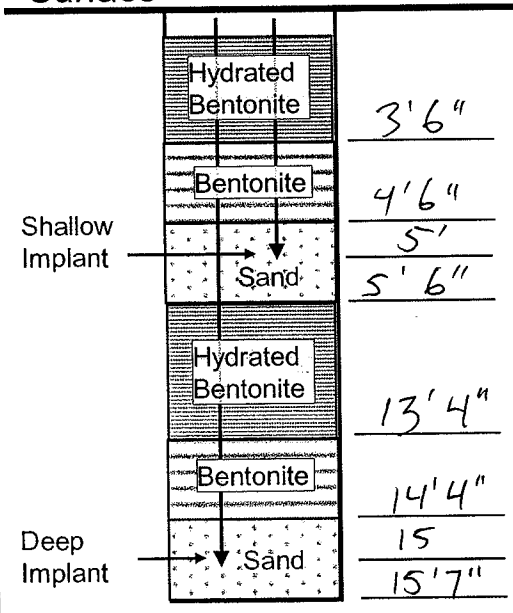
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/20/11 1530

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289.4
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

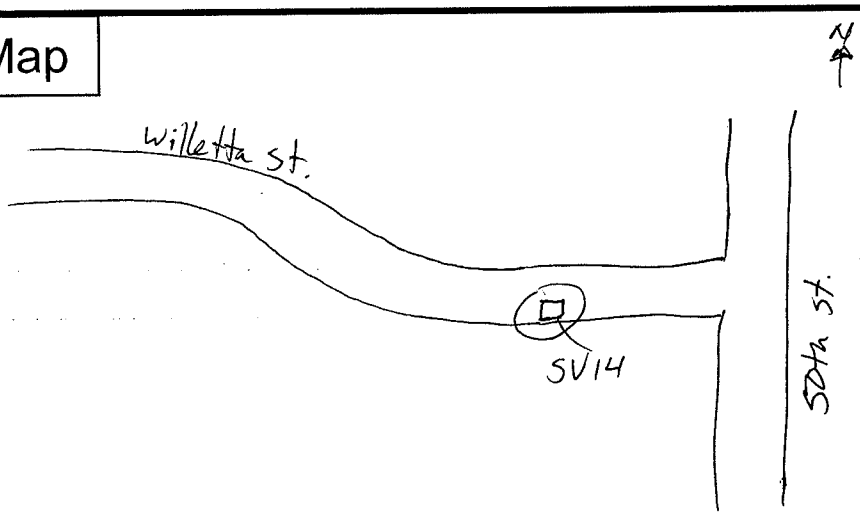
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	15
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	362
Purge Volume of Tubing+Sandpack (ml)	526

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV14

Northing N 33° 27' 45.7"
Easting W 111° 58' 31.3"

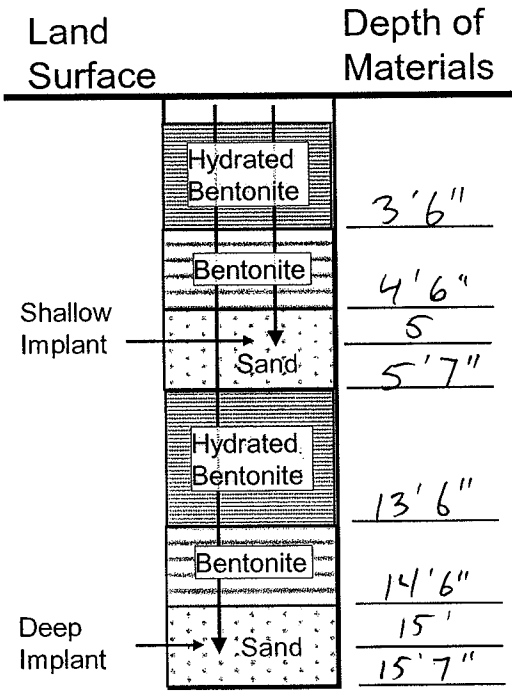
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/20/11 1345

Drilling Contractor Bowt Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	477.5

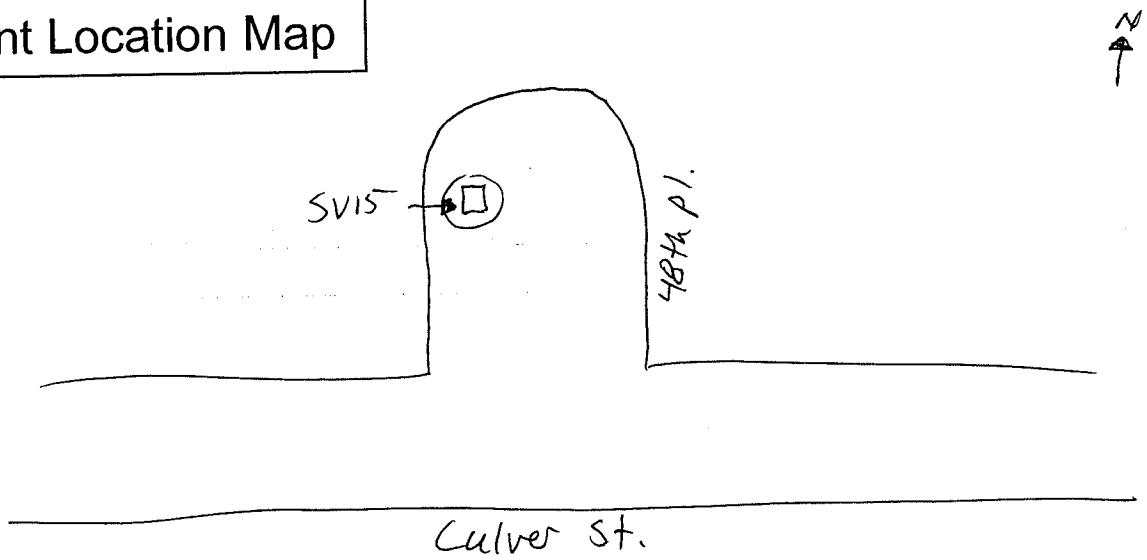
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV15

Northing N 33° 27' 44.9"

~~Easting~~ W 111° 58' 38.6"

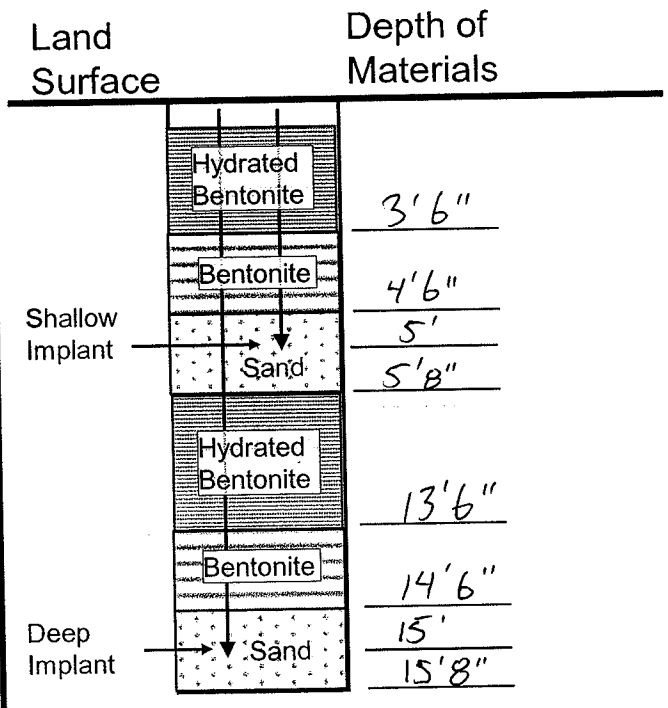
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/20/11 0800

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	14
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	405.5

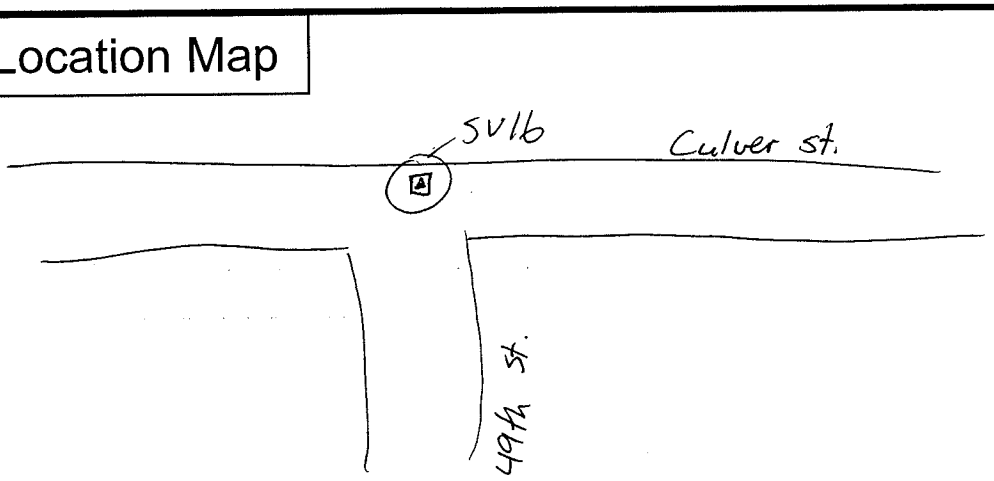
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	1.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	502

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV16

Northing N 33° 27' 43.0"
Easting W 111° 58' 35.4"

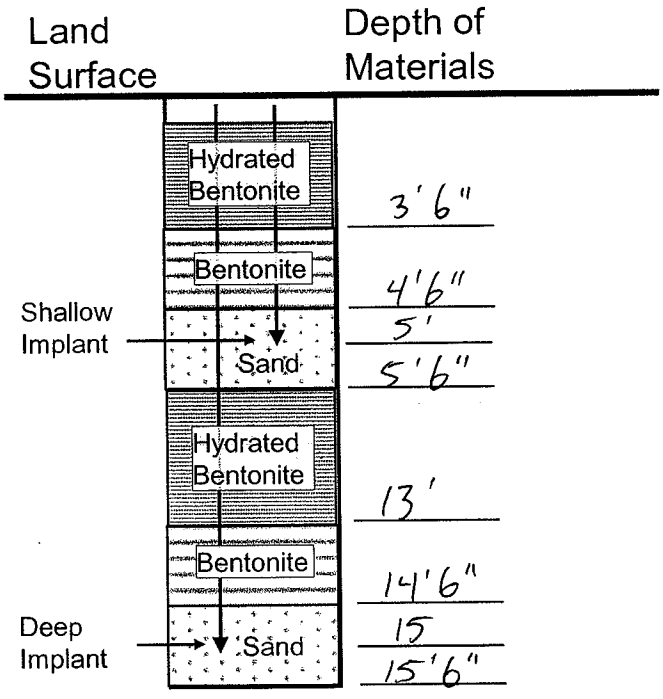
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/20/11 0930

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}*12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289.4
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

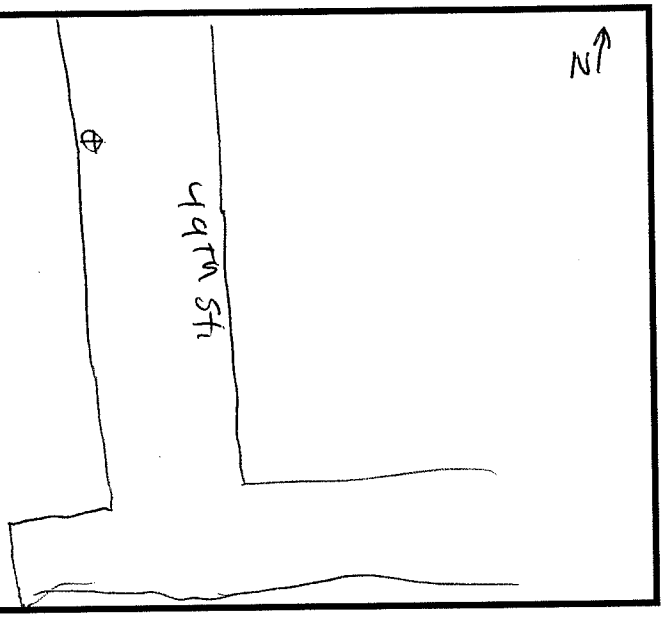
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV17

Northing N33° 27' 39.0"

~~Easting~~ W111° 58' 35.4"

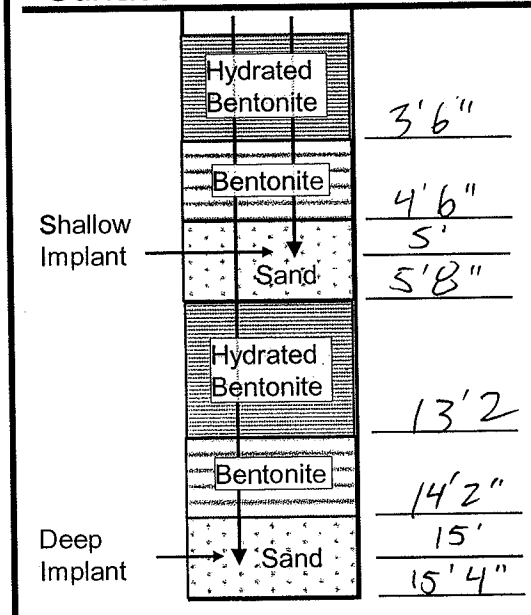
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/20/11 1200

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	14
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	405.5

Deep Implant Purge Volume

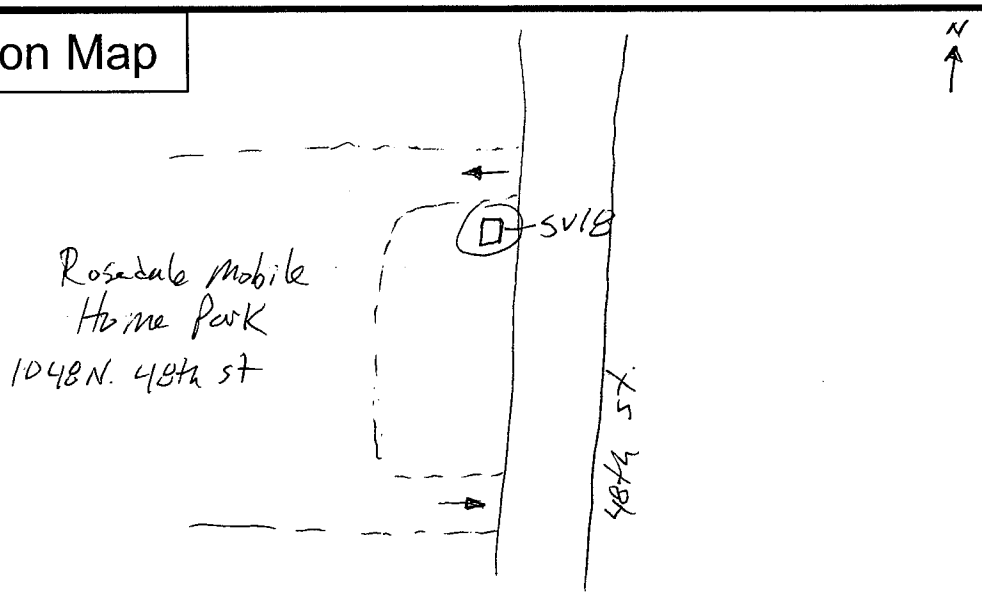
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	502

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV18

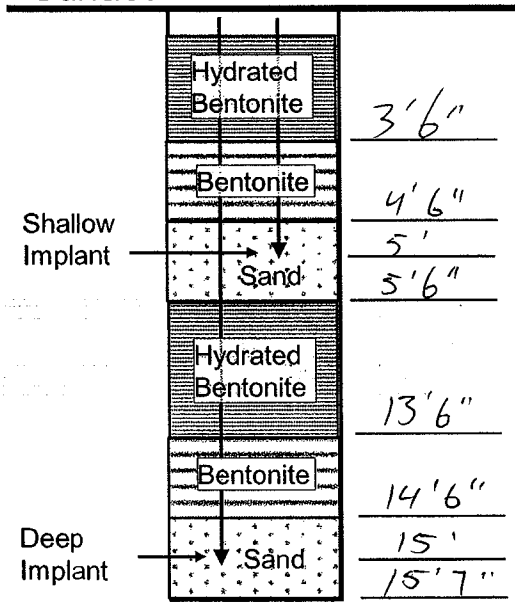
Northing N 38° 27' 35.1"
Easting W 111° 58' 42.7"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/25/11 1245
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

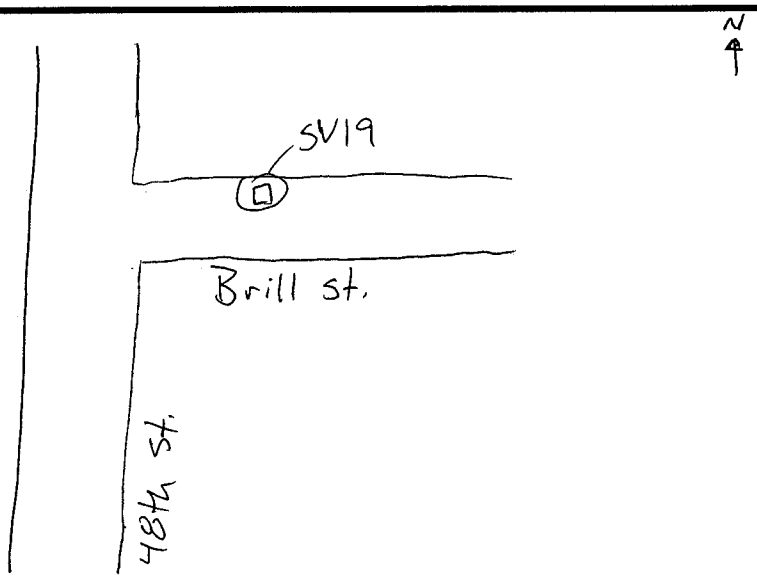
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV19

Northing N 33° 27' 51.3"
Easting W 111° 58' 41.6"

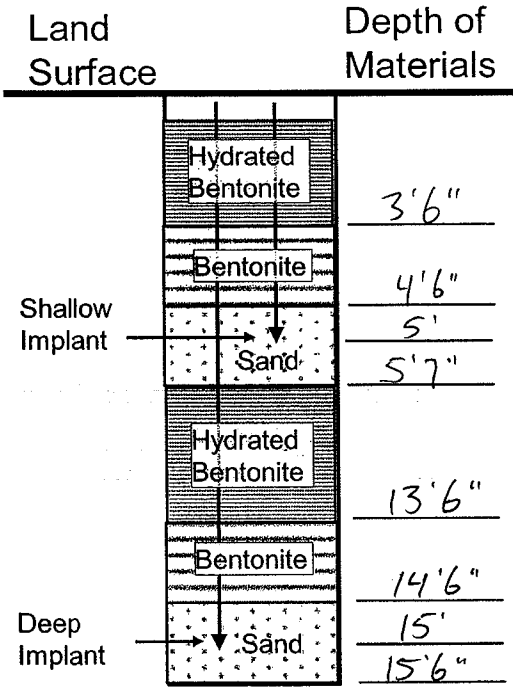
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/26/11 0730

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

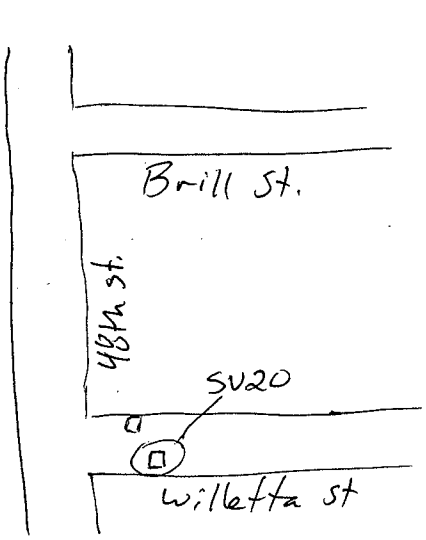
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV20

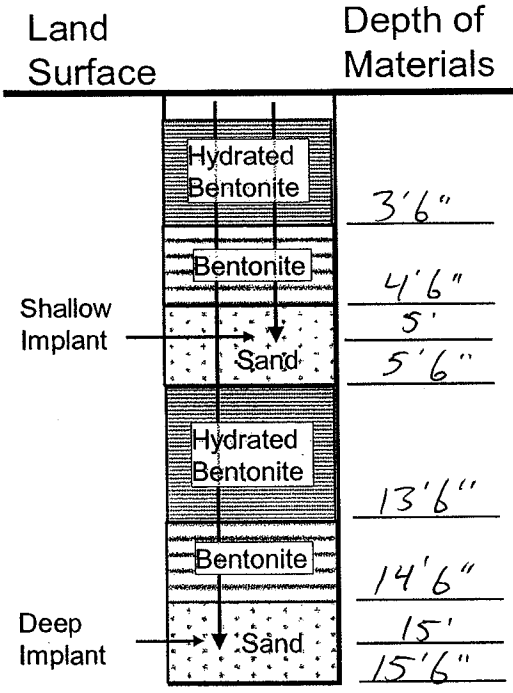
Northing N33° 27' 48.1"
Easting W111° 58' 41.9"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/25/11 1430
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

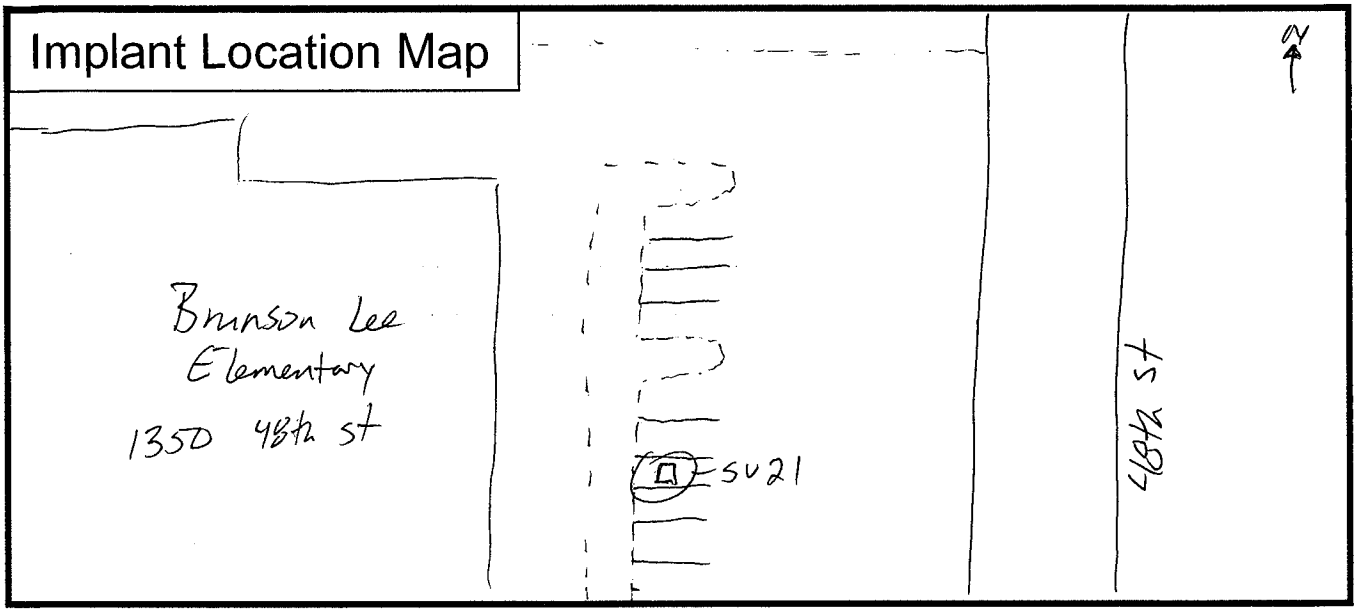
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV21

Northing N 38° 27' 47.8"
Easting W 111° 58' 44.5"

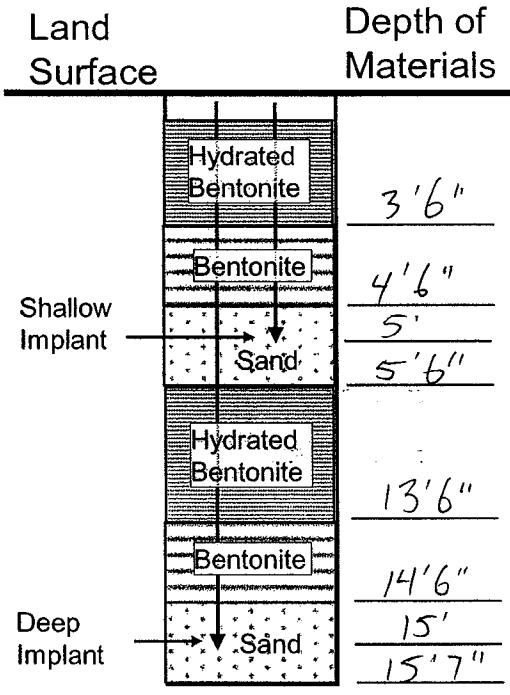
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/25/11 0800

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

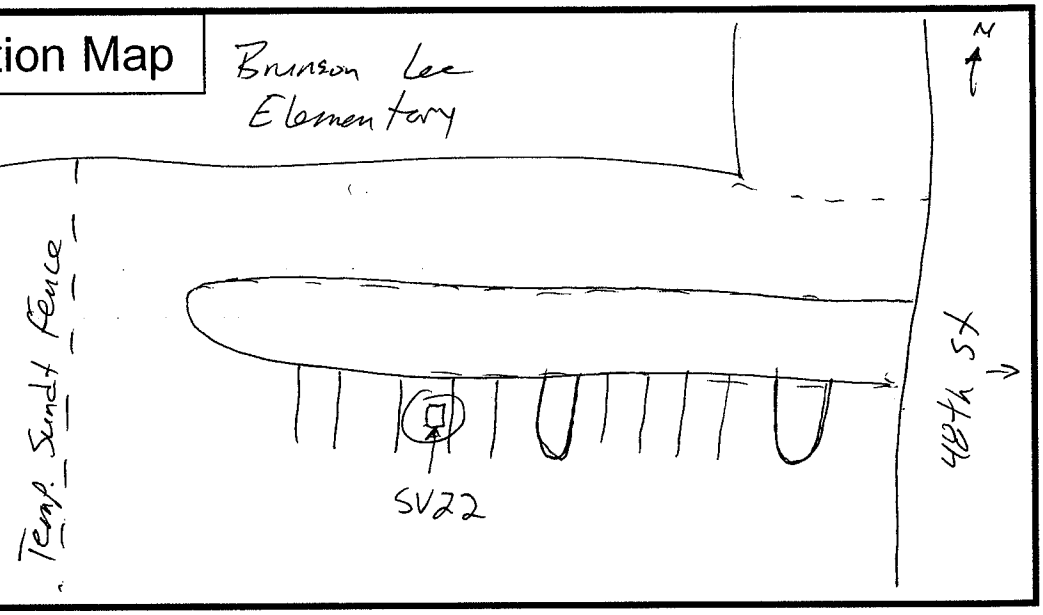
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV22

Northing N 38° 27' 44.2"

Easting W 111° 58' 45.8"

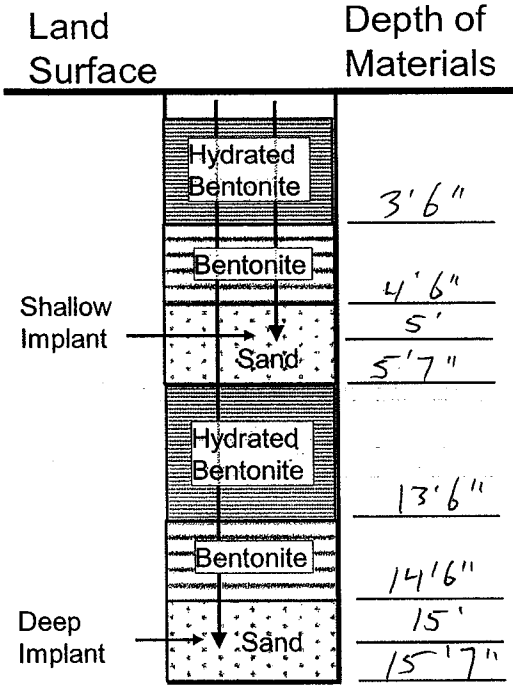
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/25/11 0930

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

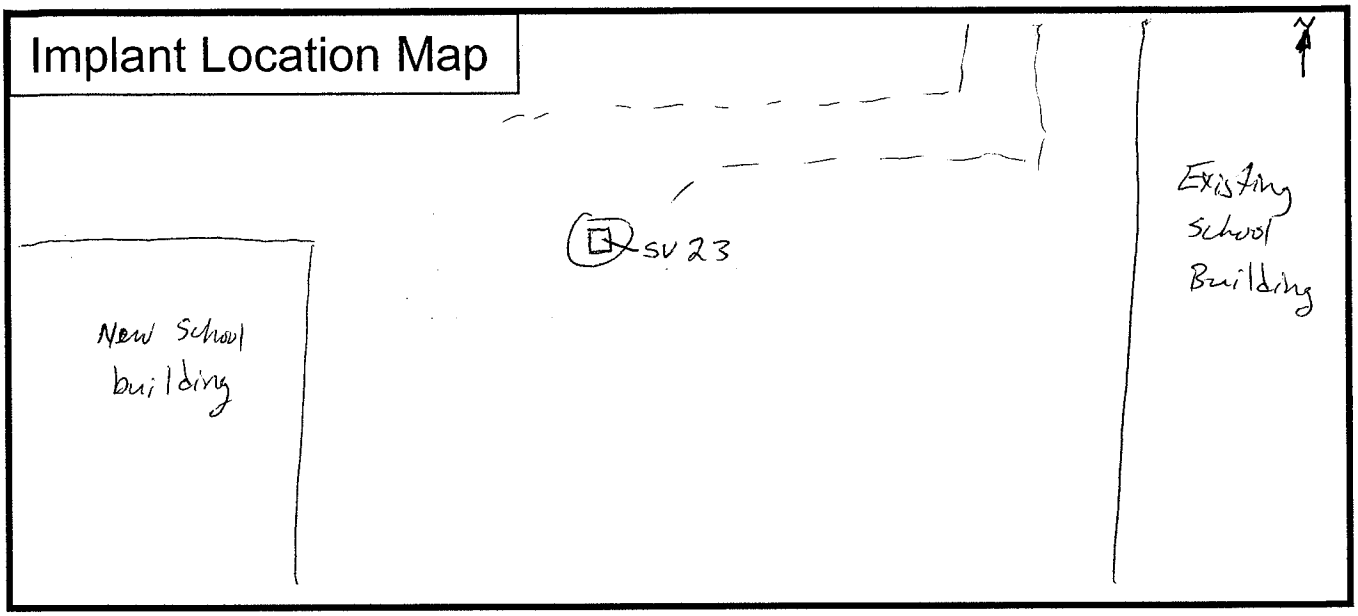
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV23

Northing N33° 27' 46.2"
~~Easting~~ W 111° 58' 51.8"

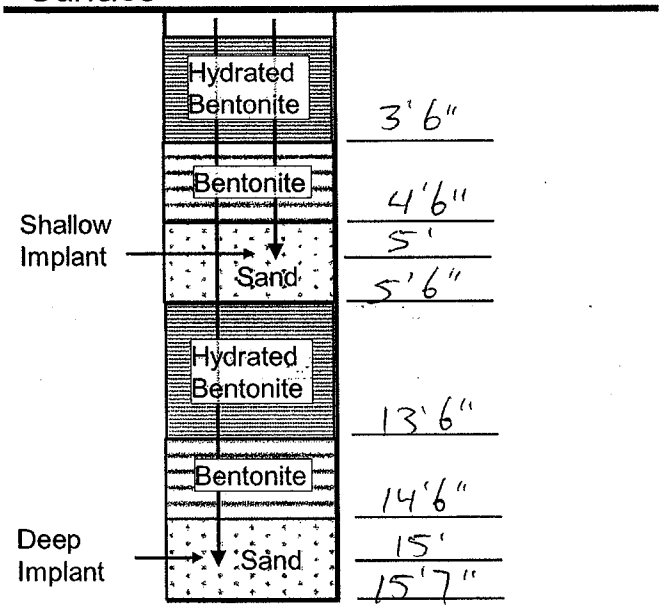
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/22/11 0800

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	356.5

Deep Implant Purge Volume

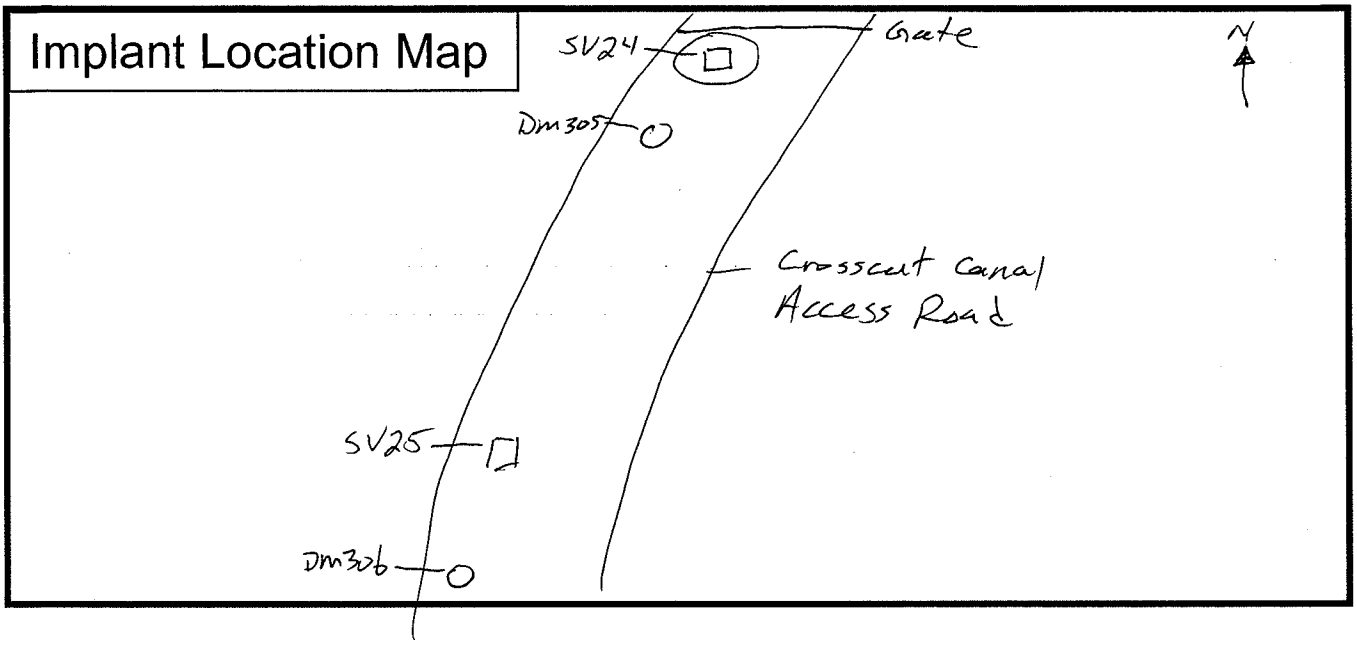
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	477.5

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV24

Northing N 38° 27' 55.2"
~~Easting~~ W 111° 58' 50.9"

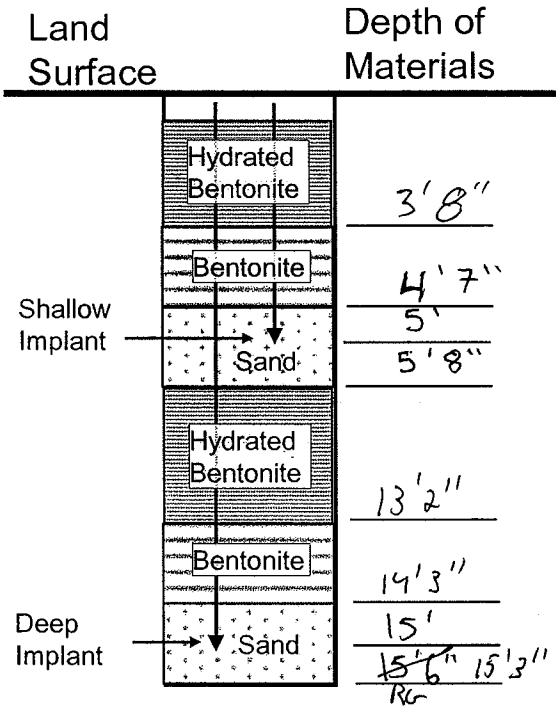
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/18/11 1300

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

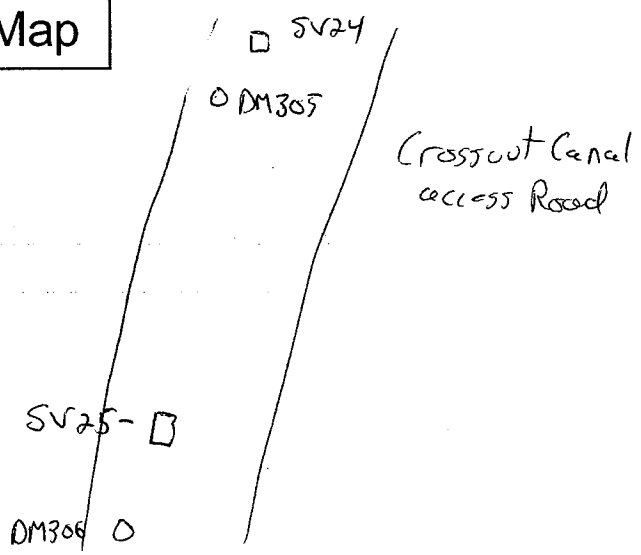
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV25

Northing N33° 27' 53.0"
~~Easting~~ W 111° 58' 53.5"

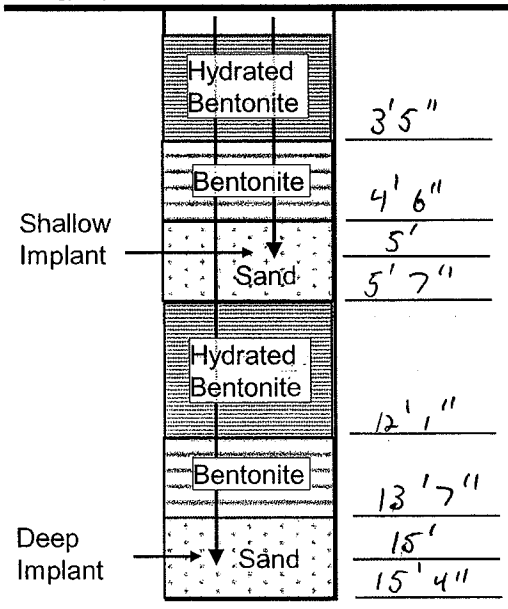
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/18/11 1200

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	1/4
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	~~516.8~~ RC 313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

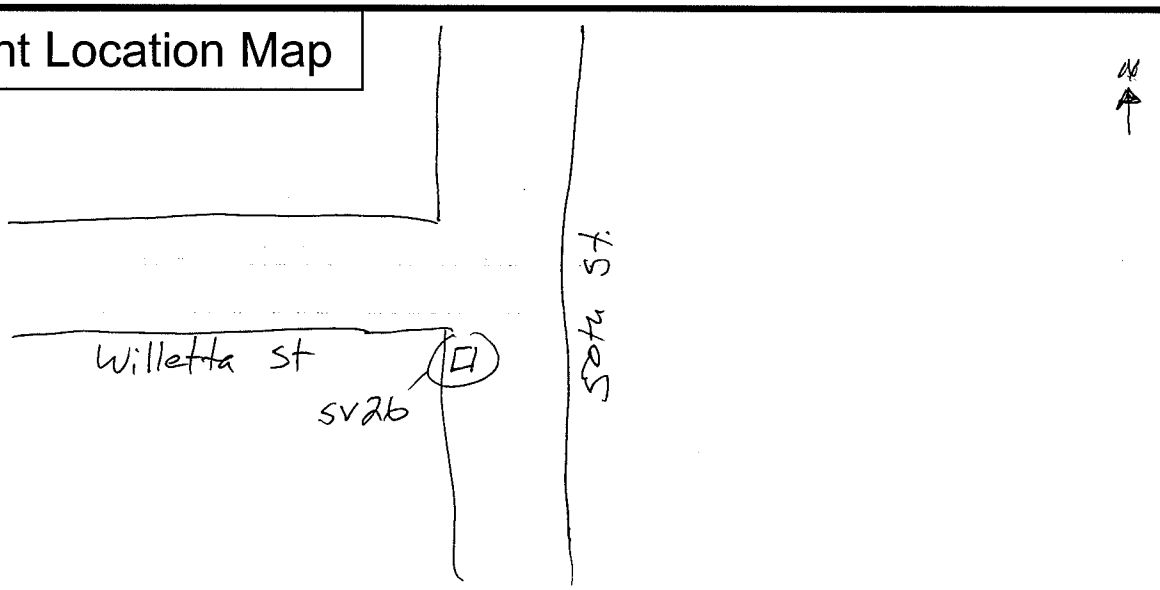
Deep Tubing Diameter (in)	1/4
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	21
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	506.5
Purge Volume of Tubing+Sandpack (ml)	670.5

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV26

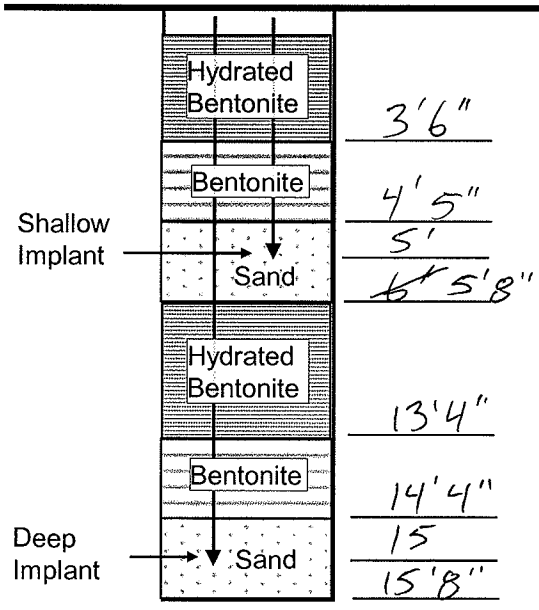
Northing N 33° 27' 45.2"
Easting W 111° 58' 28.6"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/19/11 1300
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	15
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	362
Purge Volume of Tubing+Sandpack (ml)	429.5

Deep Implant Purge Volume

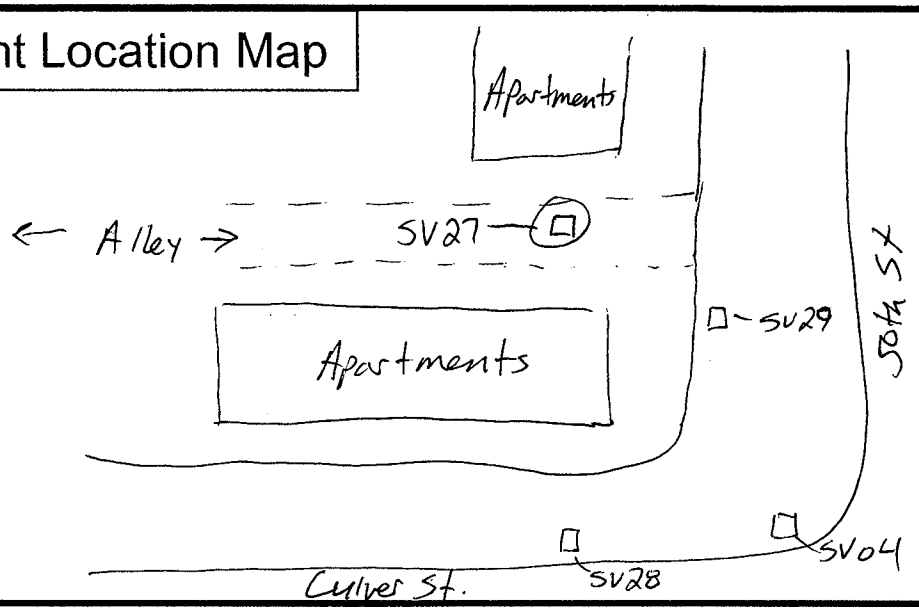
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	16
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	386
Purge Volume of Tubing+Sandpack (ml)	550

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV27

Northing N33° 27' 44.2"
Easting W111° 58' 29.3"

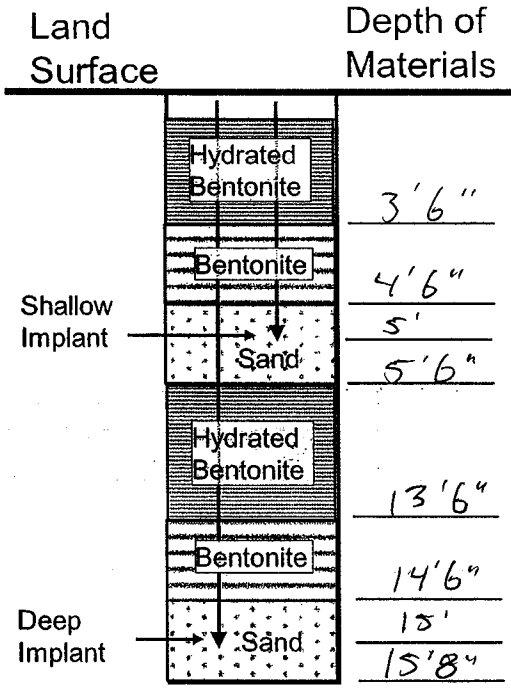
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/27/11

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}\text{-}12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	14
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	338
Purge Volume of Tubing+Sandpack (ml)	502

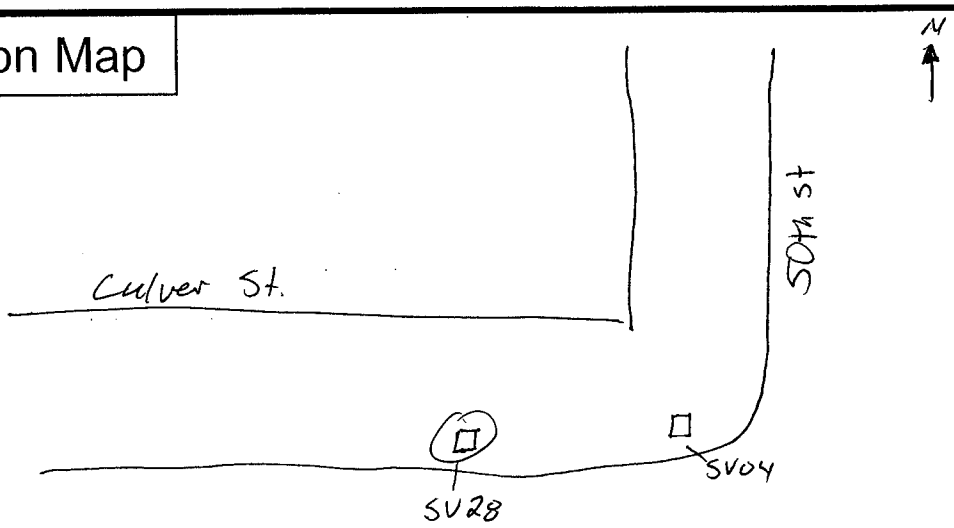
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV28

Northing N 33° 27' 42.7"

Easting W 111° 58' 29.7"

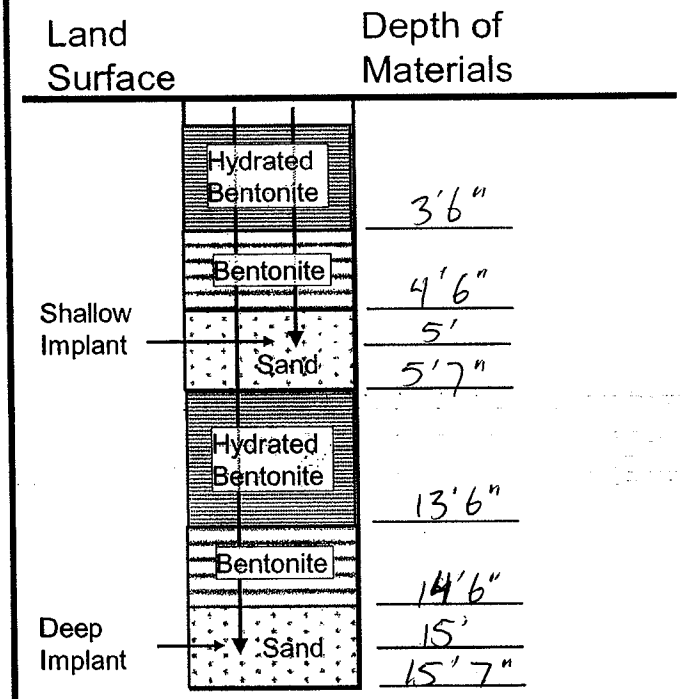
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/27/11 0835

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

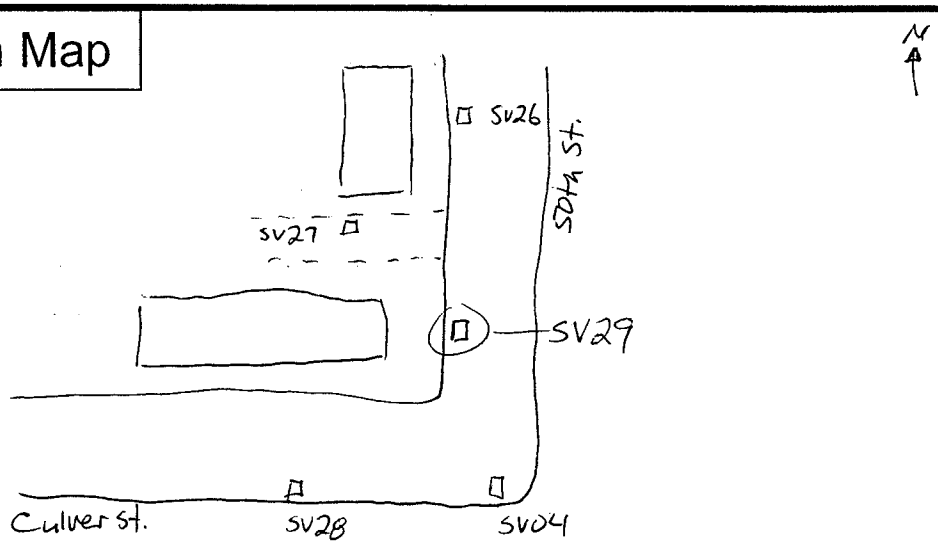
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV29

Northing N 33° 27' 43.8"
Easting W 111° 58' 28.7"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/27/11 1210
Drilling Contractor Boart Longyear

Land Surface	Depth of Materials
Hydrated Bentonite	3'6"
Bentonite	4'6"
Shallow Implant → Sand	5'
	5'7"
Hydrated Bentonite	13'6"
Bentonite	14'6"
Deep Implant → Sand	15'
	15'7"

Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	13
Purge Volume of Tubing (ml)	62.5
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	381

Deep Implant Purge Volume

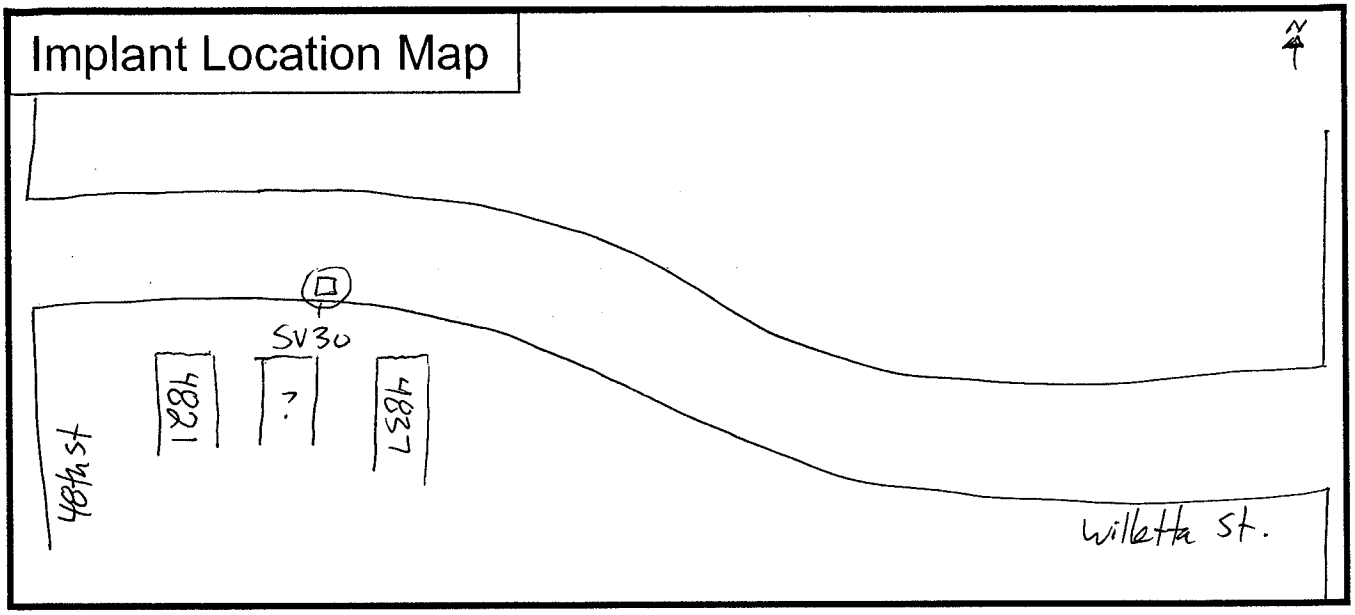
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV30

Northing N 33° 27' 47.9"
Easting W 111° 58' 37.2"

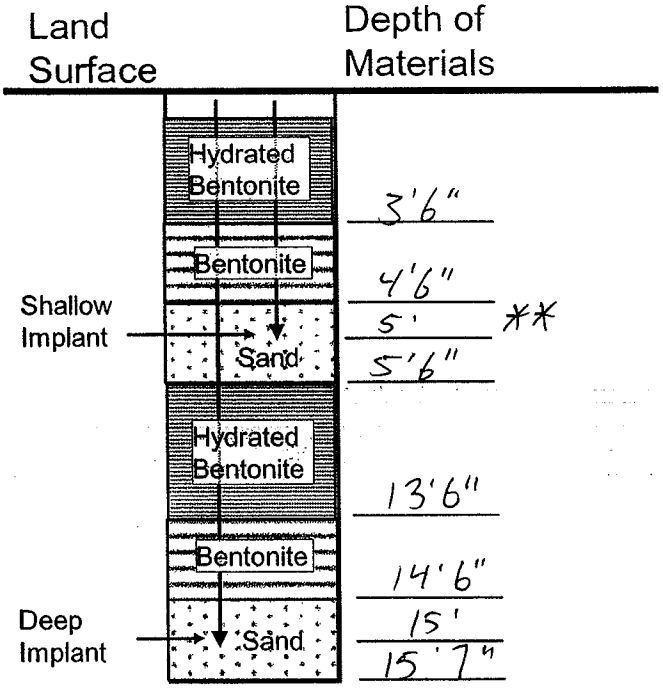
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/28/11 0830

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289 *** 434
Purge Volume of Tubing+Sandpack (ml)	~~357~~ 502

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

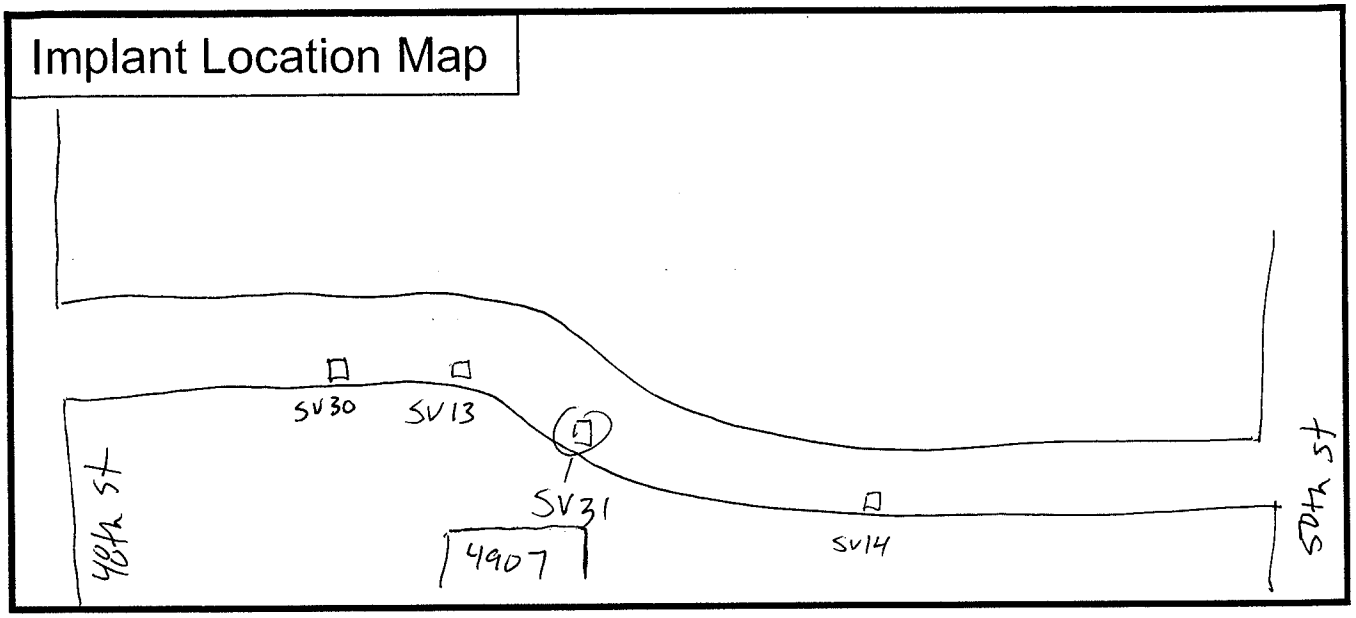
** ~1.5X usual vol. of sand and 2X usual vol. of bentonite chips were required to fill borehole to depth - Suggests a void in annulus?

*** Because of extra sand the purge volume of sand was increased by 1.5.

Soil Gas Implant ID SV31

Northing N 33° 27' 47.0"
Easting W 111° 58' 34.8"

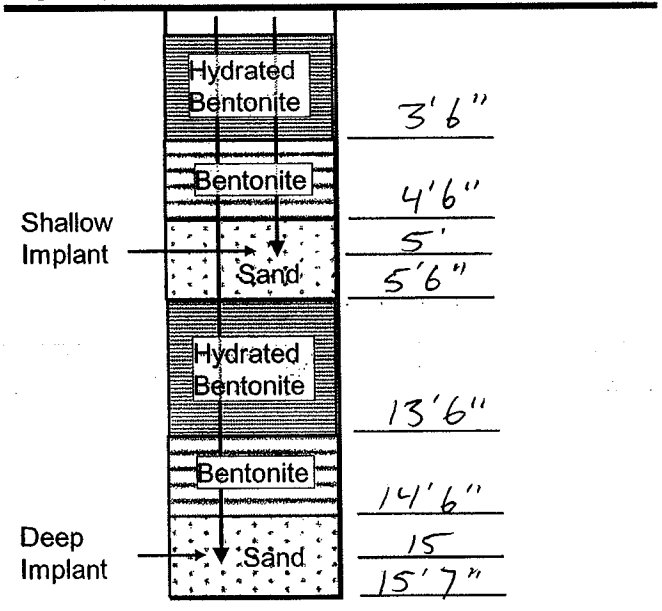
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/28/11 1000

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

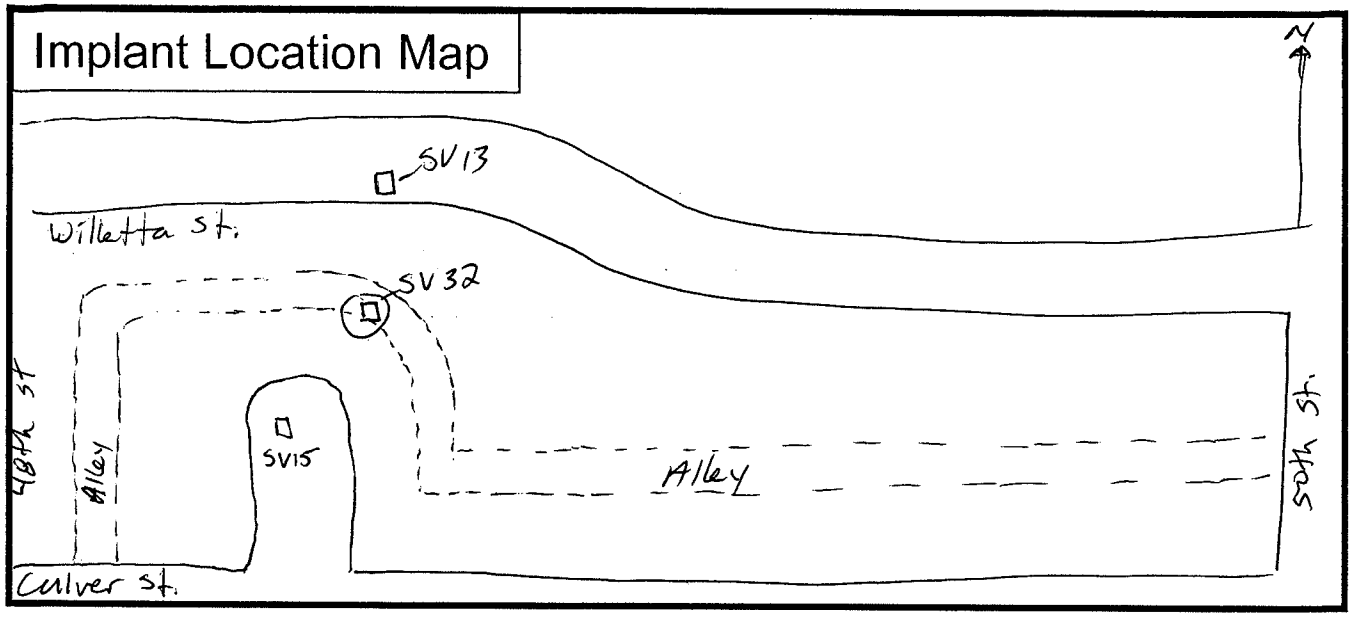
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV32

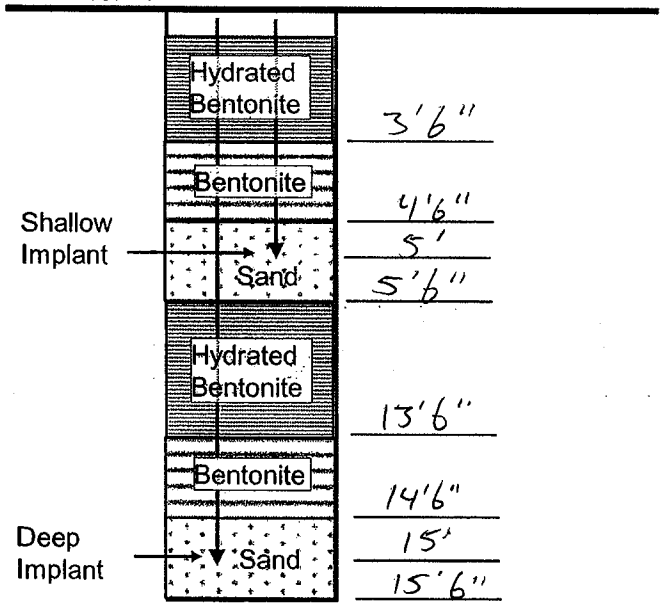
Northing N 38° 27' 46.4"
Easting W 111° 58' 36.6"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/28/11 1130
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}-12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

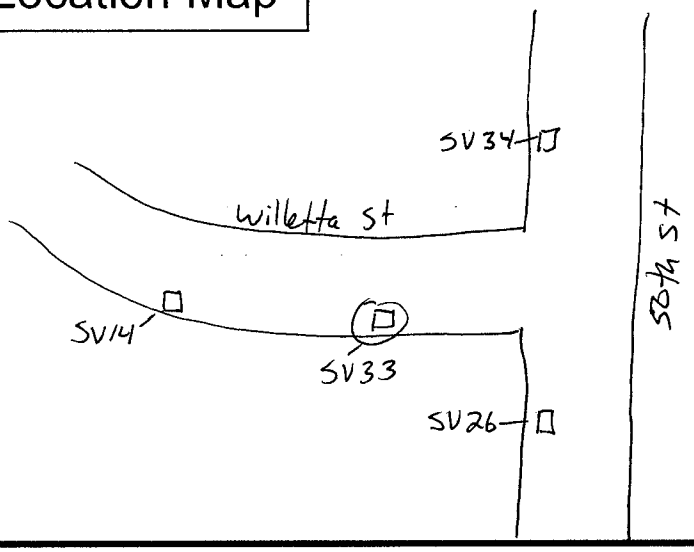
Deep Tubing Diameter (in)	125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV 33

Northing N 33° 27' 45.8"
Easting W 111° 58' 29.9"

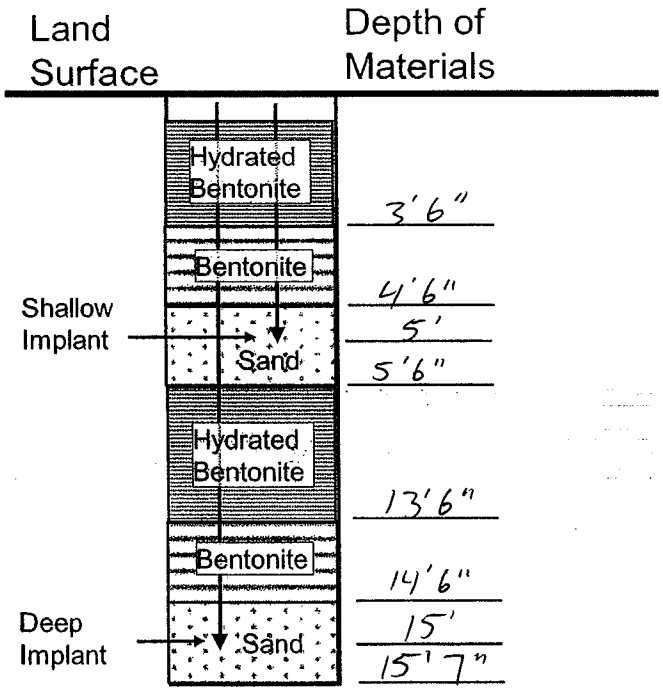
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/27/11

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

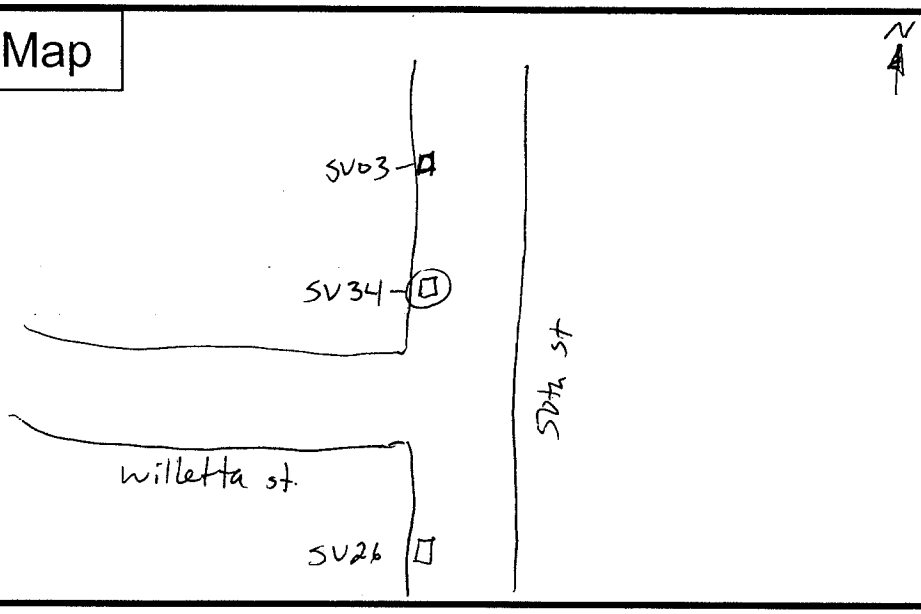
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV34

Northing N33° 27' 46.7"

Easting W111° 58' 28.7"

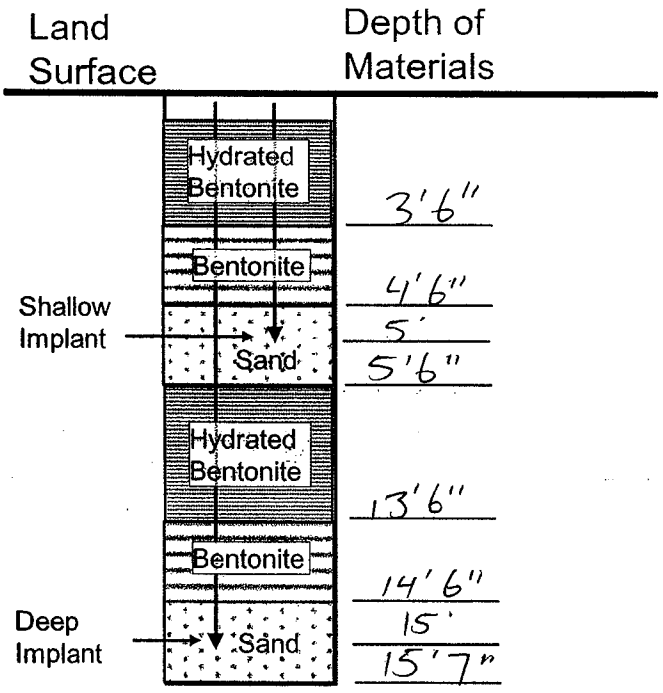
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/27/11 1430

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

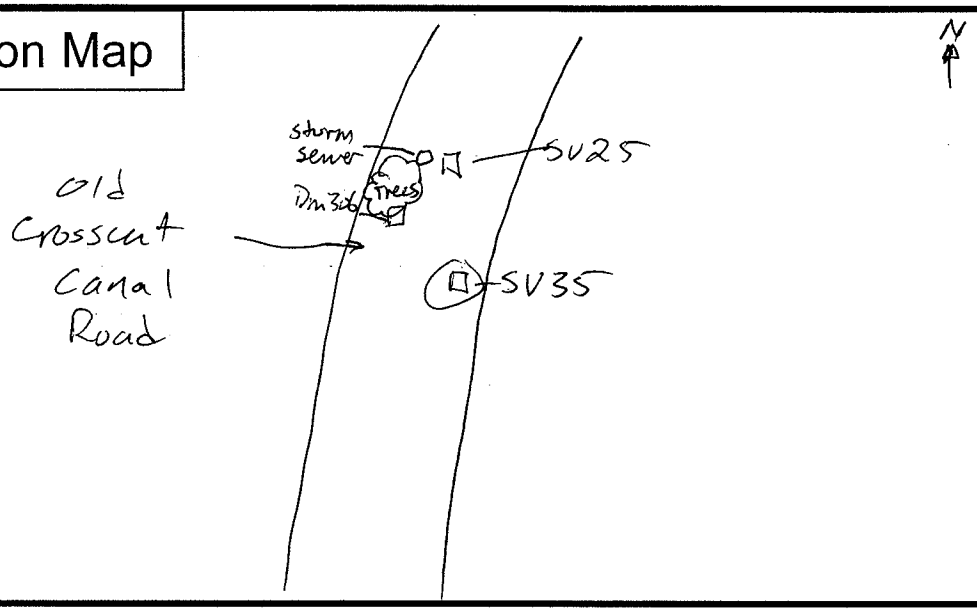
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV35

Northing N 33° 27' 52.7"
Easting W 111° 58' 54.0"

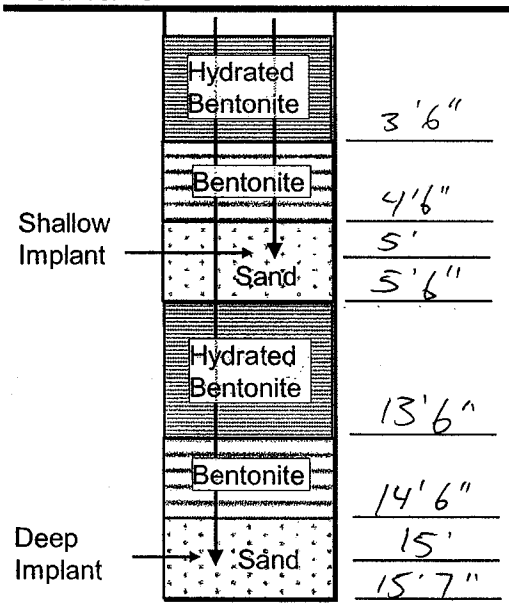
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/26/11 0930

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

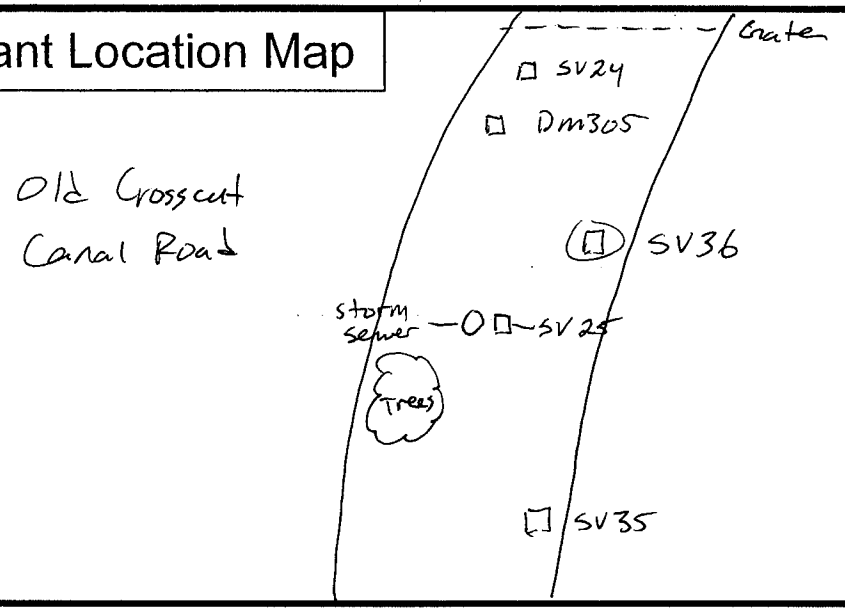
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV36

Northing N33° 27' 54.3"
Easting W111° 58' 52.1"

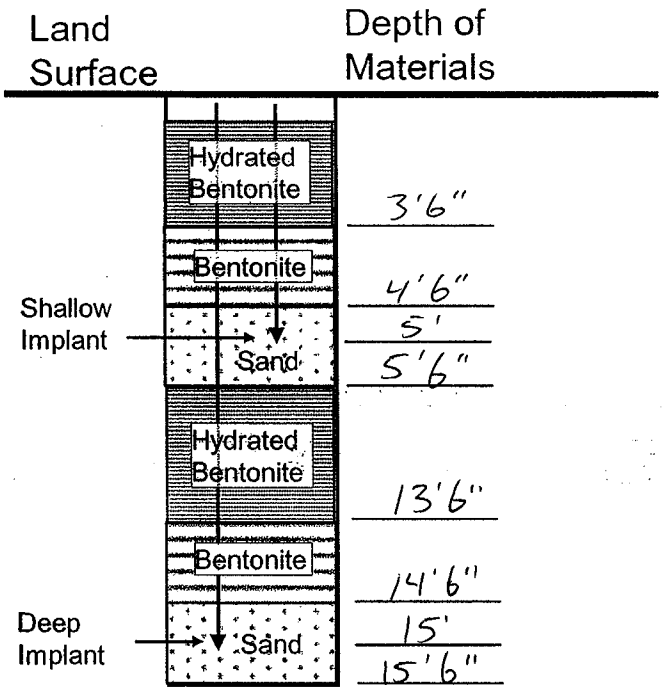
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/26/11

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

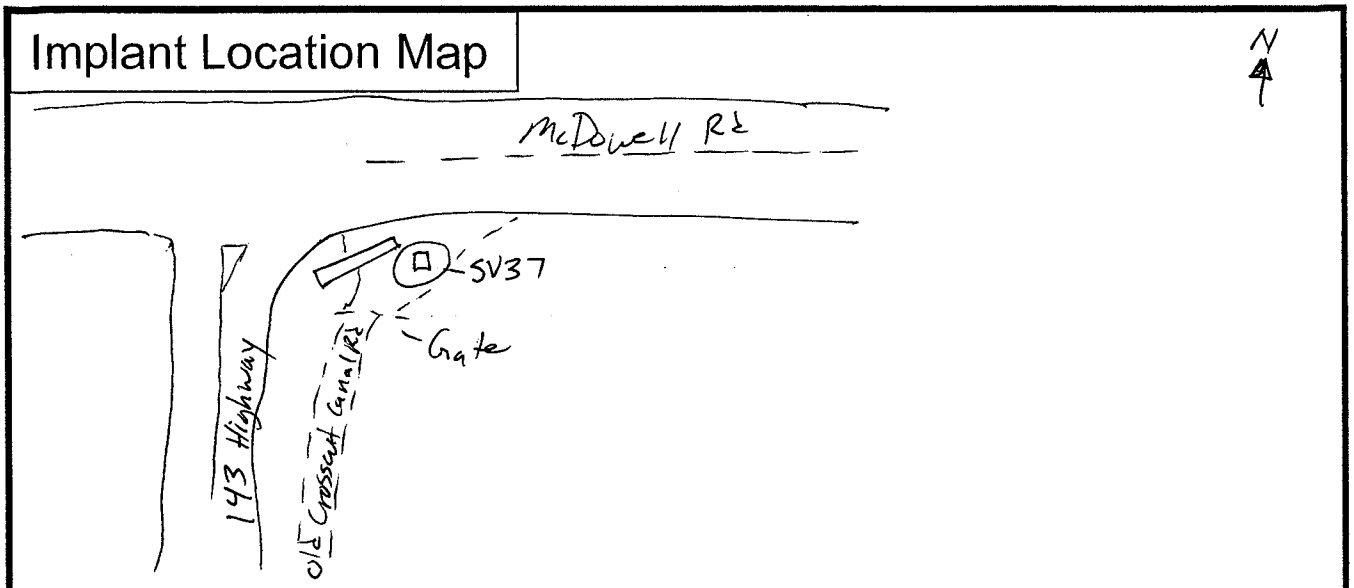
Deep Tubing Diameter (in)	1.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV37

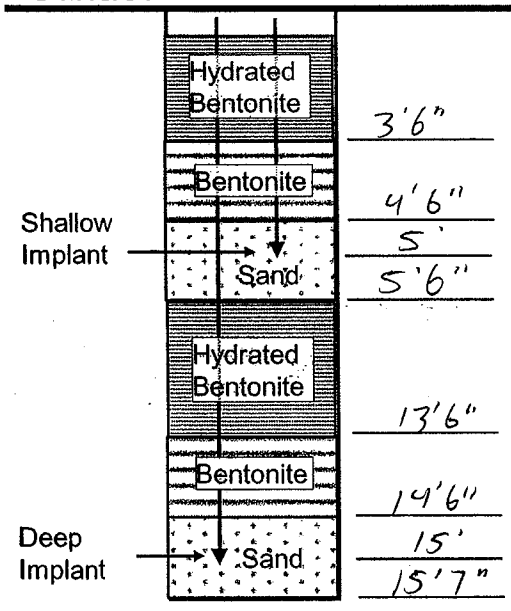
Northing N33° 27' 55.5"
Easting W111° 58' 50.2"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/28/11 1350
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

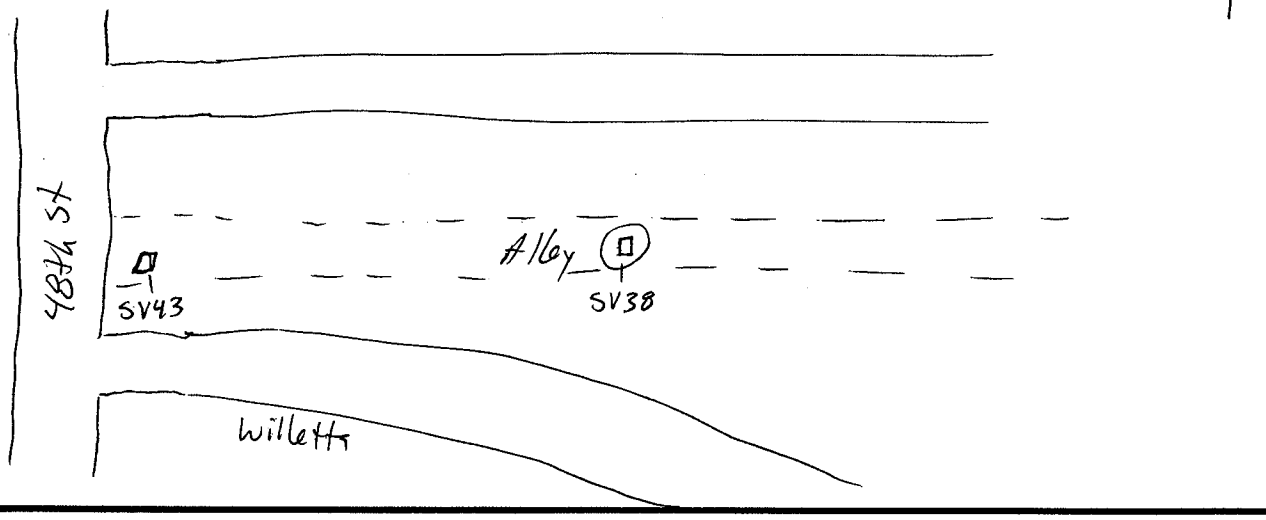
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV38

Northing N 33° 27' 49.6"
Easting W 111° 58' 35.1"

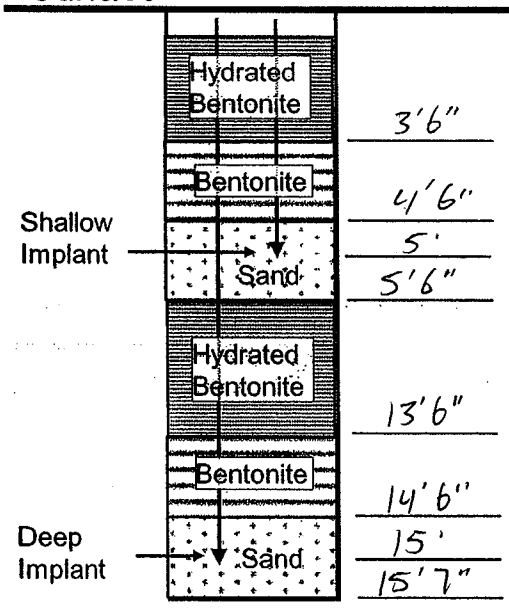
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/29/11 1345

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}*12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

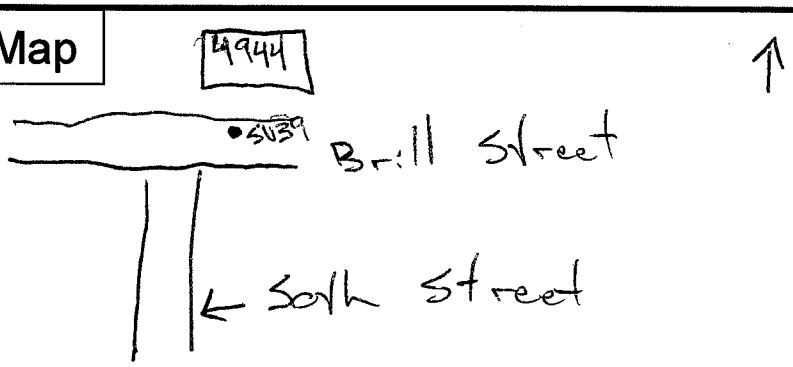
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

#41 neighbors work at night 62
please Drill in the afternoon

Soil Gas Implant ID SV-39

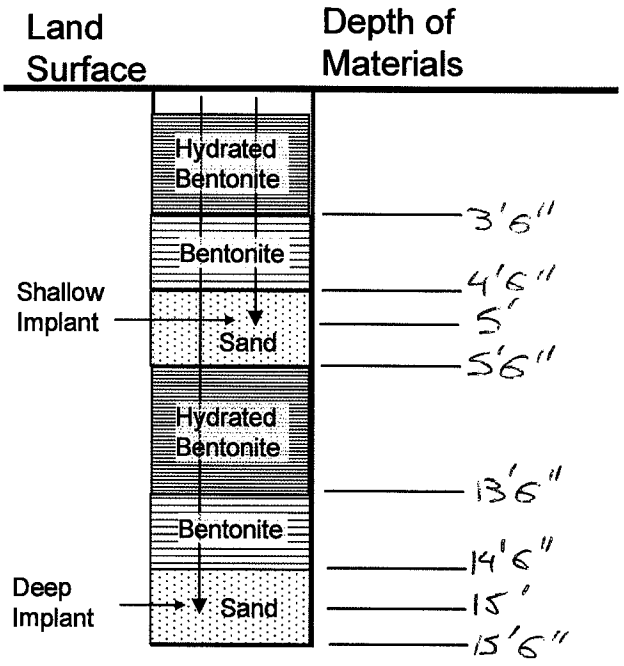
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/10/11 0945

Drilling Contractor Boart Longyear



Purge Volume Calculation

Purge Volume = $(r_{tube}^2 * 3.14 * L_{tube} + r_{borehole}^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (in)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (in)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume (ml)	453

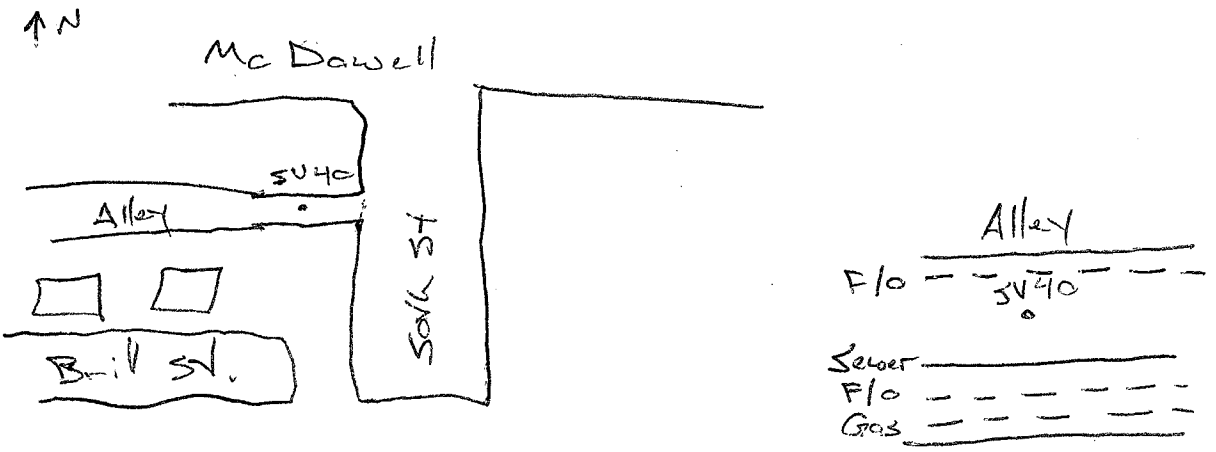
CLEAR CREEK ASSOCIATES

Jordan

~~Triplicate~~

Soil Gas Implant ID SV40 ~~55, 47, 51, 54, 69, 42~~

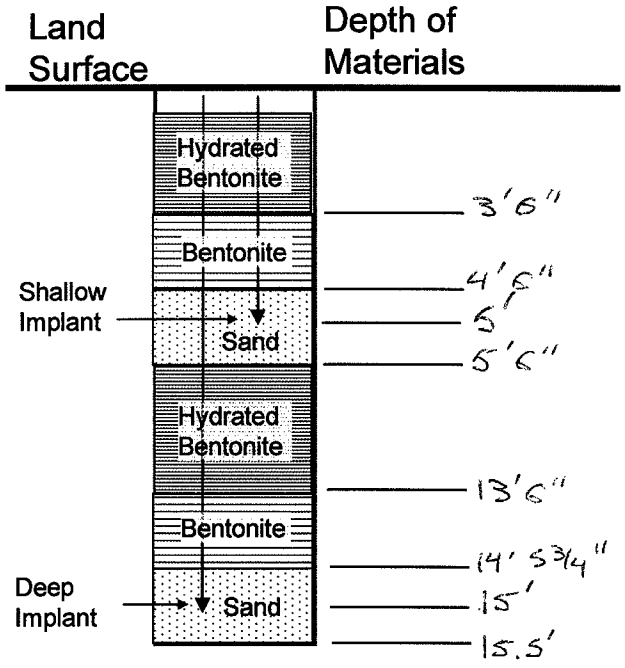
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/10/11

Drilling Contractor Boart Longyear



Purge Volume Calculation

Purge Volume = (r_{tube}^2 * 3.14 * L_{tube} + $r_{borehole}^2$ * 3.14 * $H_{sandpack}$ * 0.3) * 16.3866

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (in)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume (ml)	357

Deep Implant Purge Volume

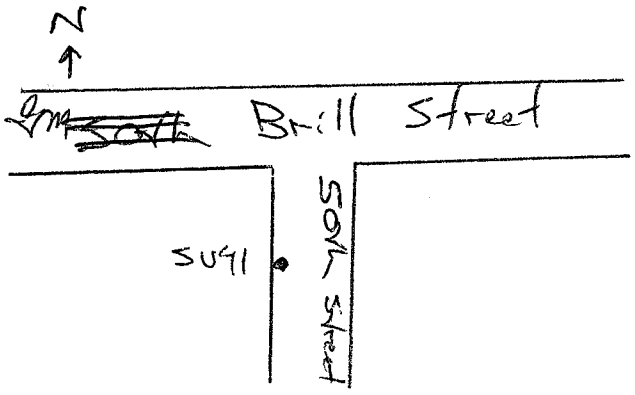
Deep Tubing Diameter (in)	1.25
Length of Deep Tubing (in)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.25
Purge Volume (ml)	459

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV41

Northing N33° 27' 50.1"
Easting W111° 58' 28.7"

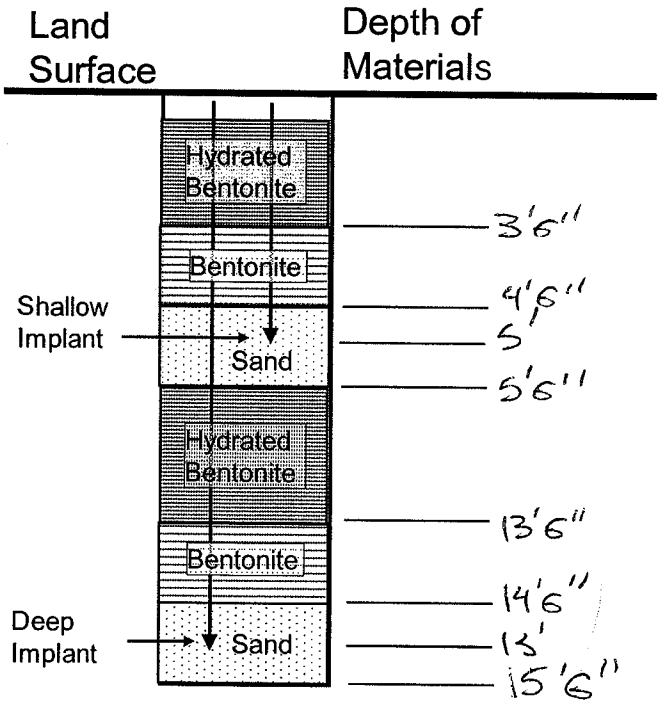
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/12/11 1436

Drilling Contractor Board Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

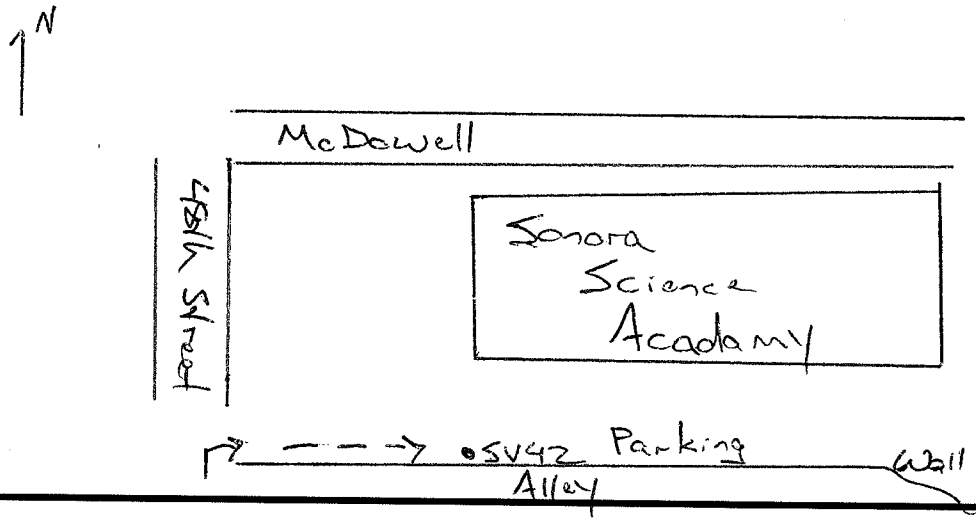
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV42

Northing N 33° 27' 53.1"
Easting W 111° 58' 39.6"

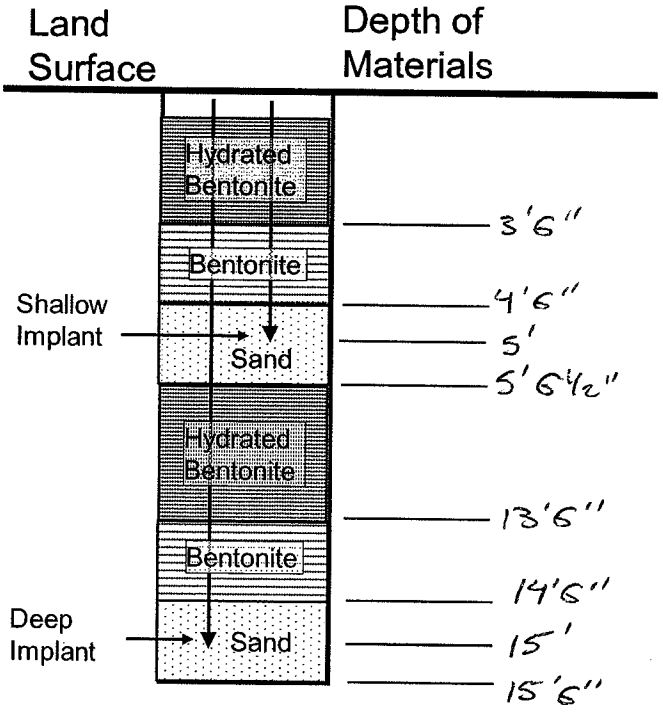
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/12/11 1618

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12.5
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	301
Purge Volume of Tubing+Sandpack (ml)	369

Deep Implant Purge Volume

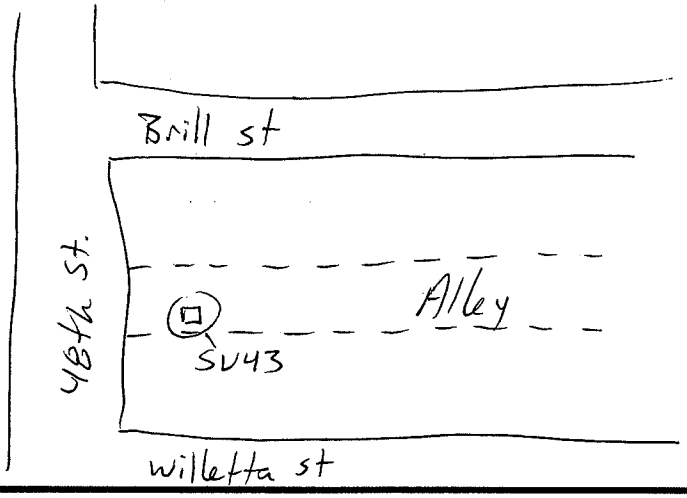
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV43

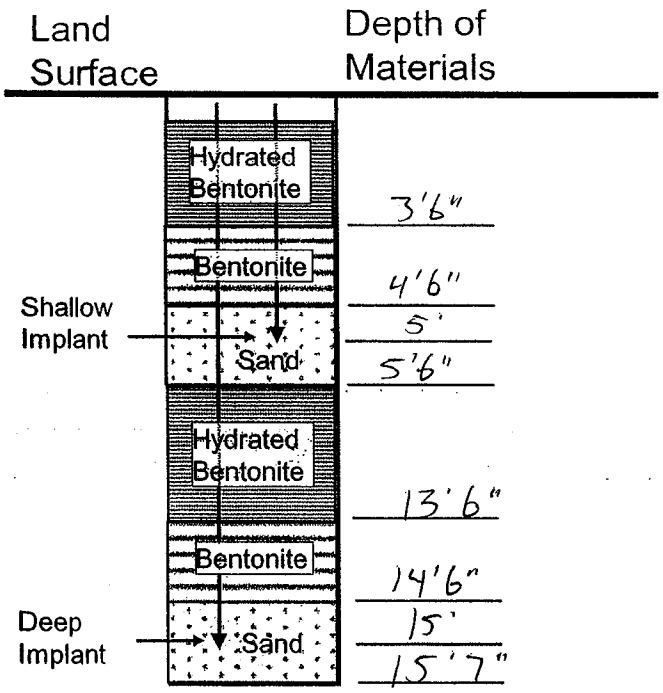
Northing N 33° 27' 49.5"
Easting W 111° 58' 41.5"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/29/11 1245
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

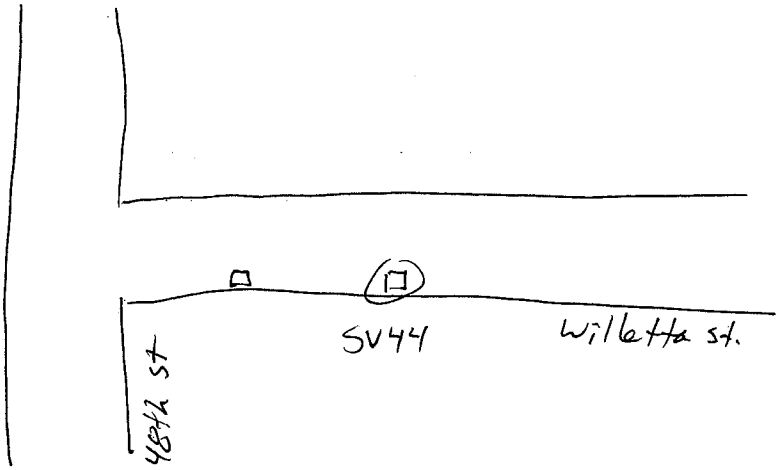
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV44

Northing N 33° 27' 48.3"
Easting W 111° 58' 39.3"

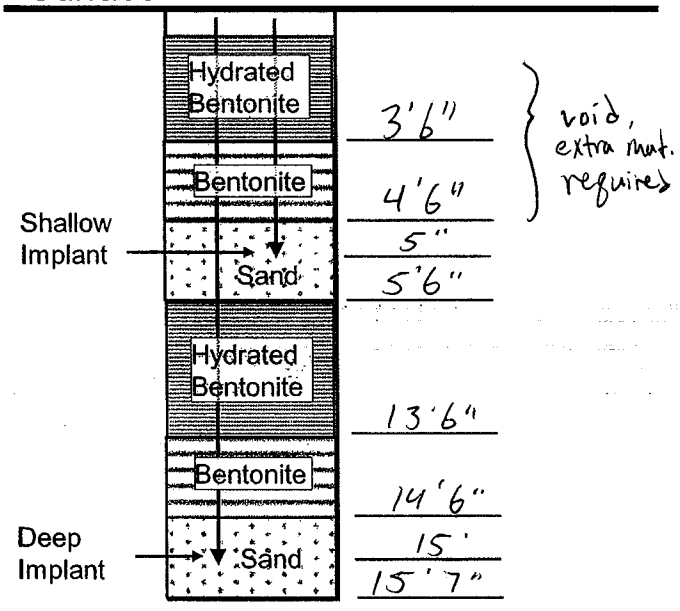
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/29/11 0830

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

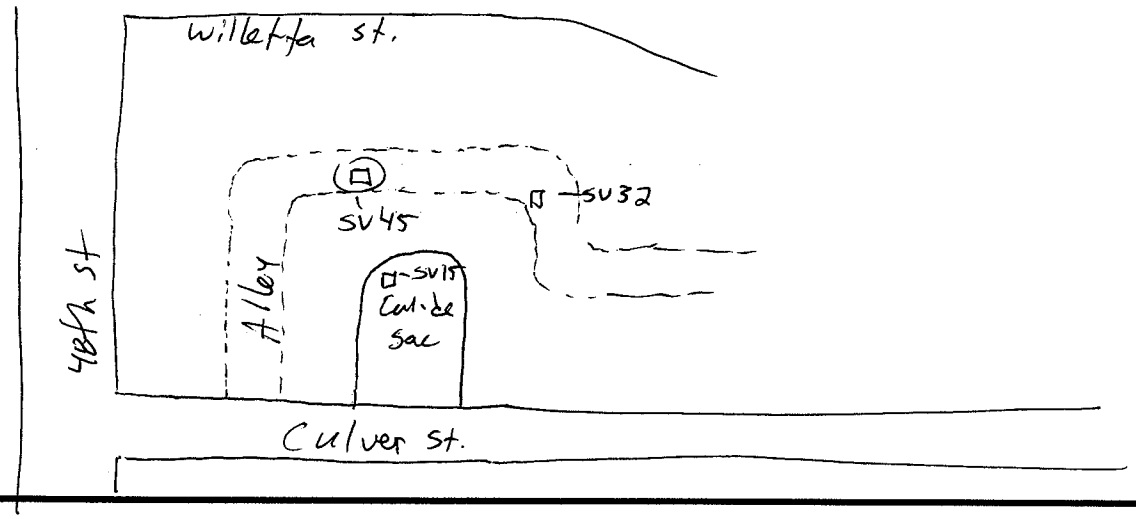
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	1.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV45

Northing N 38° 27' 46.5"
Easting W 111° 58' 39.7"

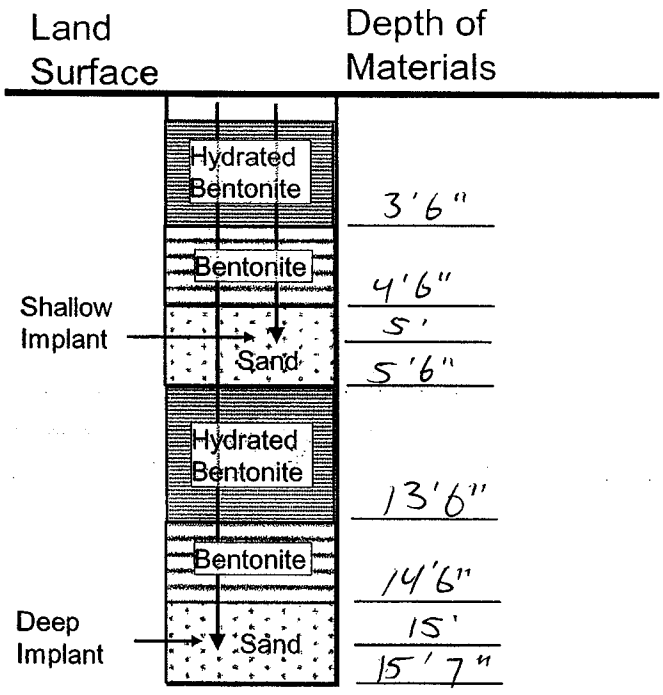
Implant Location Map



Implant As-built Diagram

Date/Time Installed 4/29/11 1030

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

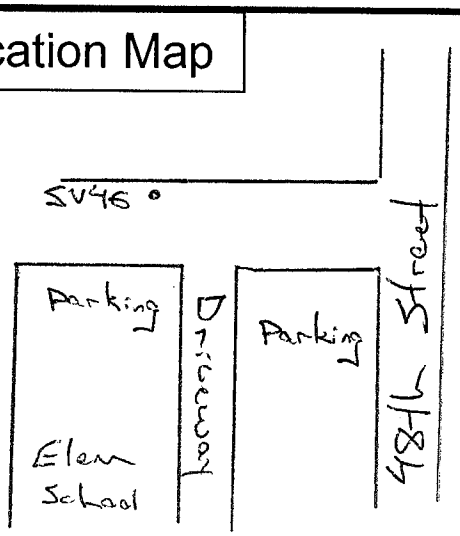
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313.5
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV46

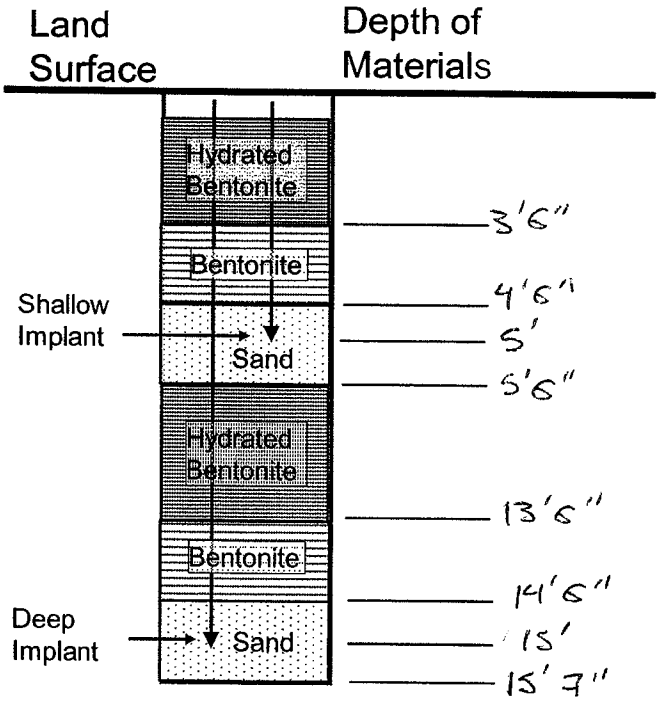
Northing N 38° 27' 49.7"
Easting W 111° 58' 45.2"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/13/11 1532
Drilling Contractor Board Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

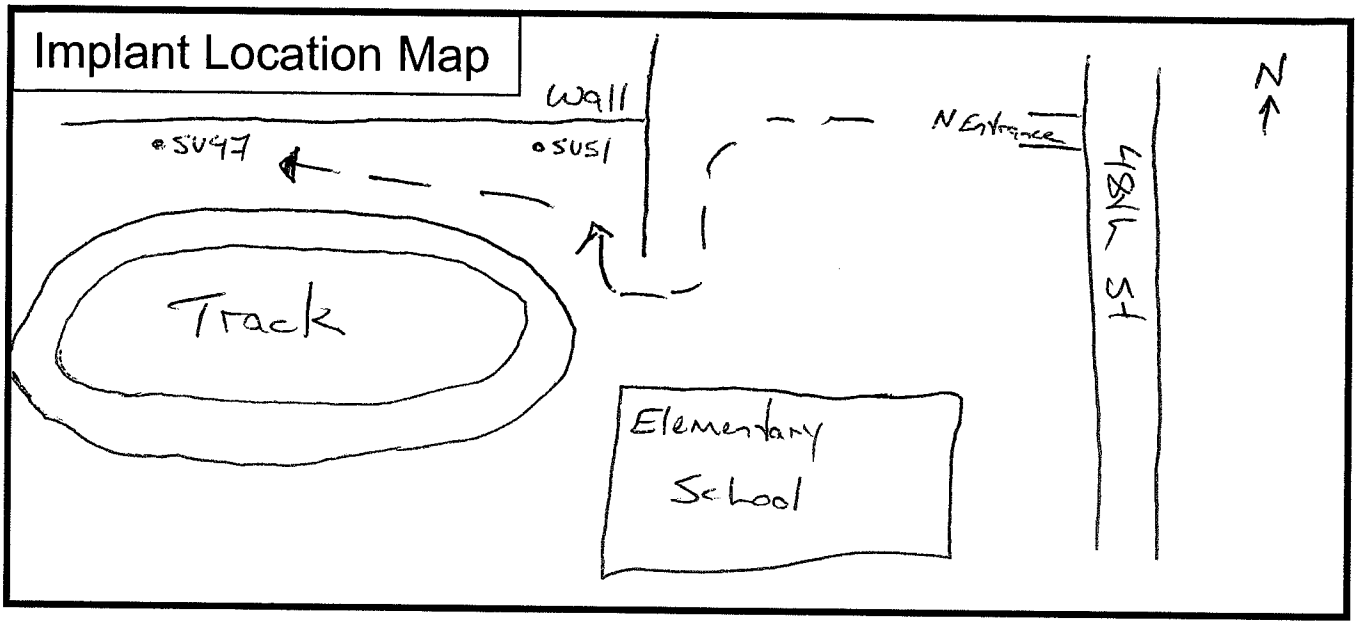
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV47

Northing N 33° 27' 50.6"
Easting W 111° 58' 52.0"

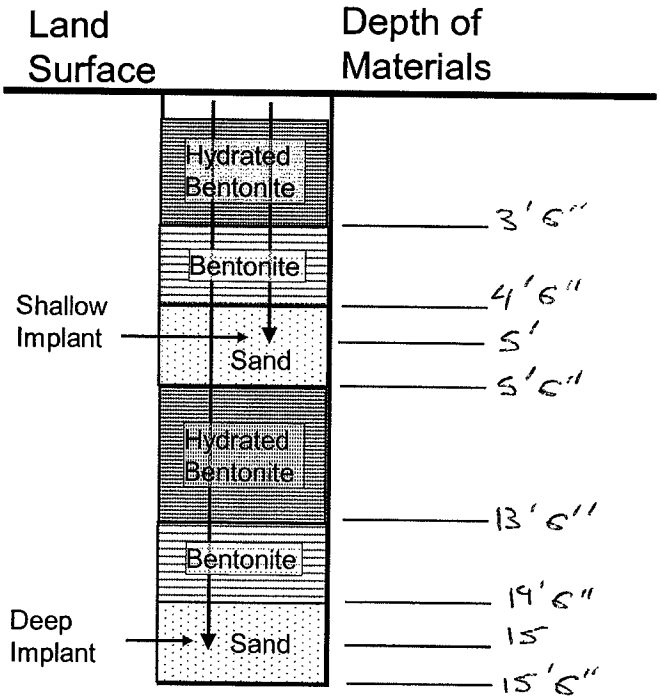
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/11/11 1605

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

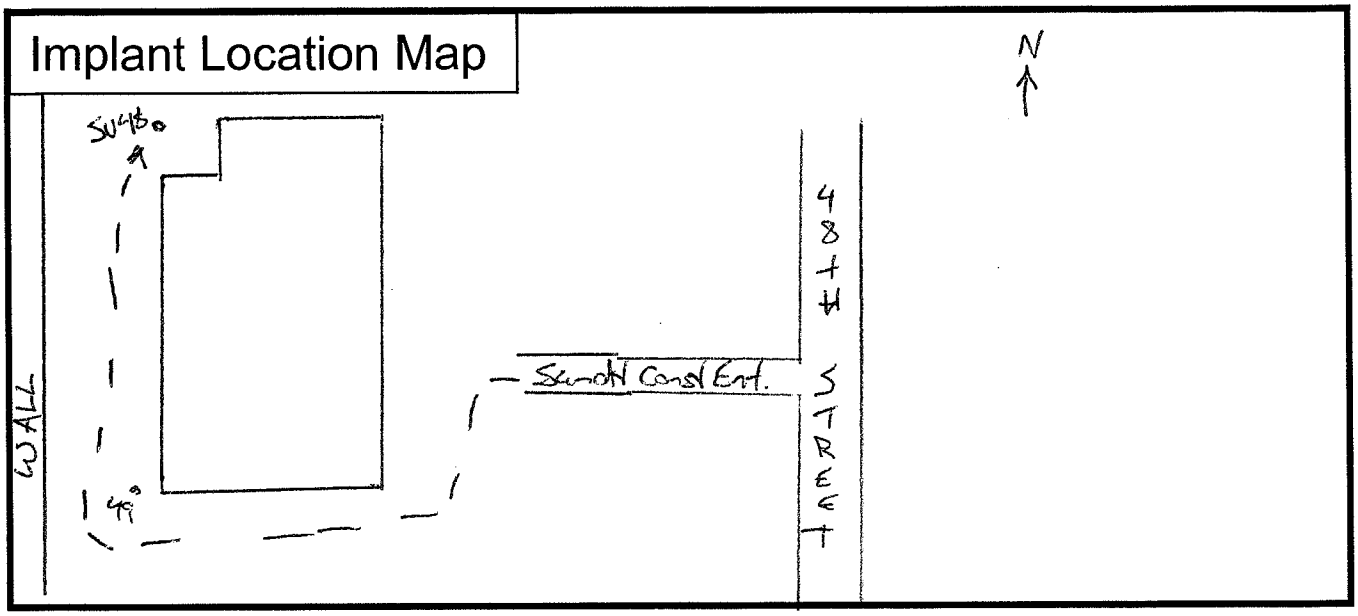
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV48

Northing N33° 27' 46.0"
Easting W117° 58' 55.0"

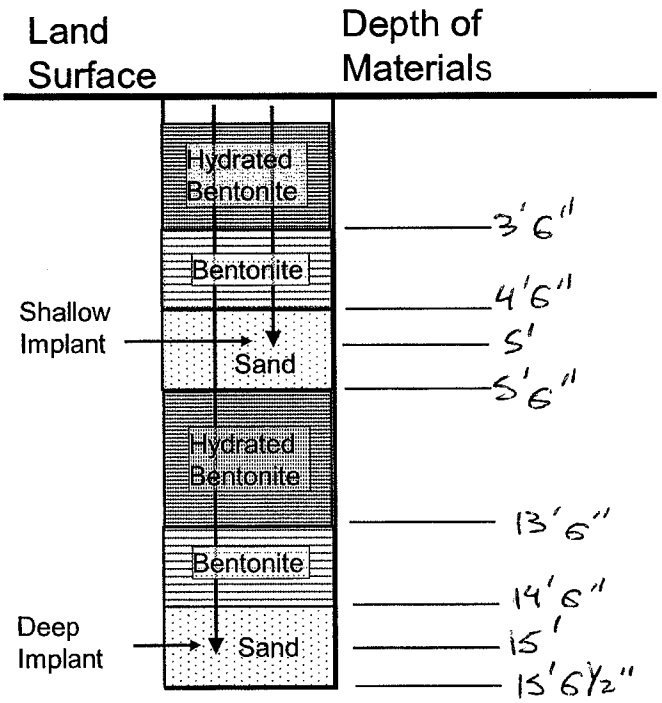
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/12/11 1238

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	62.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

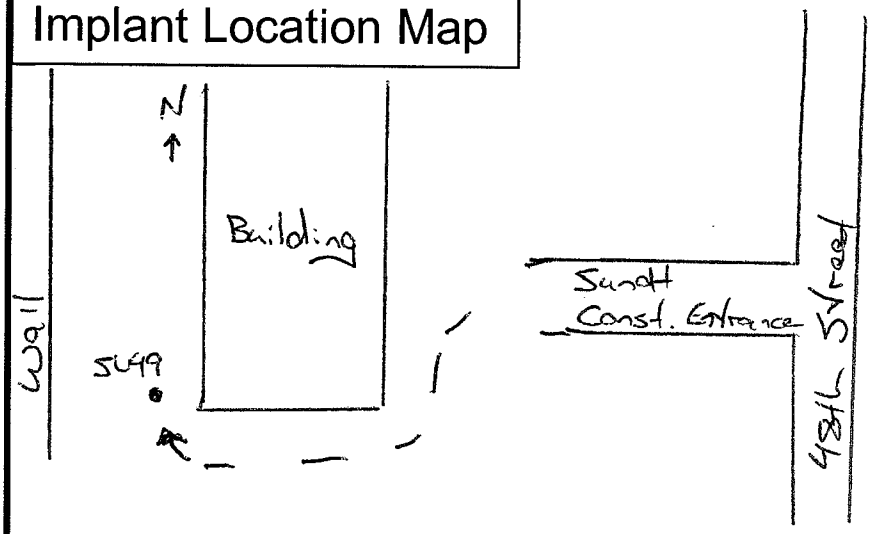
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.5
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	301
Purge Volume of Tubing+Sandpack (ml)	465

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV49

Northing N38° 27' 43.7"
Easting W111° 58' 55.0"

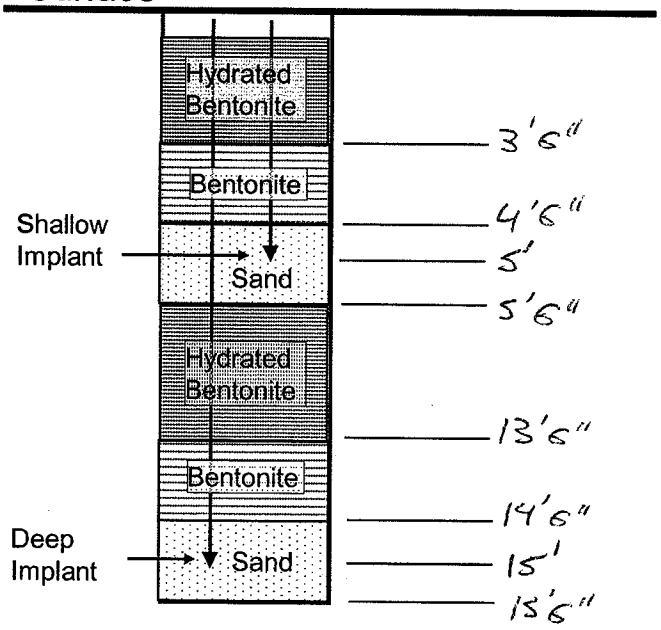
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/12/11 1030

Drilling Contractor Board Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	284
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

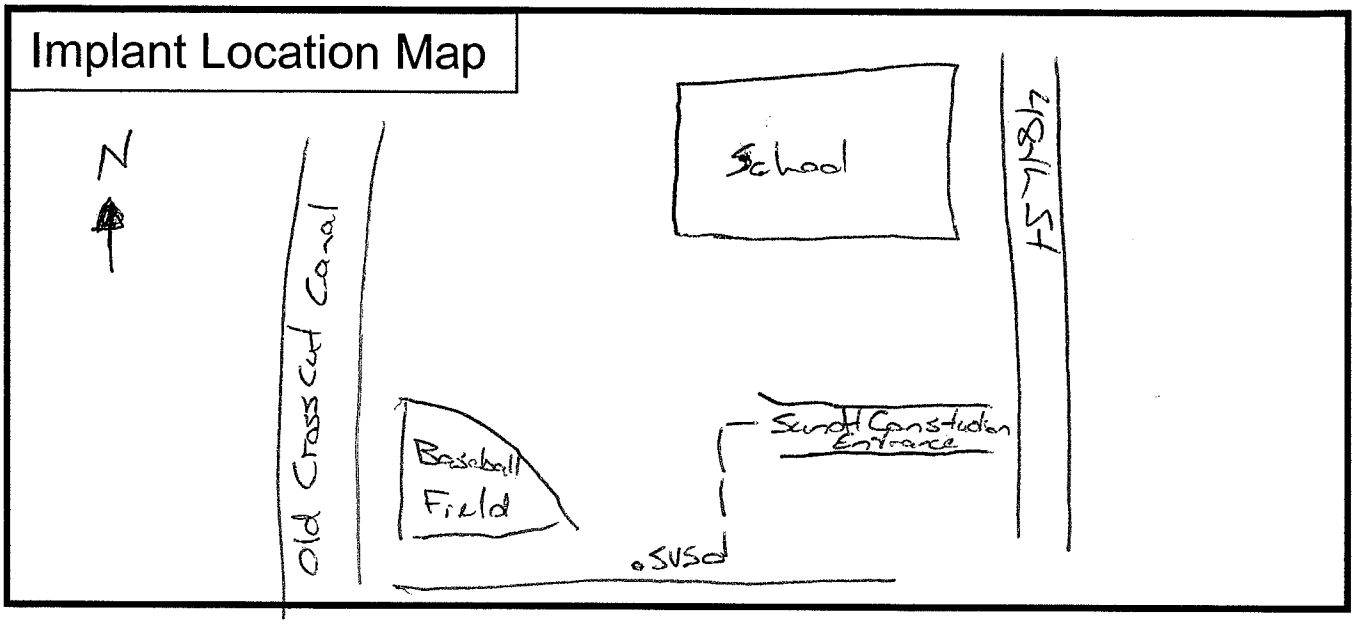
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV50

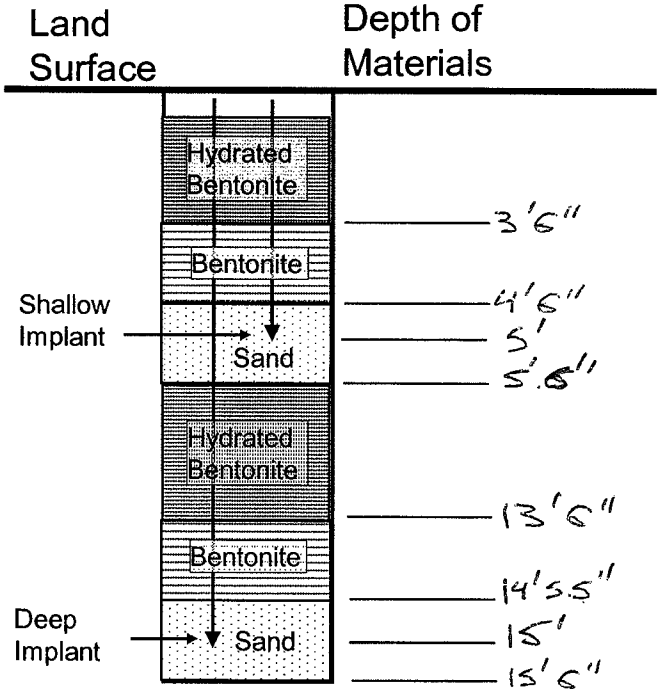
Northing N 33° 27' 39.6"
Easting W 111° 58' 53.2"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/10/11 13:57
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

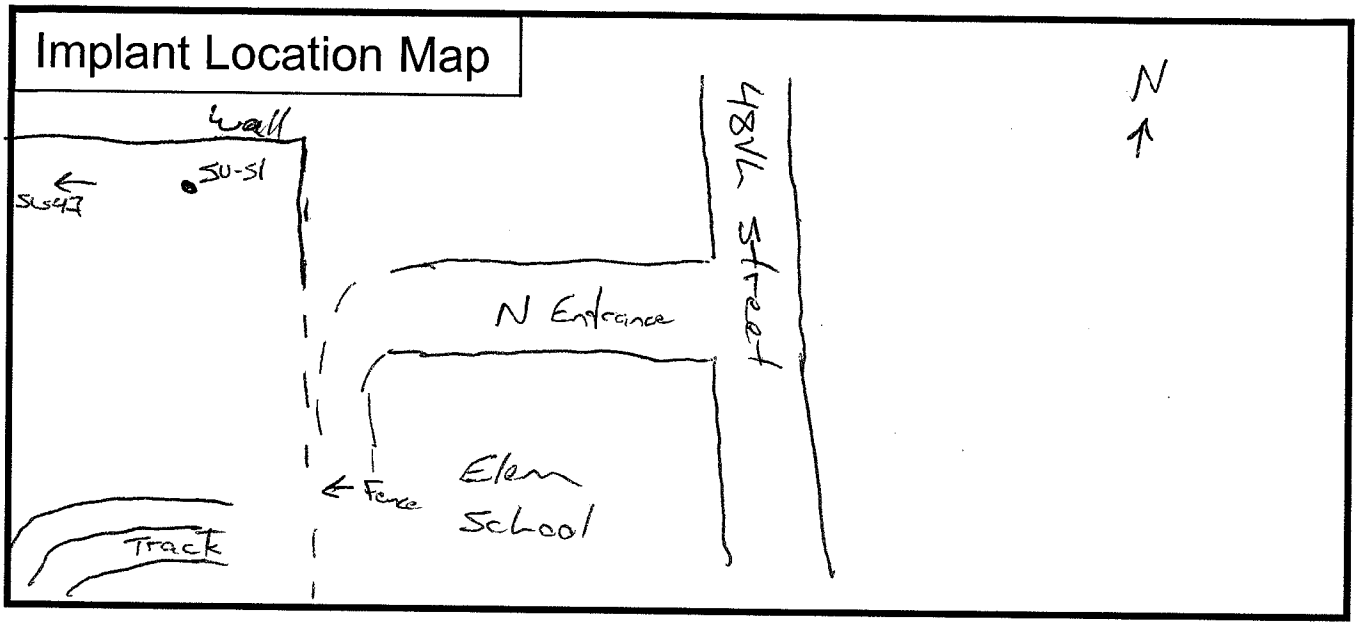
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.5
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	301
Purge Volume of Tubing+Sandpack (ml)	465

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SU-S1

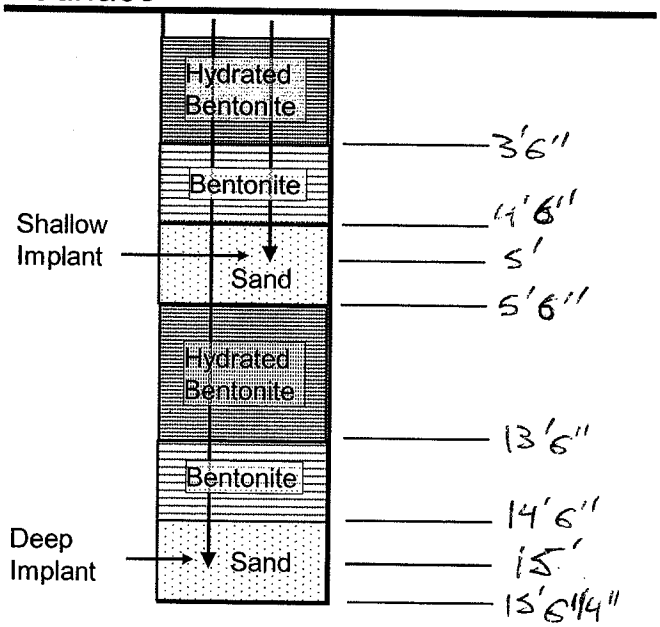
Northing N 38° 27' 50.8"
Easting W 14° 58' 49.3"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/11/11 1456
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

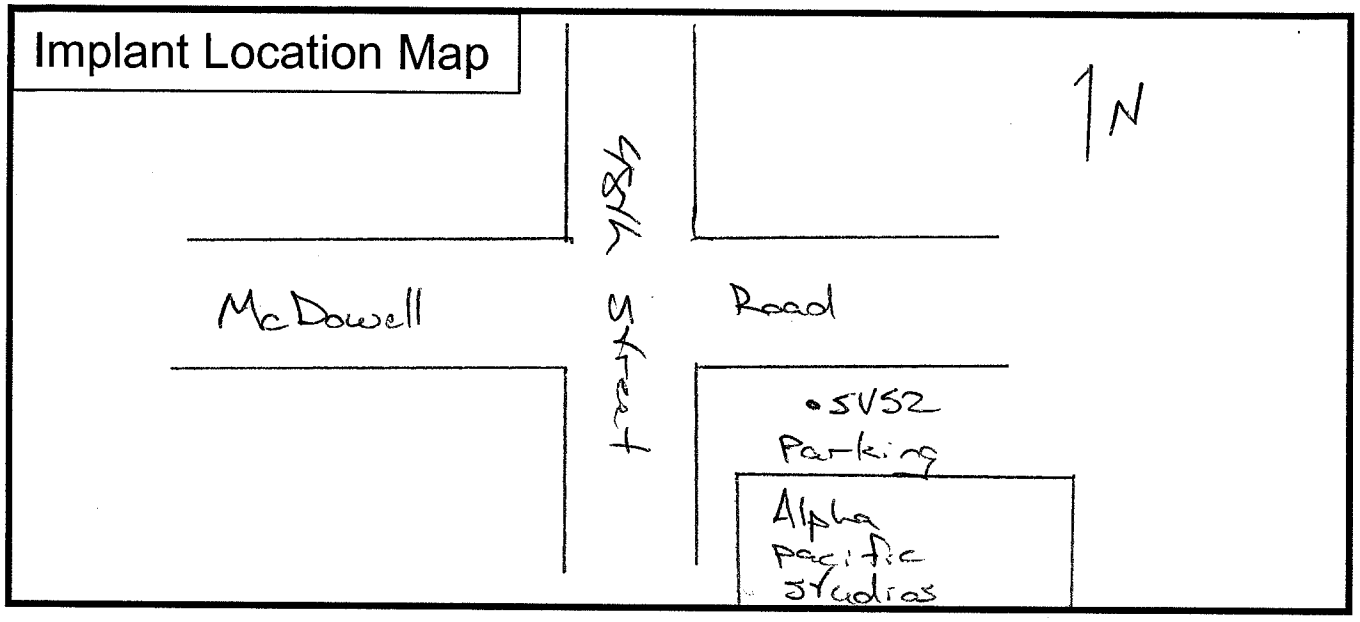
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.25
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	295
Purge Volume of Tubing+Sandpack (ml)	459

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SVS2

Northing N33° 27' 55.4"
Easting W111° 58' 41.9"

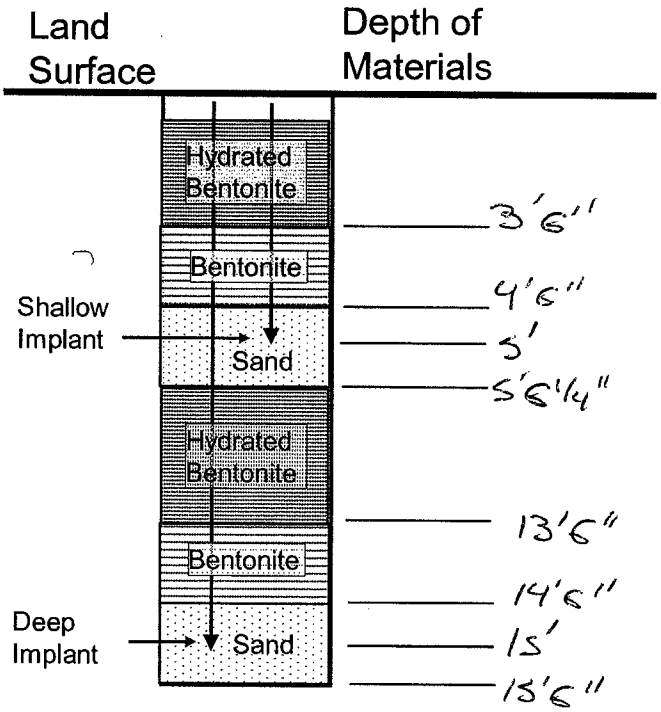
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/18/11 1442

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}*12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12.25
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	295.5
Purge Volume of Tubing+Sandpack (ml)	363

Deep Implant Purge Volume

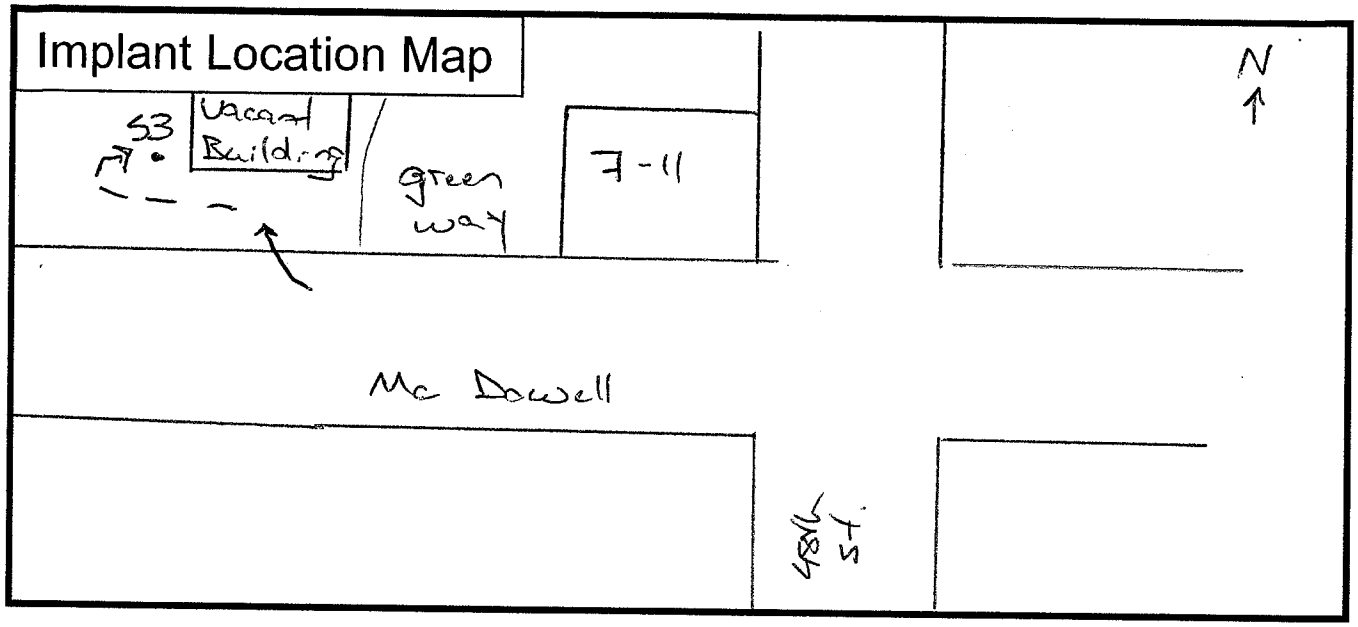
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SO53

Northing N38° 27' 57.8"
Easting W111° 58' 50.1"

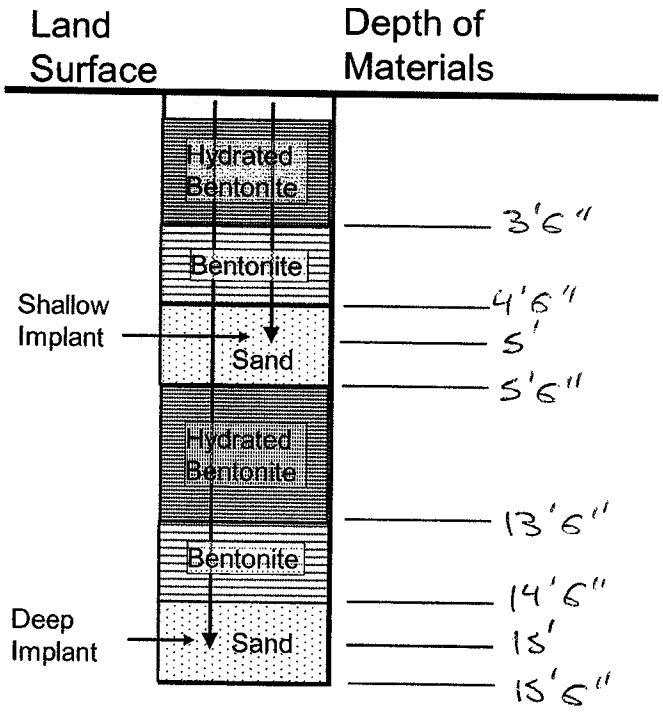
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/18/11 1210

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

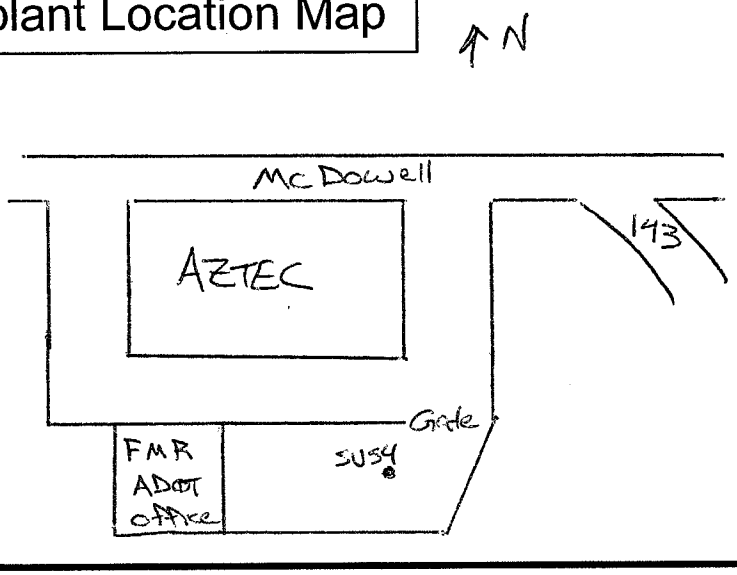
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SUS4

Northing N 33° 27' 53.1"
Easting W 111° 58' 56.1"

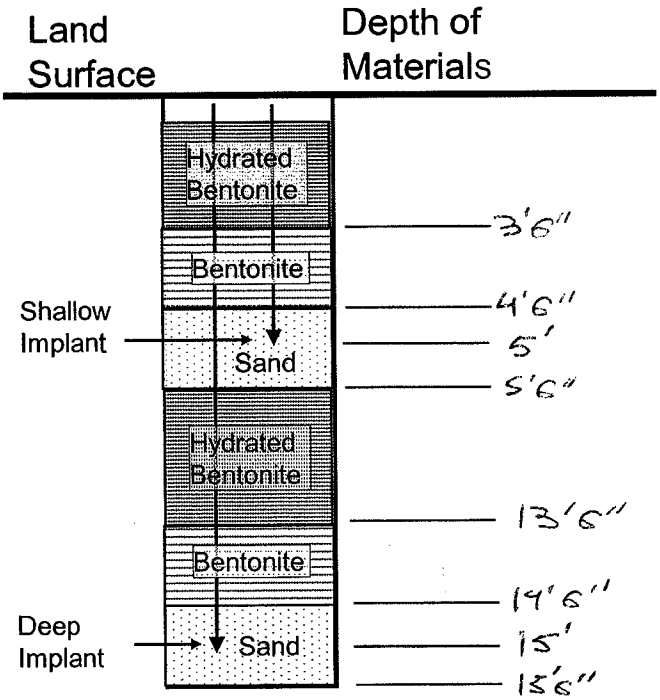
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/12/11 0846

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

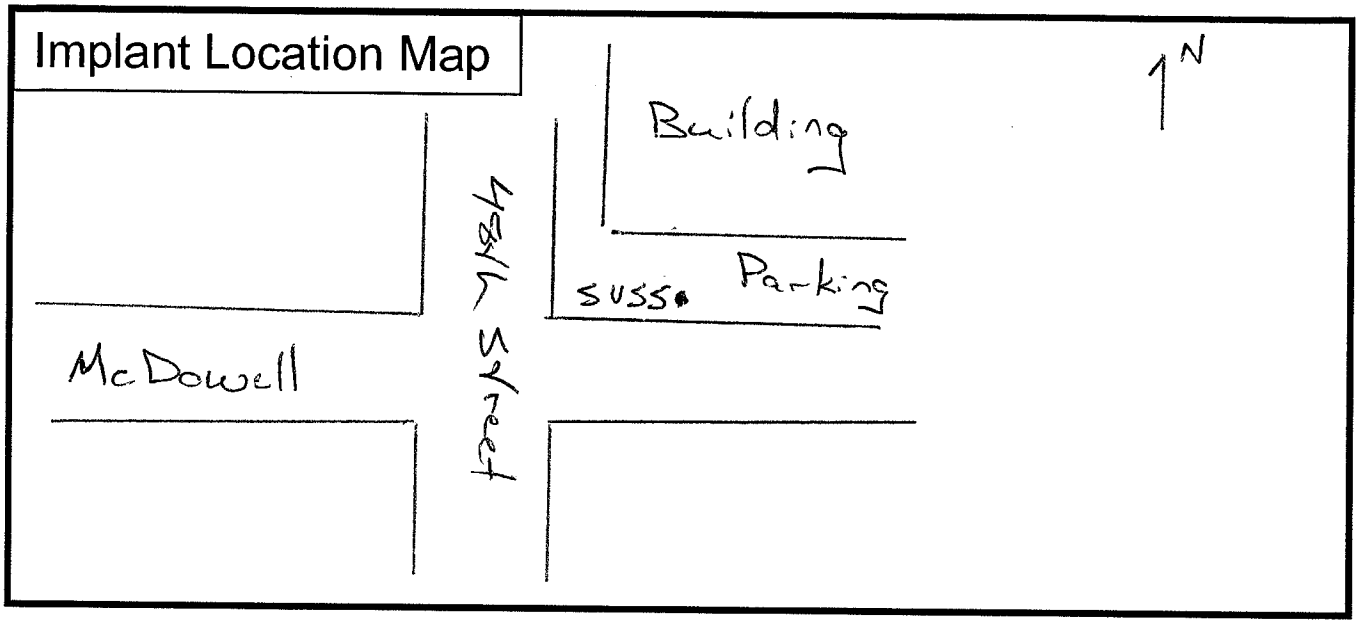
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV55

Northing N 33° 27' 56.6"
Easting W 111° 58' 40.5"

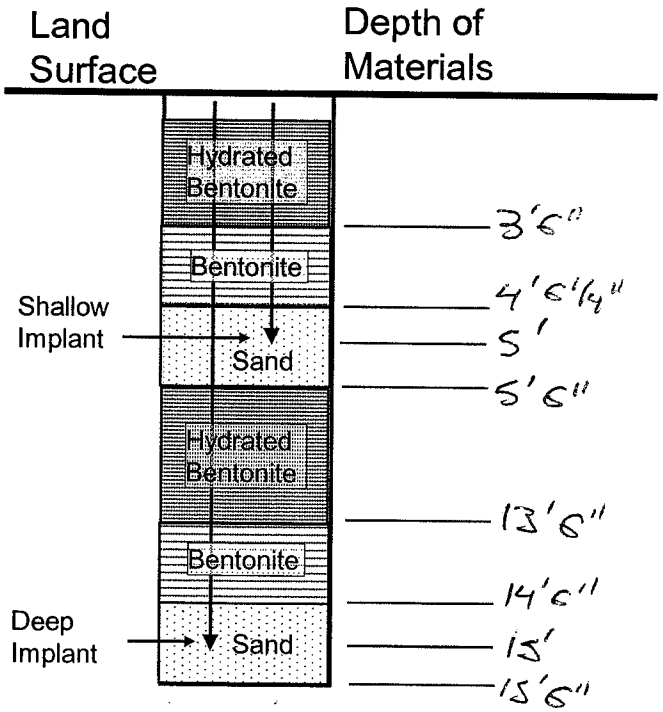
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/18/11 1610

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	11.75
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	283
Purge Volume of Tubing+Sandpack (ml)	351

Deep Implant Purge Volume

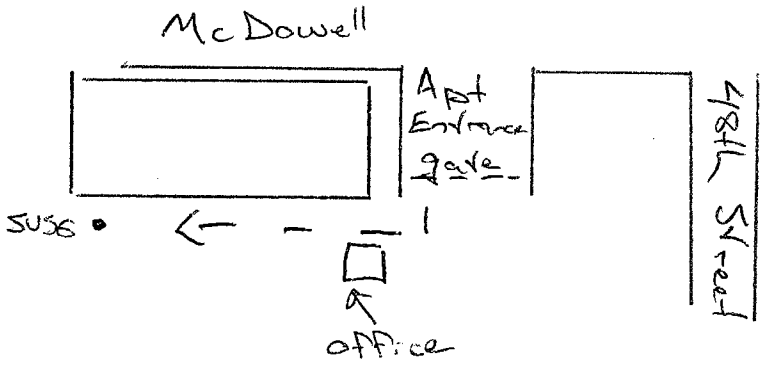
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV56

Northing N33° 27' 54.2"
Easting W111° 58' 49.7"

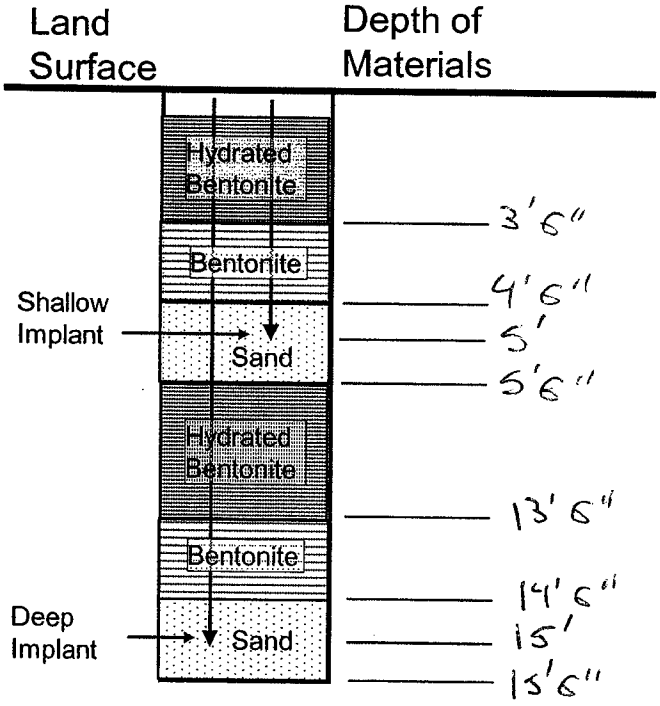
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/13/11 1408

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

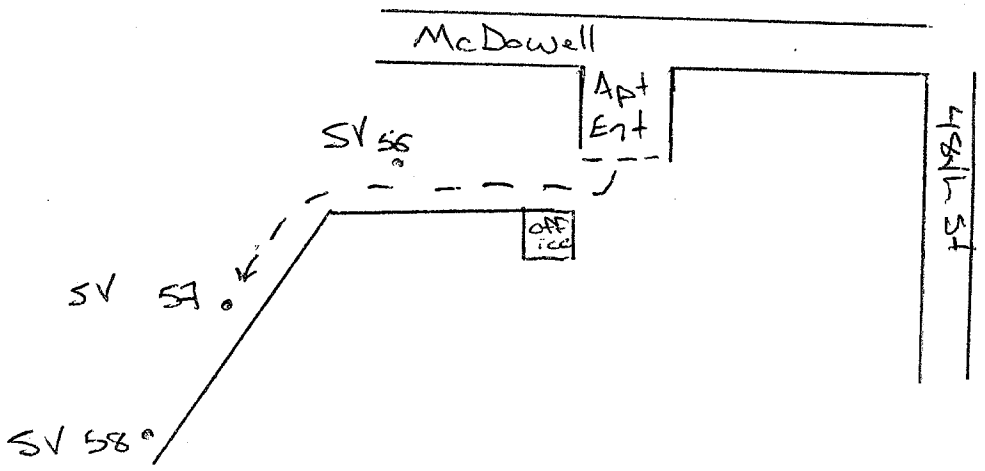
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV57

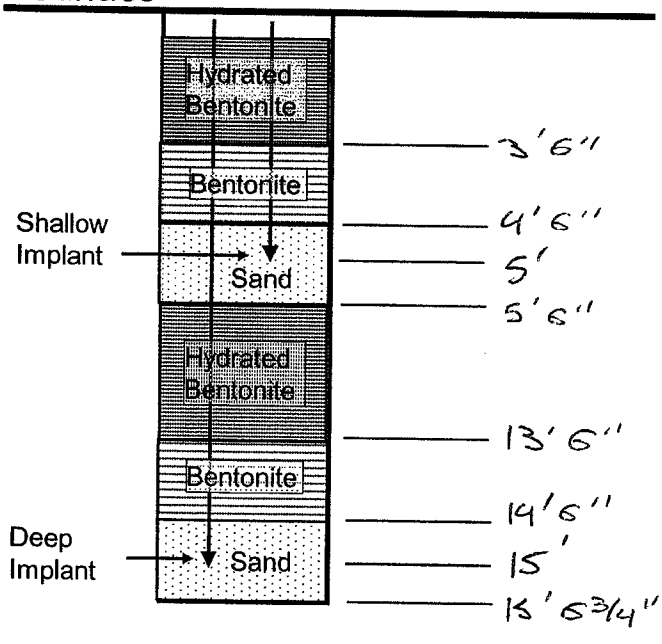
Northing N38° 27' 53.4"
Easting W111° 58' 52.2"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/13/11 1152
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

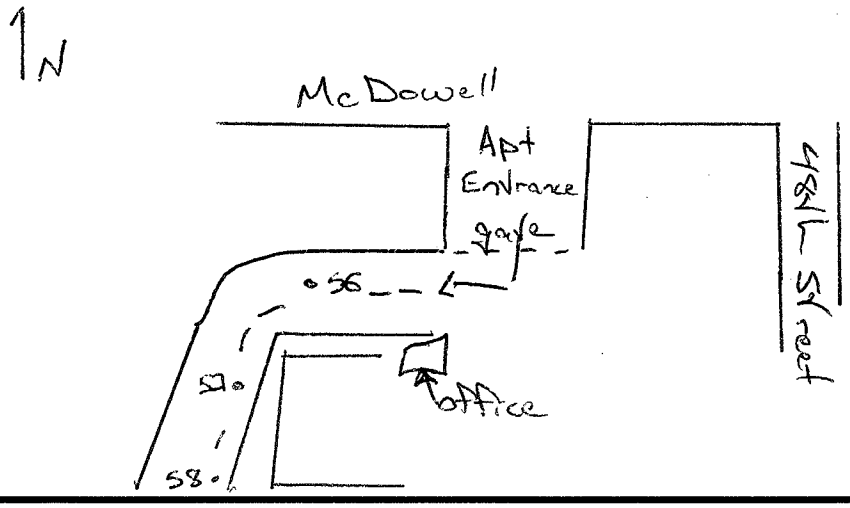
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.75
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	307
Purge Volume of Tubing+Sandpack (ml)	471

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV58

Northing N33° 27' 52.0"
Easting W111° 58' 53.5"

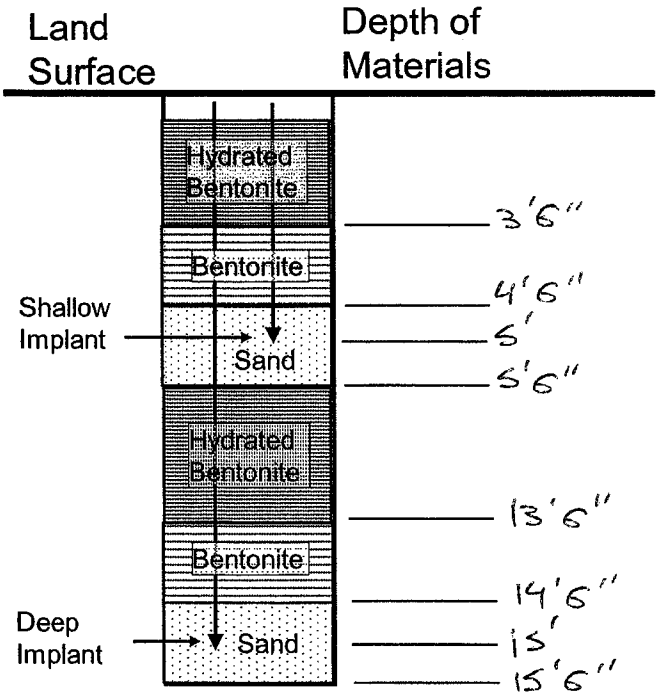
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/13/11 1028

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV59

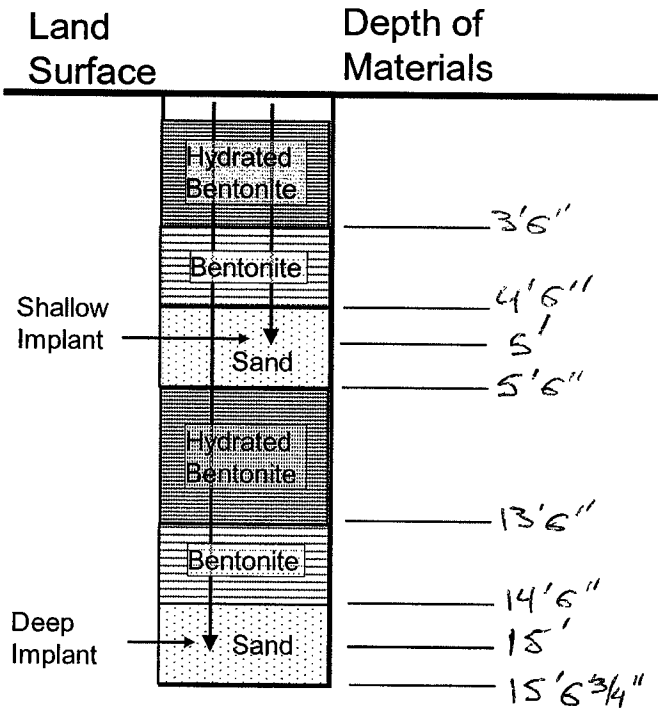
Northing N33° 27' 48.9"
Easting W111° 58' 37.5"

Implant Location Map

Implant As-built Diagram

Date/Time Installed 5/11/11 1028

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

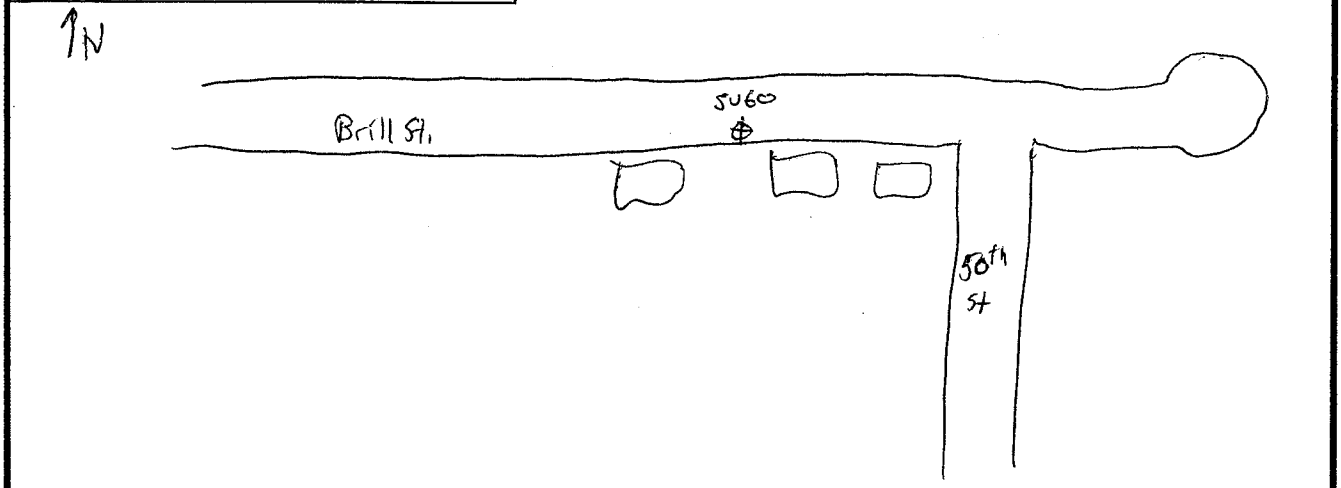
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.75
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	307.5
Purge Volume of Tubing+Sandpack (ml)	472

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV60

Northing N33° 27' 51.1"
Easting W111° 58' 30.3"

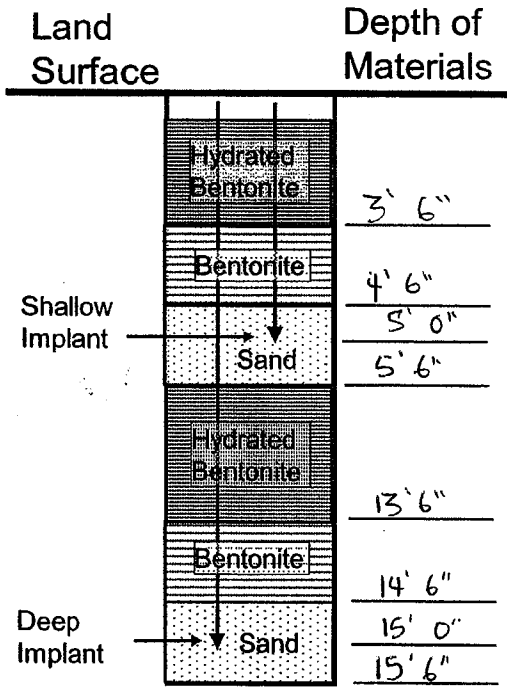
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/14/11 0810

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

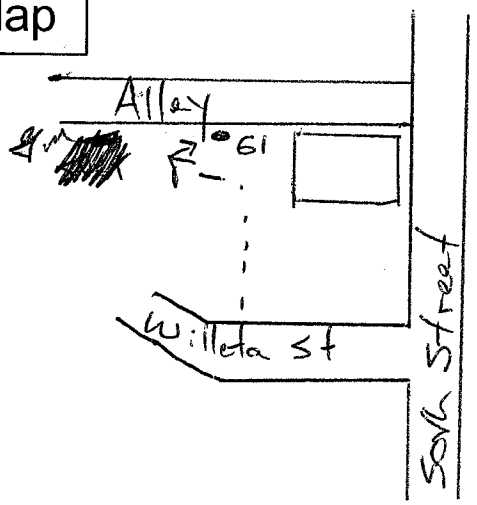
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV61

Northing N33° 27' 49.5"
Easting W111° 58' 30.7"

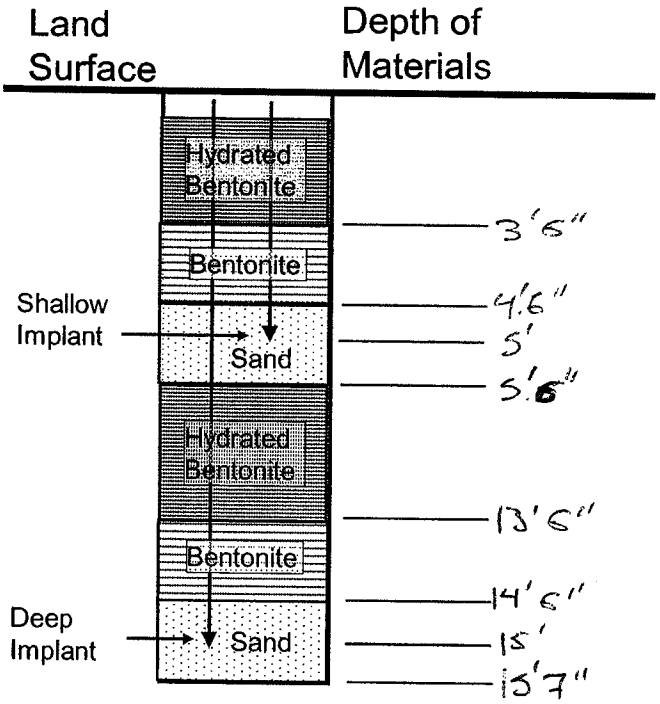
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/18/11 0854

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	1.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

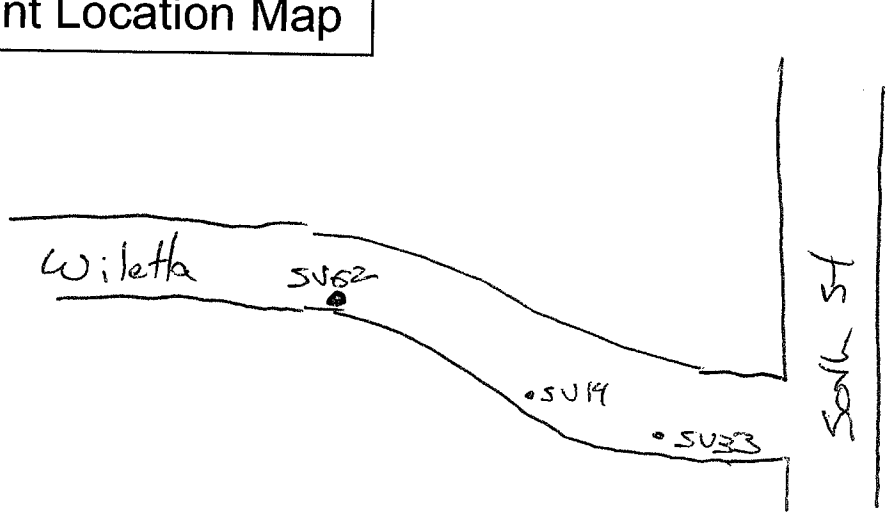
Deep Tubing Diameter (in)	1.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	13
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	313
Purge Volume of Tubing+Sandpack (ml)	478

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV62

Northing N33° 27' 46.3"
Easting W111° 58' 33.1"

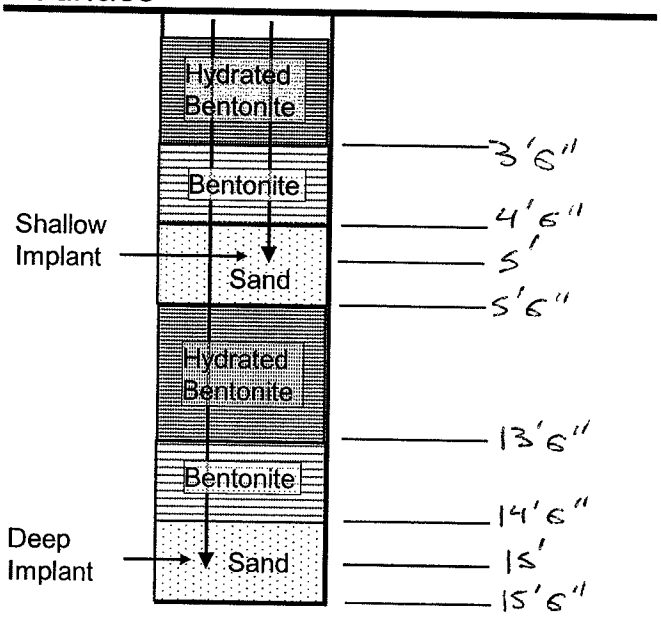
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/10/11 1600

Drilling Contractor Boart Longyear.



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}\text{-}12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

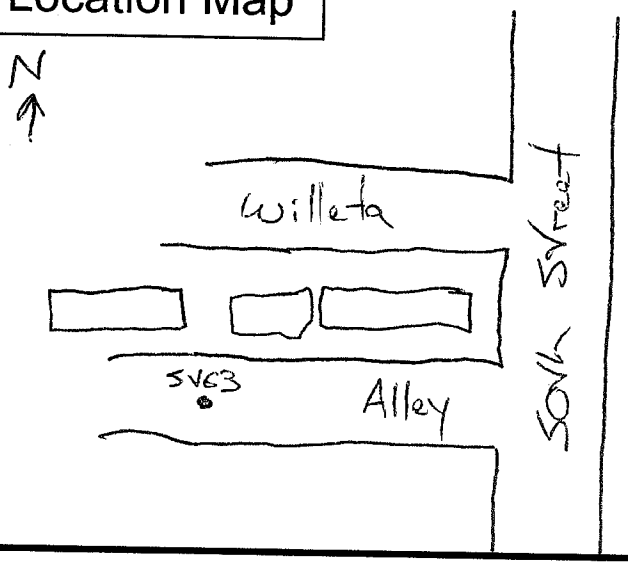
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV63

Northing N 33° 27' 44.5"
Easting W 111° 58' 31.9"

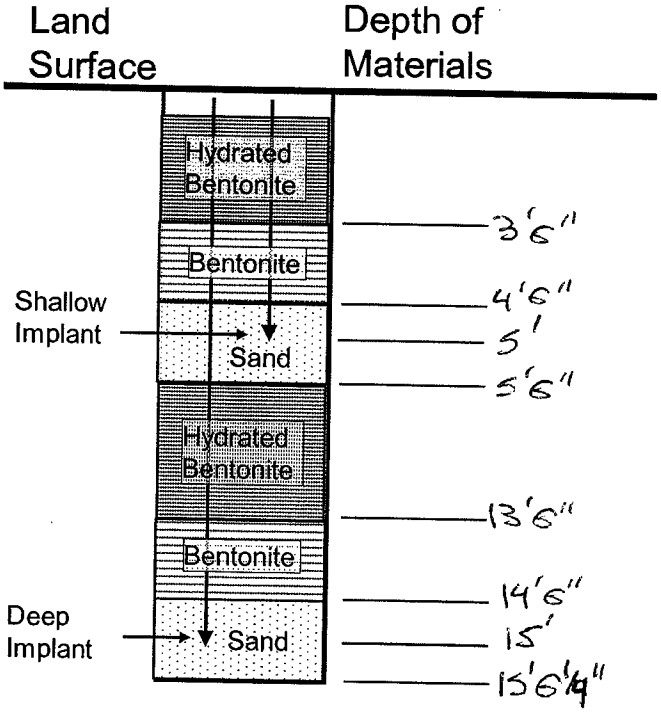
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/11/11 1200

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

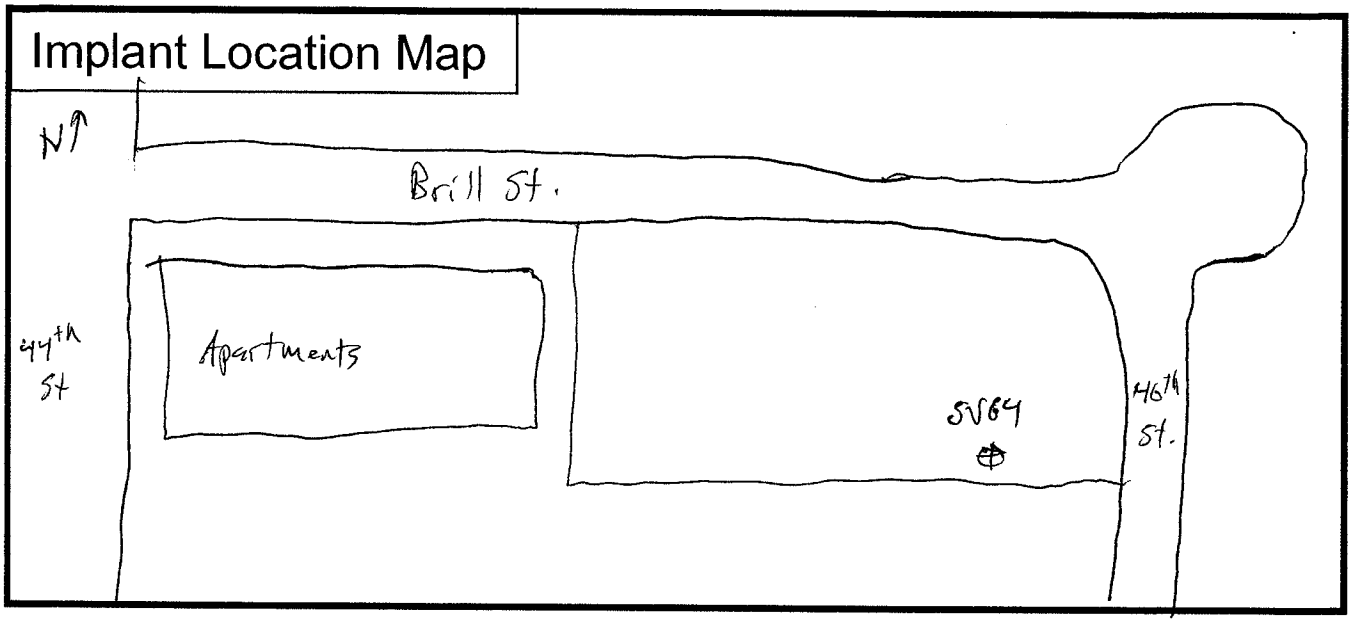
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.25
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	295
Purge Volume of Tubing+Sandpack (ml)	459

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV64

Northing N33° 27' 47.5"
Easting W111° 59' 00.9"

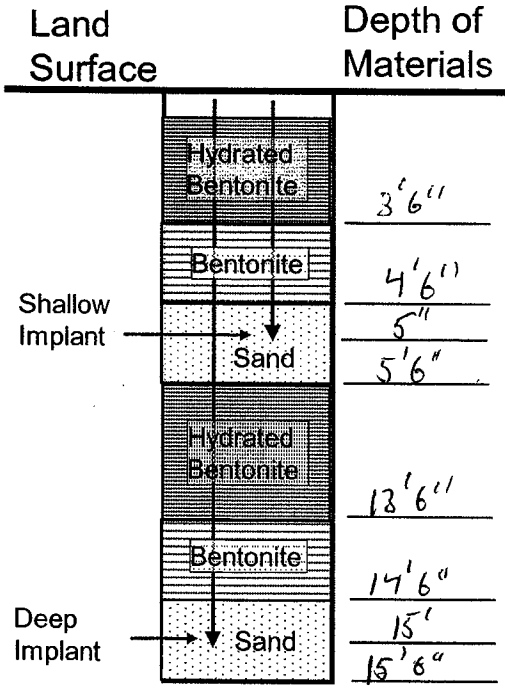
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/13/11 1500

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

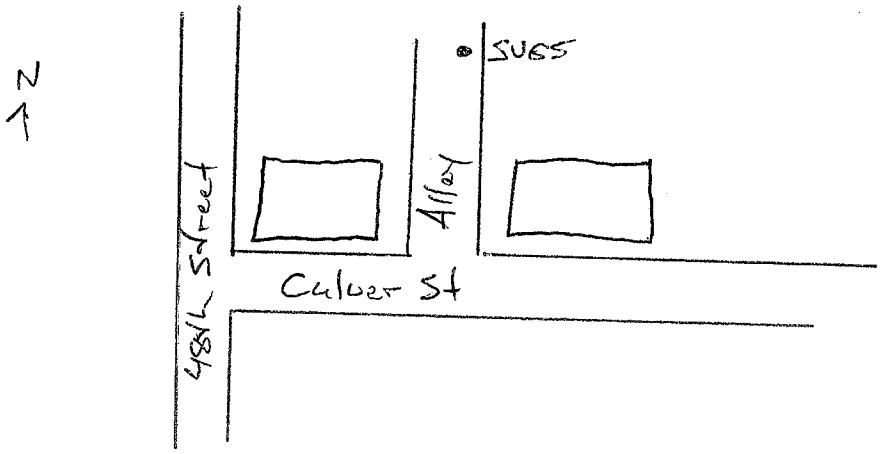
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV65

Northing N33° 27' 48.8"
Easting W111° 58' 40.2"

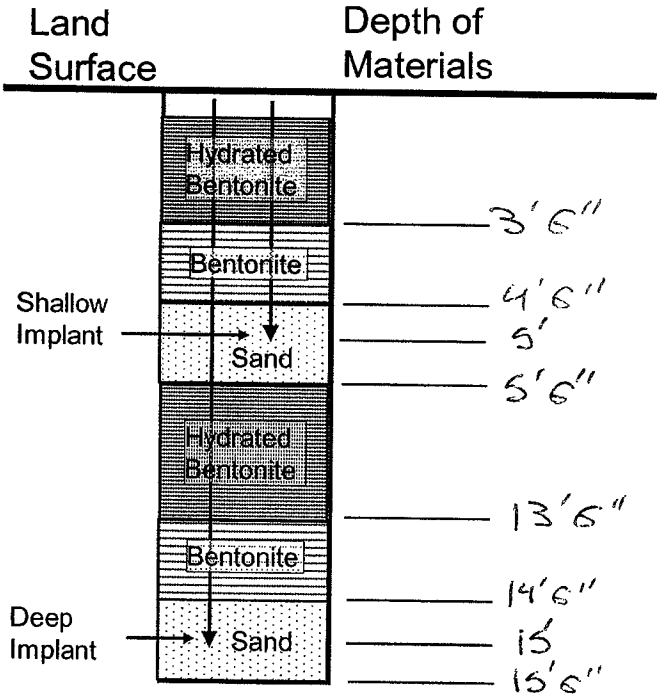
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/13/11 0848

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

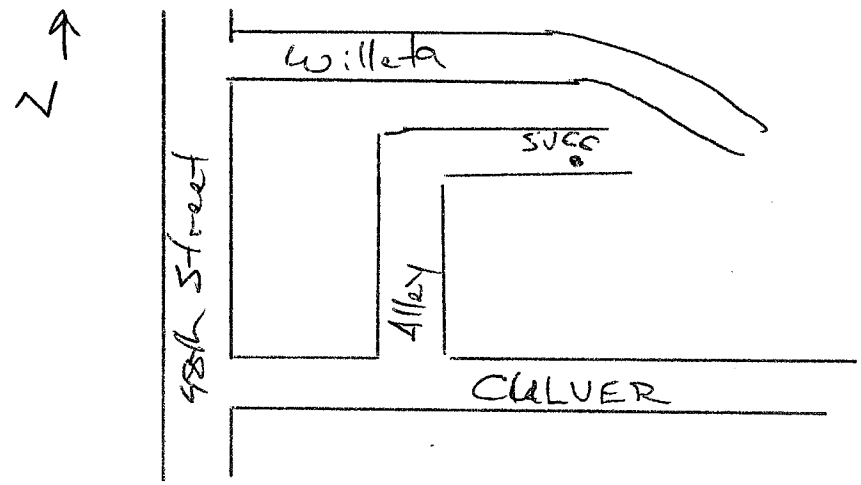
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV66

Northing N33° 27' 46.6"
Easting W111° 58' 37.9"

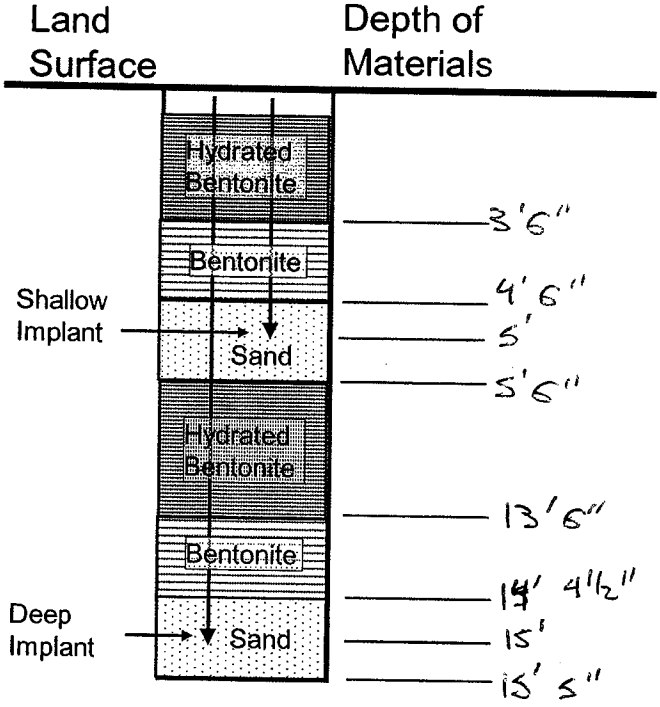
Implant Location Map



Implant As-built Diagram

Date/Time Installed 5/18/11 1038

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}*12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

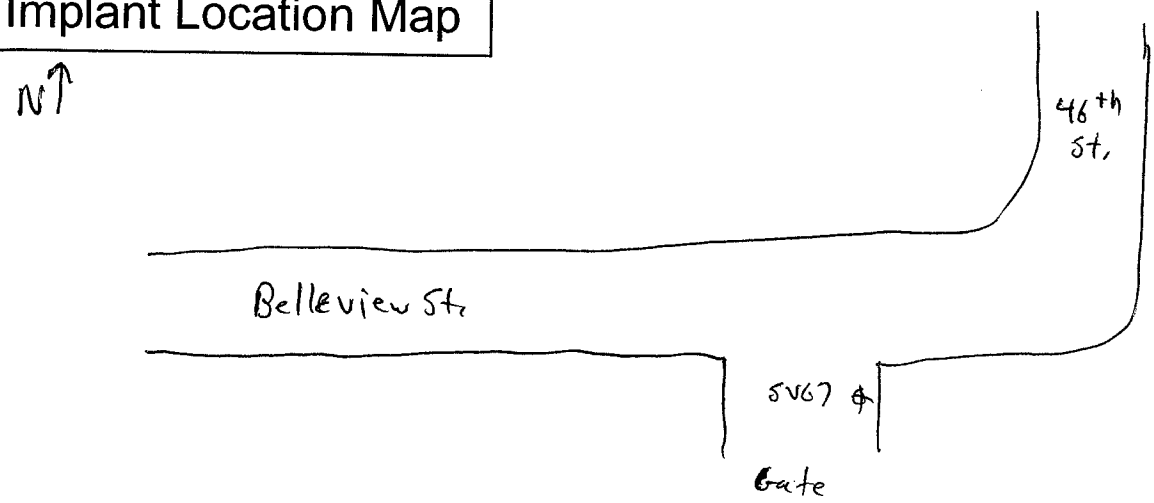
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	121.5
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	301
Purge Volume of Tubing+Sandpack (ml)	465

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV67

Northing N 38° 27' 42.8"
Easting W 111° 59' 02.4"

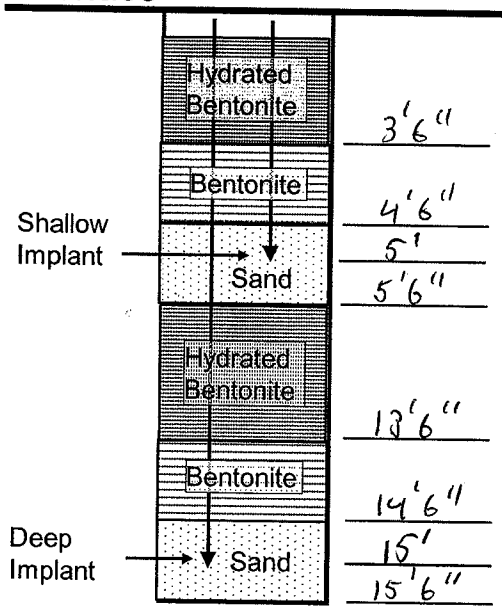
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/14/11

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

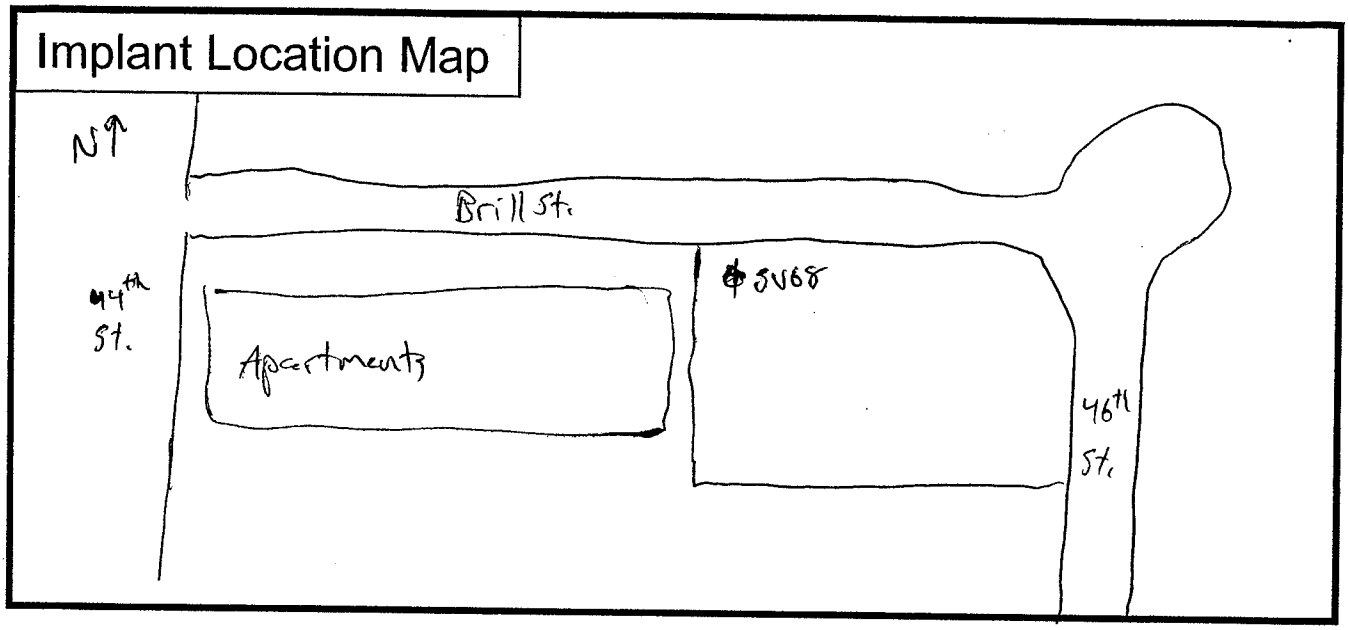
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV68

Northing N 33° 27' 49.4"
Easting W 111° 59' 04.3"

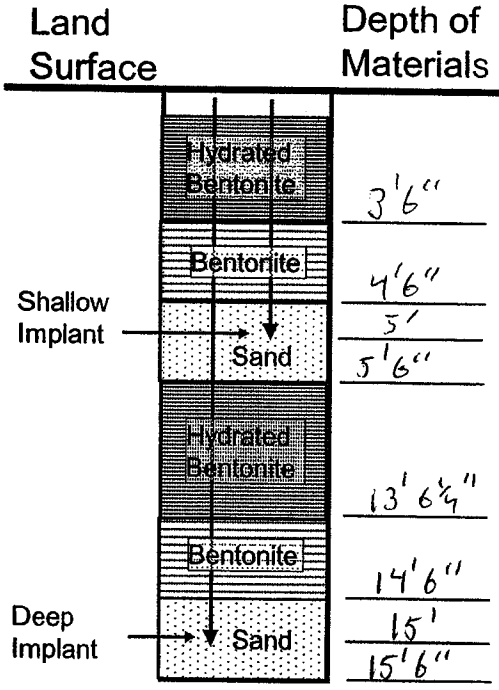
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/13/11 1200

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5 ✓
Purge Volume of Sandpack (ml)	289 ✓
Purge Volume of Tubing+Sandpack (ml)	357 ✓

Deep Implant Purge Volume

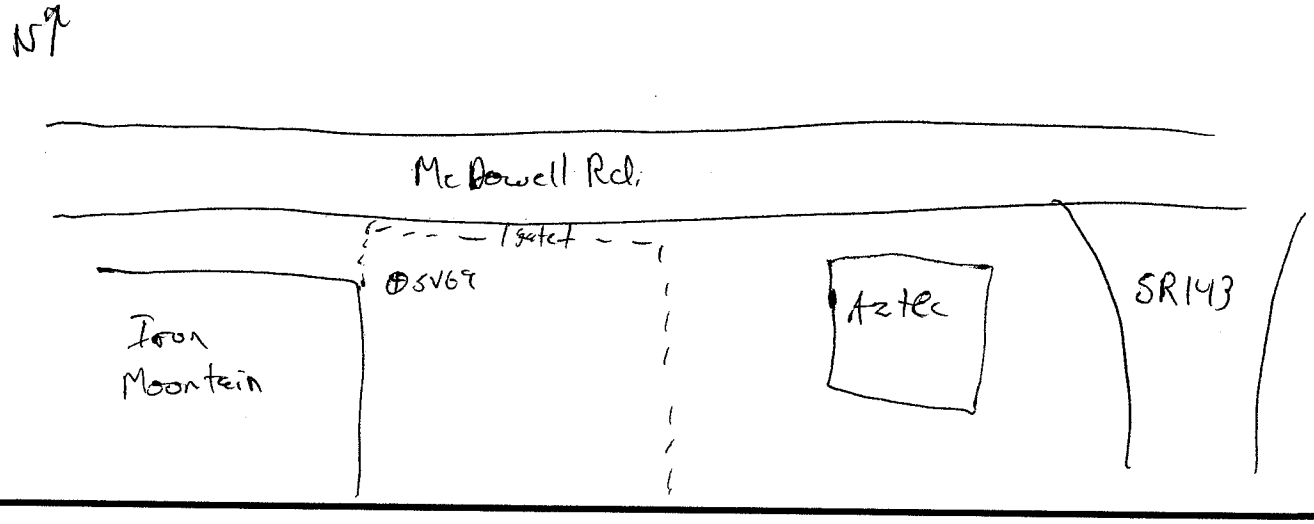
Deep Tubing Diameter (in)	.125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164 ✓
Purge Volume of Sandpack (ml)	289 ✓
Purge Volume of Tubing+Sandpack (ml)	453 ✓

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV69

Northing 33° 27' 55.6"
Easting 111° 59' 01.3"

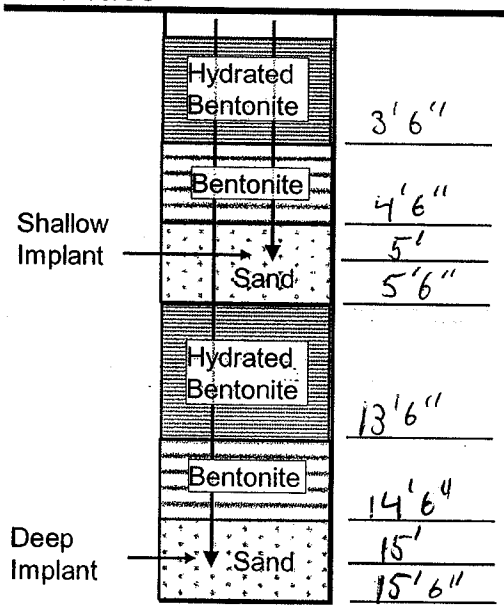
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/13/11 0945

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

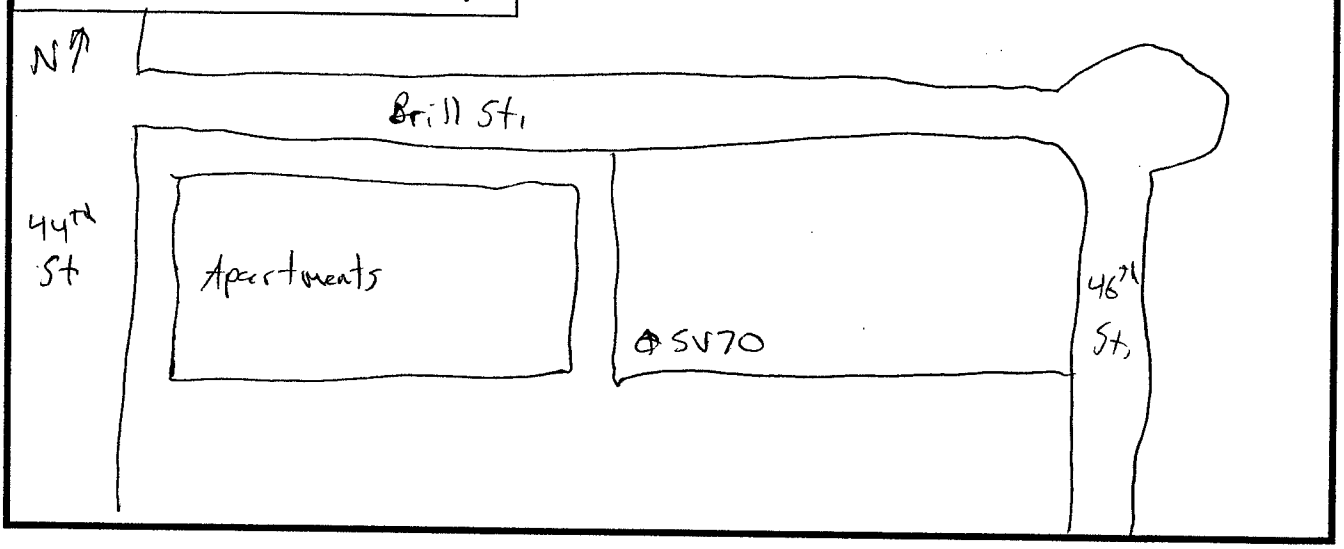
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV70

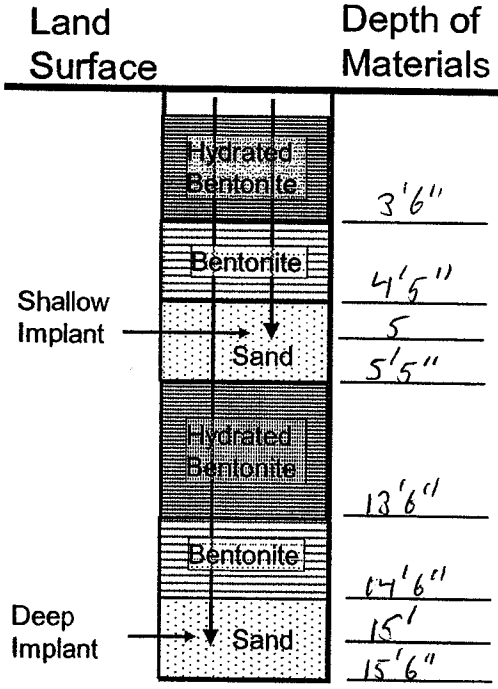
Northing N33° 27' 47.6"
Easting W 111° 59' 04.7"

Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/13/11 1340
Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	125
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

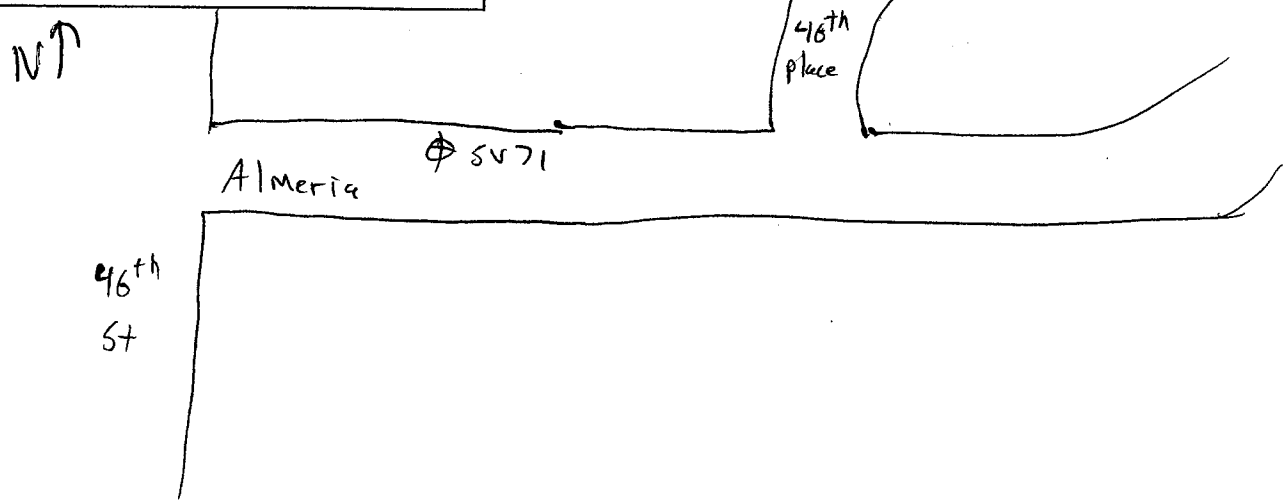
Deep Tubing Diameter (in)	125
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV71

Northing N 33° 28' 01.0"
Easting W 111° 58' 54.5"

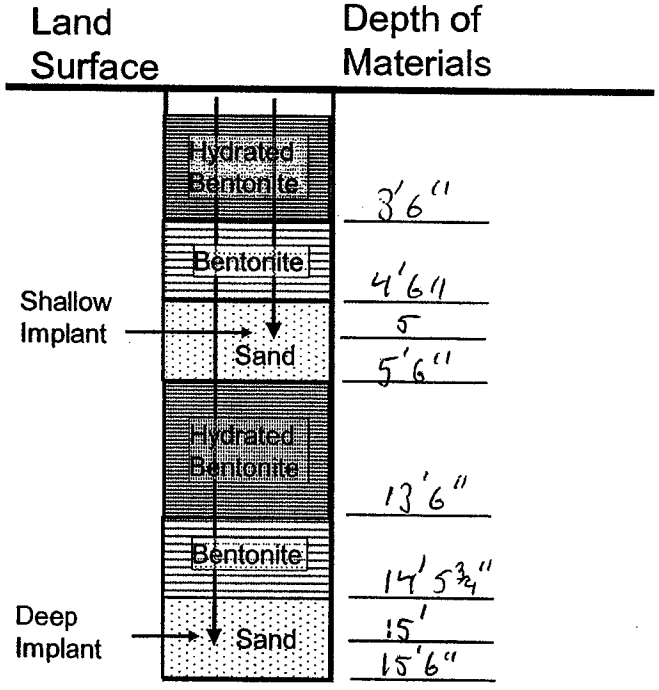
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/14/11 1100

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

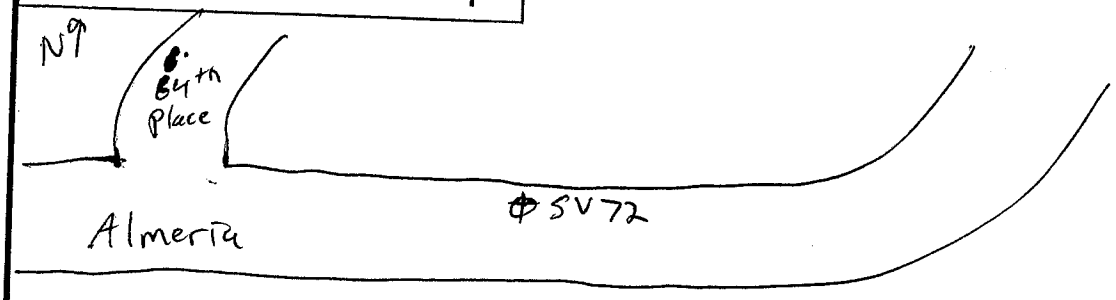
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12.25
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	295
Purge Volume of Tubing+Sandpack (ml)	459

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV72

Northing N33° 28' 00.8"
Easting W111° 58' 50.3"

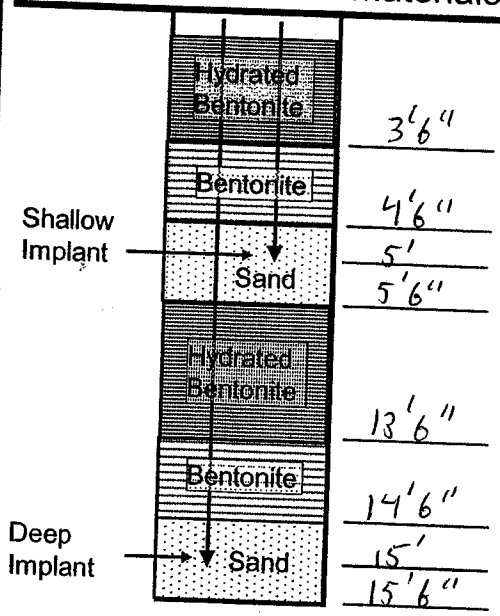
Implant Location Map



Implant As-built Diagram

Date/Time Installed 6/14/11 1200

Drilling Contractor Boart



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

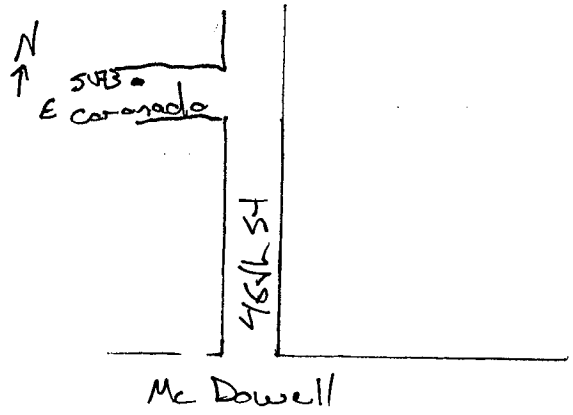
Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV73

Northing N 33° 28.038'
Easting W 111° 58.959'

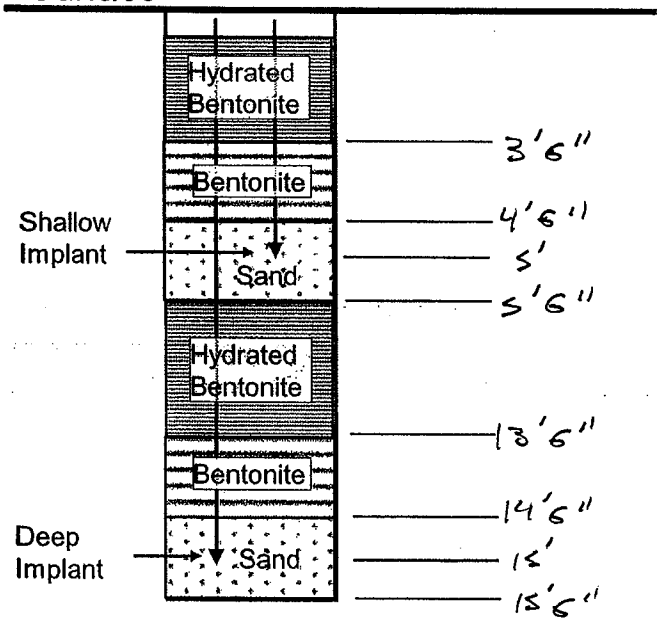
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/27/11 0900

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

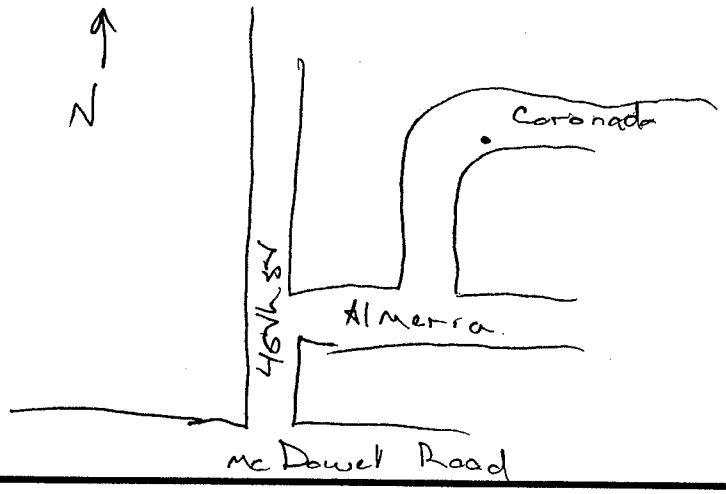
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV74

Northing N 33° 28.049'

Easting W 111° 58.873'

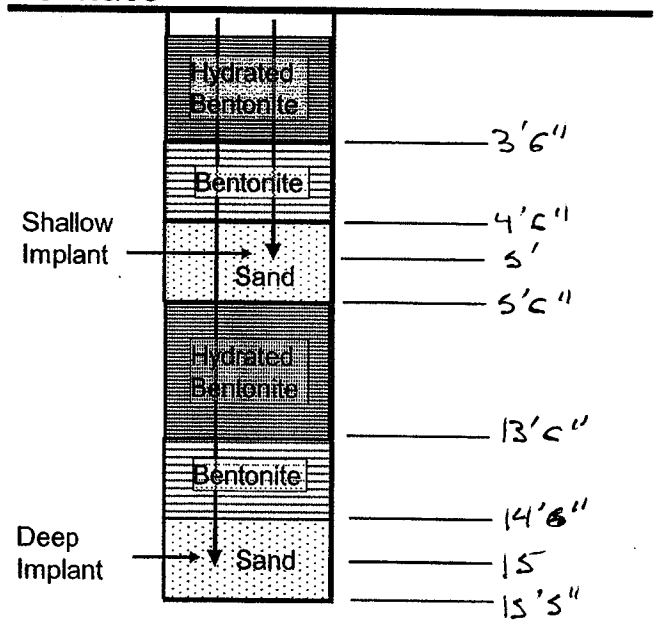
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/26/11 1325

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	0.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

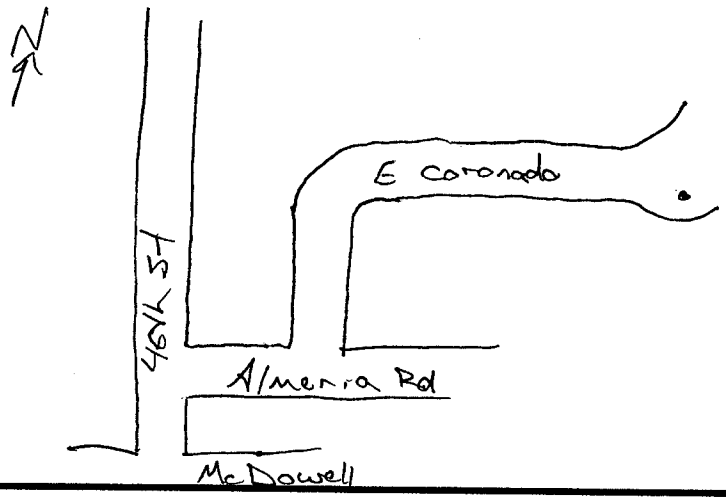
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	0.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	11
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	265.3
Purge Volume of Tubing+Sandpack (ml)	429

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV75

Northing ~ N 33° 28.046'
Easting W 111° 58.817'

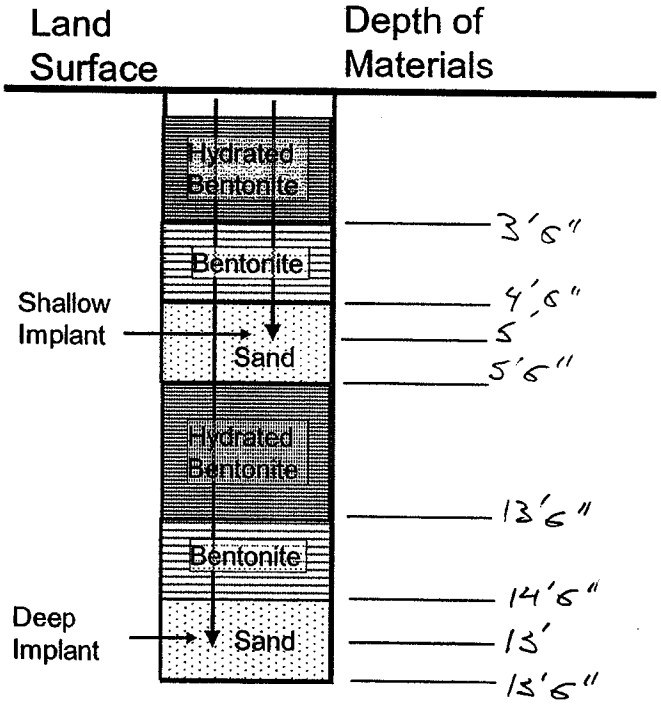
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/26/11 1125

Drilling Contractor Board Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

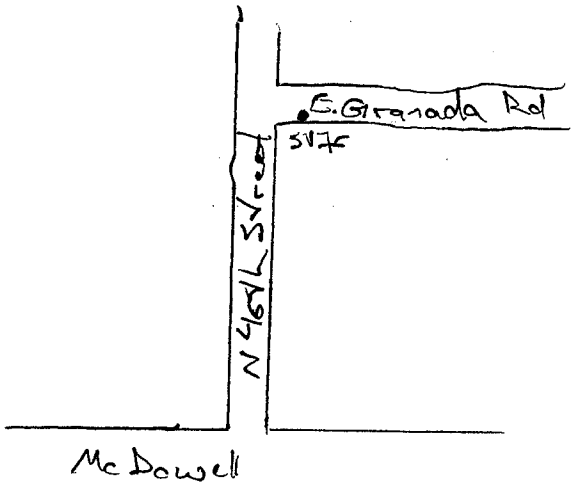
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV76

Northing N 33° 28.090'

Easting W 111° 58.926'

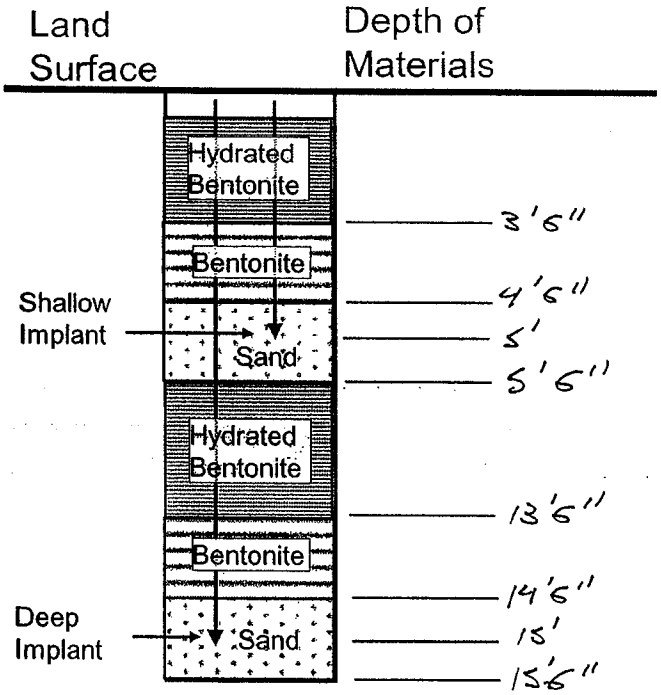
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/26/11 1440

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	0.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	0.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

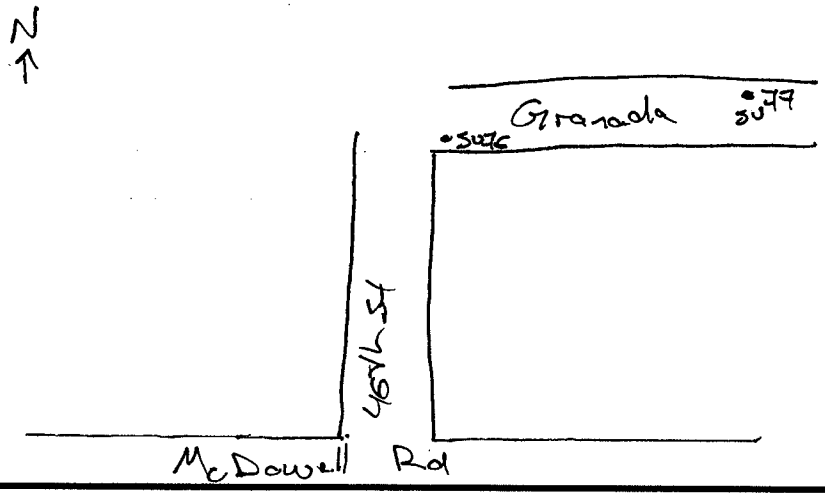
CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV77

Northing N 33° 28.093'

Easting W 111° 58.837'

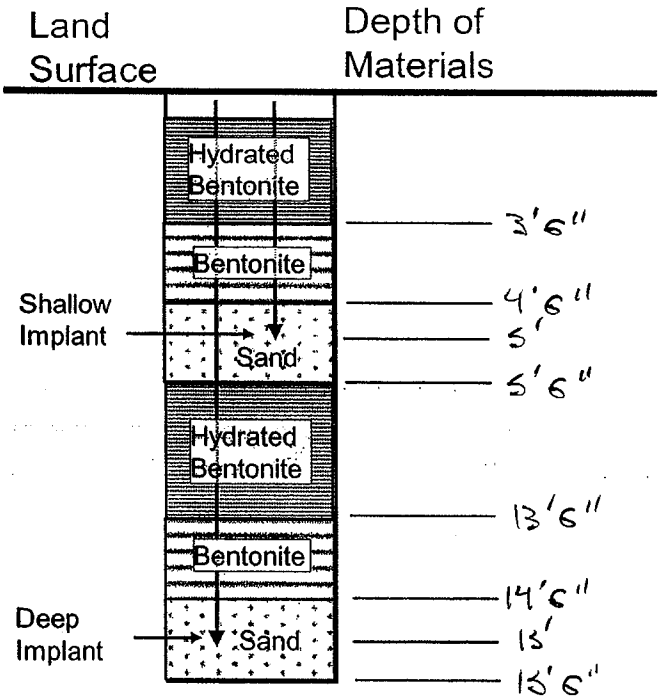
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/27/11 1015

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} * 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume	
Shallow Tubing Diameter (in)	0.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

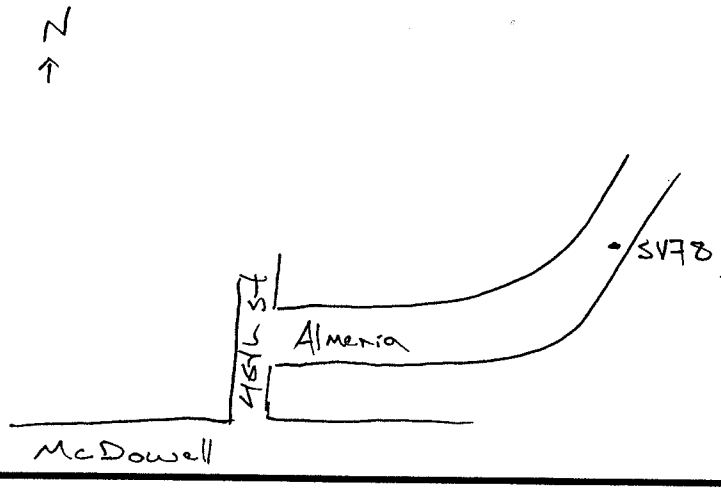
Deep Implant Purge Volume	
Deep Tubing Diameter (in)	0.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	453

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV78

Northing N 33° 28.042'
Easting W 111° 58.760'

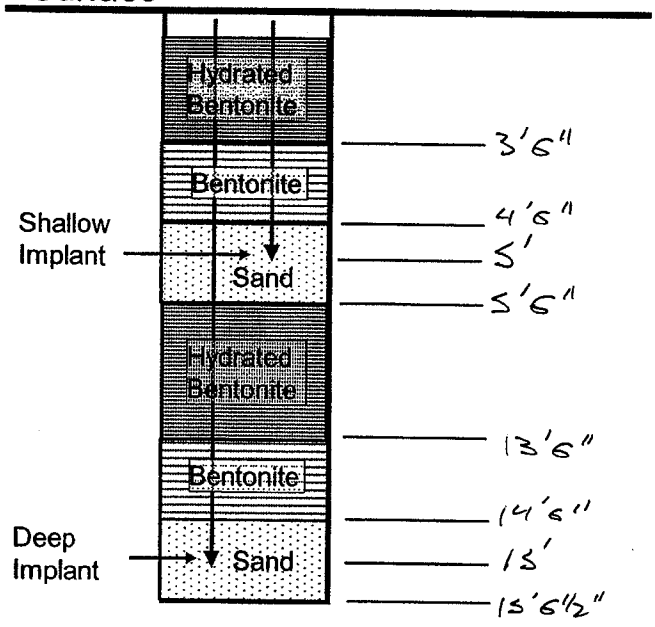
Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/26/11 0950

Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube} \cdot 12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	0.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

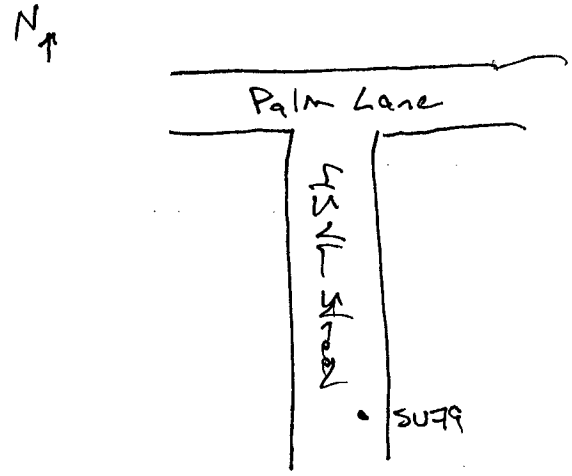
Deep Tubing Diameter (in)	0.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12½
Purge Volume of Tubing (ml)	164
Purge Volume of Sandpack (ml)	301.5
Purge Volume of Tubing+Sandpack (ml)	466

CLEAR CREEK ASSOCIATES

Soil Gas Implant ID SV79

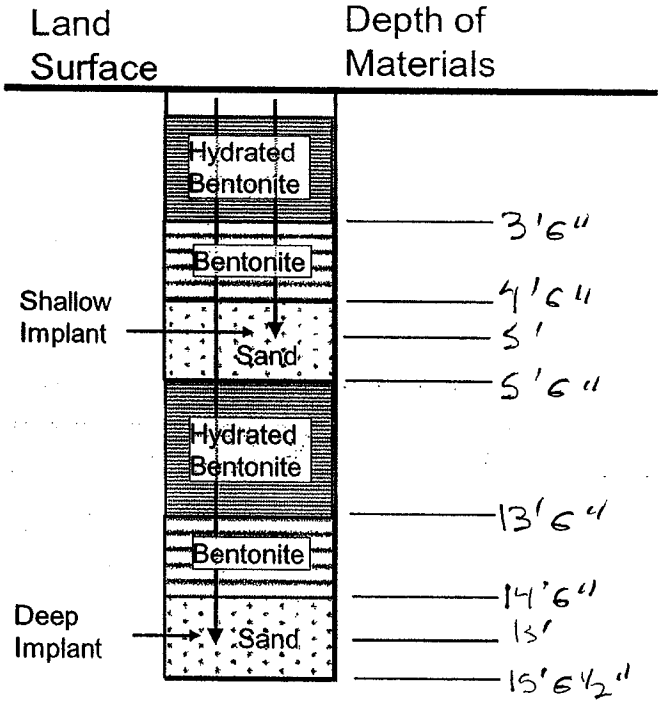
Northing N 33°28.057'
Easting W 111° 59.095'

Implant Location Map



Implant As-built Diagram

Date/Time Installed 7/27/11 1230
Drilling Contractor Boart Longyear



Purge Volume Calculation

Volume Tubing = $((D_{tube}/2)^2 * 3.14 * (L_{tube}*12) * 16.3866$

Volume of Sandpack = $(D_{bore}/2)^2 * 3.14 * H_{sandpack} * 0.3) * 16.3866$

Shallow Implant Purge Volume

Shallow Tubing Diameter (in)	0.25
Length of Shallow Tubing (ft)	7
Borehole Diameter (in)	2.5
Height of Sand (Shallow)(in)	12
Purge Volume of Tubing (ml)	67.5
Purge Volume of Sandpack (ml)	289
Purge Volume of Tubing+Sandpack (ml)	357

Deep Implant Purge Volume

Deep Tubing Diameter (in)	0.25
Length of Deep Tubing (ft)	17
Borehole Diameter (in)	2.5
Height of Sand (Deep) (in)	12½
Purge Volume of Tubing (ml)	~~301~~ 164
Purge Volume of Sandpack (ml)	301.5
Purge Volume of Tubing+Sandpack (ml)	466

CLEAR CREEK ASSOCIATES

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV25-15	15	670.5		4/18/11	1416	Isopropyl	RG	1423	
SV25-15	15	—		4/18/11	1514	"	RG	1520	resample
SV25-15	15	—		4/18/11	1552		RG	1558	duplicate

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date:

Field Staff:

Well ID (SV01 - SV25)	SV25-15	SV25-5	SV24-15	SV24-5								Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/18/11	4/18/11	4/18/11	4/18/11								Residential
Well Sampled	4/18/11											
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells SV24 and SV25 were drilled and constructed. SV25-15 was sampled, resampled, and a duplicate sample. The well was resampled due to the result being above the calibration level of the equipment
2) Sample results are attached.
3) Sampling will continue with SV25-5 and SV24-15 and SV24-5

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV25-5	5 4/19/11 RG	506		4/19/11	0946	Isopropyl	RG	0952	
SV24-15	15	453		4/19/11	1039	"	RG	1043	
SV24-5	5	381		4/19/11	1139	"	RG	1145	
SV24-5	5	—		4/19/11	1228	"	RG	1233	resample
SV05-15	15	550		4/19/11	1328	"	RG	1333	
SV05-5	5	405		4/19/11	1410	"	RG	1415	
SV04-15	15	501.5		4/19/11	1456	"	RG	1501	
SV04-15	15	—		4/19/11	1529	"	RG	1535	duplicate.
SV04-5	5	381		4/19/11	1607	"	RG	1611	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/19/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV05	SV04	SV26	SV03	SV09	SV25	SV24					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/19/11	4/19/11	4/19/11	4/19/11								Residential
Well Sampled	4/19/11	4/19/11				4/19/11	4/19/11					
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Drilled & Constructed wells SV05, SV04, SV26 and SV03. Sampled ports SV25-5, SV24-15, SV24-5, SV05-15, SV05-5, SV04-15, and SV04-5
2) SV25-5, SV24-15, SV24-5, SV04-15 are high on results for TCE. SV05-15, SV05-5 and SV04-5 have low results.
3) Sampling will begin with SV26 and SV03 tomorrow

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV26-15	15	550		4/20/11	0829	Propropyl	RG	0834	
SV26-5	5	430		4/20/11	0906	"	RG	0911	
SV03-15	15	550		4/20/11	0957	"	RG	1002	
SV03-5	5	406		4/20/11	1034	"	RG	1039	
SV15-15	15	502		4/20/11	1117	"	RG	1121	
SV15-5	5	406		4/20/11	1149	"	RG	1154	
SV16-15	15	453		4/20/11	1259	"	RG	1304	
SV16-5	5	357		4/20/11	1336	"	RG	1343	
SV17-15	15	502		4/20/11	1410	"	RG	1415	
SV17-5	5	406		4/20/11	1449	"	RG	1454	
SV17-5	5	—		4/20/11	1524	"	RG	1529	duplicate
SV14-15	15	478		4/20/11	1601	"	RG	1606	
SV14-5	5	381		4/20/11	1628	"	RG	1633	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/20/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV26	SV03	SV15	SV16	SV17	SV14	SV13					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed			4/20/11	4/20/11	4/20/11	4/20/11	4/20/11					Residential
Well Sampled	4/20/11	4/20/11	4/20/11	4/20/11	4/20/11	4/20/11						
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells drilled and constructed SV15, SV16, SV17, SV14 and SV13. Both ports were sampled in wells SV26, SV03, SV15, SV16, SV17 and SV14

2) Lower depths of SV26 and SV03 were high. All the rest of the results were low for TCE. Chloriform is starting to show up in SV15, SV16, SV17.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV13-15	15	526	1	4/21/11	0847	Isopropyl	RG	0852	
SV13-5	5	357	1	4/21/11	0928	"	RG	0933	
SV09-15	15	542	1	4/21/11	1008	"	RG	1011	
SV09-5	5	381	1	4/21/11	1214	"	RG	1217	
SV14-15	15	955	2	4/21/11	1251	"	RG	1256	
SV13-15	15	1052	2	4/21/11	1333	"	RG	1338	test purge 3 vol. (2+1) RT
SV08-15	15	521	1	4/21/11	1446	"	RG	1449	
SV08-15	15	—	—	4/21/11	1515	"	RG	1518	resample
SV08-5	5	425	1	4/21/11	1542	"	RG	1544	
SV08-5	5	—	—	4/21/11	1608	"	RG	1611	duplicate

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/21/11
Field Staff: RG, RT, BT

Well ID (SV01 - SV25)	SV09	SV08	SV07	SV06	SV13	SV14						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/21/11	4/21/11	4/21/11	4/21/11								Residential
Well Sampled	4/21/11	4/21/11			4/21/11	resample						
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Drill + Construct wells SV09, SV08, SV07, and SV06. Sample wells SV13, SV09 and SV08, resample SV14-15 and SV13-15 with an extra 2 purge volumes to make three altogether
2) All wells sampled had low results
3) Tomorrow wells to be sampled SV07, SV06, SV02 and SV18, wells drilled SV02, SV18, SV19, SV20
4) Purge volumes were only at 1 volume, 2 wells were resampled with 2 more purge volumes added before the sample in order to compare results.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
equipment blank	—	—	—	4/22/11	1103	1	RG	1103	
SV07-15	15	478	1	4/22/11	1143	isopropyl	RG	1145	
SV07-5	5	381	1	4/22/11	1213	11	RG	1215	
SV07-5	5	—	—	4/22/11	1239	11	RG	1240	resample
SV06-15	15	478	1	4/22/11	1400	11	RG	1404	
SV06-15	15	—	—	4/22/11	1432	11	RG	1437	duplicate
SV06-5	5	381	1	4/22/11	1508	11	RG	1513	
SV02-15	15	502	1	4/22/11	1553	11	RG	1558	
SV02-15	15	—	—	4/22/11	1619	11	RG	1621	resample #1 (out of range)
SV02-15	15	—	—	4/22/11	1639	11	RG	1641	resample #2 (sys. error)

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/22/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV23	SV12	SV07	SV06	SV02	SV18						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	SV23	4/22/11				tried						Residential
Well Sampled			4/22/11	4/22/11	tried							
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Wells drilled & constructed SV23 and SV12, wells sampled SV07 and SV06.

3) Drilling will continue with SV01, SV10, SV11, and SV24. Sampling will continue with wells SV02, SV12 and SV01
4) SV18 had problems hand augering and exposed some COX line. Will try again Monday
SV02 had problems with analytical equipment in the lab, will try again tomorrow

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV02-15	15	164	tubing only	4/23/11	0849	isopropyl	RG	0851	
SV02-15	15	—	—	4/23/11	0915	"	RG	0919	resample
SV02-5	5	357	1	4/23/11	0945	"	RG	0948	
SV12-15	15	453	1	4/23/11	1014	"	RG	1016	
SV12-5	5	381	1	4/23/11	1043	"	RG	1045	
SV12-5	5	—	—	4/23/11	1110	"	RG	1112	duplicate.
SV10-15	15	453	1	4/23/11	1137	"	RG	1140	
SV10-5	5	357	1	4/23/11	1208	"	RG	1210	
SV11-15	15	453	1	4/23/11	1235	"	RG	1237	
SV11-5	5	357	1	4/23/11	1304	"	RG	1306	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/23/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV01	SV10	SV11	SV02	SV12							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/23/11	4/23/11	4/23/11									Residential
Well Sampled		4/23/11	4/23/11	4/23/11	4/23/11							
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells drilled and constructed SV02, SV10 and SV11. Wells sampled SV02, SV12, SV10 and SV11
2) Wells SV12, SV10 and SV11 results were low, SV02 results were high.
3) Monday, wells SV18, SV19 and SV20 will be drilled, wells SV01, SV18, SV19 and SV20 will be sampled.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV23-15	15	478	1	4/25/11	0938	isopropyl	RG	09:43	
SVa3-15R	15	~~375~~ RG	~~1~~ RG	4/25/11	10:15	"	RG	10:20	resample
~~SV01-15~~ RG									
SV23-5	5	~~375~~ 357	1	4/25/11	1044	"	RG	1049	
SV01-15	15	478	1	4/25/11	1117	"	RG	1123	
SV01-5	5	357	1	4/25/11	1147	"	RG	1153	
SV21-15	15	478	1	4/25/11	1241	"	RG	1246	
SV21-5	5	357	1	4/25/11	1316	"	RG	1320	
SV22-15	15	478	1	4/25/11	1348	"	RG	1352	
SV22-15	15	—	—	4/25/11	1418	"	RG	1422	Duplicate
SV22-5	5	381	1	4/25/11	1454	"	RG	1458	
SV18-15	15	478	1	4/25/11	~~1519~~ 1524 RG	"	RG	1528	
SV18-15	15	—	—	4/25/11	1551	"	RG	1555	Duplicate
SV18-5	5	357	1	4/25/11	1615	"	RG	1619	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/25/11

Field Staff: RG, MB, BH

Well ID (SV01 - SV25)	SV21	SV22	SV18	SV20	SV23	SV01						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/25/11	4/25/11	4/25/11	4/25/11								Residential
Well Sampled	4/25/11	4/25/11	4/25/11		4/25/11	4/25/11						
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Wells drilled and constructed - SV21, SV22, SV18 and SV20. Wells sampled - SV23, SV01, SV21, SV22 and SV18
2) All analytical results were low
3) Wells to be drilled SV19 and step out wells, wells to be sampled SV20, SV19 and step out wells.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV20-15	15	453	1	4/26/11	0835	Isopropyl	RG	0840	
SV20-5	5	357	1	4/26/11	0910	"	RG	0915	
SV19-15	15	453	1	4/26/11	0944	"	RG	0948	
SV19-5	5	381	1	4/26/11	1014	"	RG	1019	
Equipment Blank	—	—	—	4/26/11	1050	"	RG	1056	
SV35-15	15	478	1	4/26/11	1133	"	RG	1139	
SV35-15	15	—	—	4/26/11	1219	"	RG	1225	Resample
SV35-15	15	—	—	4/26/11	1259	"	RG	1304	Duplicate
SV35-5	5	357	1	4/26/11	1400	"	RG	1406	
SV35-5	5	—	—	4/26/11	1432	"	RG	1438	Resample
SV36-15	15	453	1	4/26/11	1506	"	RG	1511	
SV36-15	15	—	—	4/26/11	1536	"	RG	1541	Resample
SV36-5	5	357	1	4/26/11	1605	"	RG	1610	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/26/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV19	SV20	SV35	SV36								Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed	4/26		4/26	4/26								Residential
Well Sampled	4/26	4/26	4/26	4/26								
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells drilled & constructed SV19, SV35 and SV36, Wells sampled - SV20, SV19, SV35, and SV36
2) Results for SV19 were low, SV20, SV35 and SV36 were high

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV24-15	15	492	3 tubing	4/27/11	0857	Isopropyl	RG	0902	Confirmation sample
SV24-5	5	203	3 tubing	4/27/11	0937	"	RG	0943	
SV05-15	15	492	3 tubing	4/27/11	1016	"	RG	1021	Confirmation sample
SV05-5	5	203	3 tubing	4/27/11	1045	"	RG	1049	
SV04-15	15	492	3 tubing	4/27/11	1128	"	RG	1132	Confirmation sample and Suma canister
SV04-15	15	—	—	4/27/11	1202	"	RG	1207	resample.
SV04-5	5	203	3 tubing	4/27/11	1311	"	RG	1316	Confirmation sample
SV04-5	5	—	—	4/27/11	1340	"	RG	1345	duplicate

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/27/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV24	SV05	SV04	SV27	SV28	SV29	SV33	SV34				Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed				4/27	4/27	4/27	4/27	4/27				Residential
Well Sampled	4/27	4/27	4/27									
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells drilled and constructed SV27, SV28, SV29, SV33 and SV34. Wells sampled for confirmation SV24, SV05, SV04. A Suma canister was collected as a duplicate for SV04-15 and an equipment blank was collected in a Suma canister.
2) Wells SV24 and SV04-15 were high and SV05 was low
3) Sampling step out locations and sampling with the EPA consultant.
4) Stopped sampling early to fill Nitrogen containers in lab.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV28-15	RG 15	478	1	4/28/11	0841	isopropyl	RG	0845	
SV28-5	5	381	1	4/28/11	0915	"	RG	0919	
SV27-15	15	502	1	4/28/11	0945	"	RG	0950	
SV27-5	5	357	1	4/28/11	1019	"	RG	1024	
SV29-15	15	478	1	4/28/11	1048	"	RG	1053	
SV29-15	15	—	—	4/28/11	1118	"	RG	1123	resample
SV29-15	15	—	—	4/28/11	1147	"	RG	1152	resample
SV29-5	5	381	1	4/28/11	1214	"	RG	1219	
SV29-5	5	—	—	4/28/11	1240	"	RG	1245	duplicate
SV33-15	15	478	1	4/28/11	1344	"	RG	1349	
SV33-5	5	357	1	4/28/11	1415	"	RG	1420	
SV34-15	15	478	1	4/28/11	1452	"	RG	1457	
SV34-15	15	—	—	4/28/11	1519	"	RG	1524	resample
SV34-5	5	357	1	4/28/11	1547	"	RG	1552	
SV30-15	15	478	1	4/28/11	1622	"	RG	1627	
SV30-5	5	502	1	4/28/11	1642	"	RG	1646	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/28/11

Field Staff: RG, RT, RH

Well ID (SV01 - SV25)	SV28	SV27	SV29	SV33	SV34	SV30	SV31	SV32	SV37			Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed						4/28	4/28	4/28	4/28			Residential
Well Sampled	4/28	4/28	4/28	4/28	4/28	4/28						
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells sampled SV28, 27, 29, 33, 34 and 30
wells drilled SV30, SV31, SV32 and SV37
2) At a depth of 15' all wells were high, at the lower depth wells were low except SV33, SV34
3) Sampling will continue with SV31, 32 and 37

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV31-15	15	478	1	4/29/11	0913	Isopropyl	RG	0918	
SV31-5	5	357	1	4/29/11	0949	11	RG	0954	
SV32-15	15	453	1	4/29/11	1024	11	RG	1029	
SV32-5	5	357	1	4/29/11	1057	11	RG	1102	
SV45-15	15	478	1	4/29/11	1126	11	RG	1131	
SV45-5	5	357	1	4/29/11	1157	11	RG	1202	
SV37-15	15	478	1	4/29/11	1304	11	RG	1309	
SV37-5	5	357	1	4/29/11	1335	11	RG	1340	
SV44-15	15	478	1	4/29/11	1403	11	RG	1407	
SV44-5	5	357	1	4/29/11	1431	11	RG	1436	
SV44-5	5	—	—	4/29/11	1458	11	RG	1503	Duplicate
SV43-15	15	478	1	4/29/11	1528	11	RG	1533	
SV43-5	5	357	1	4/29/11	1553	11	RG	1558	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 4/29/11

Field Staff: RG, RT, BH

Well ID (SV01 - SV25)	SV31	SV32	SV45	SV37	SV44	SV43	SV38					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed			4/29		4/29	4/29	4/29					Residential
Well Sampled	4/29	4/29	4/29	4/29	4/29	4/29						
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells drilled and constructed - SV44, SV45, SV43 and SV38. Wells sampled - SV31, SV32, SV45, SV37, SV44 and SV43.
2) Wells SV31, SV37 deep and SV44 were high. Wells SV32, SV37 shallow and SV45 were low
3) Next Monday sampling will be confirmation sampling and split sampling with the EPA. No Drilling

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV38-15	15	478	1	5/2/11	0847	Isopropyl	RG	0852	
SV38-5	5	357	1	5/2/11	0917	"	RG	0922	
SV06-15	15	492	3 tubing	5/2/11	1017	"	RG	1022	replica and split sample
SV06-5	5	203	3 tubing	5/2/11	1049	"	RG	1054	
SV25-15	15	492	3 tubing	5/2/11	1133	"	RG	1139	replica and split sample
SV25-15	15	—	—	5/2/11	1215	"	RG	1220	resample
SV25-5	5	203	3 tubing	5/2/11	1321	"	RG	1326	
SV12-15	15	492	3 tubing	5/2/11	1404	"	RG	1409	split sample
SV12-5	5	203	3 tubing	5/2/11	1438	"	RG	1443	Split sample
SV26-15	15	492	3 tubing	5/2/11	1510	"	RG	1515	replicate sample
SV26-15	15	—	—	5/2/11	1540	"	RG	1545	duplicate
SV26-5	5	203	3 tubing	5/2/11	1607	"	RG	1611	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/2/11

Field Staff: RG, RT

Well ID (SV01 - SV25)	SV38	SV06	SV25	SV12	SV26							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												Residential
Well Sampled	5/2	5/2	5/2	5/2	5/2							
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV38, 06, 25, 12 and 26
Split samples with EPA on SV06-15, SV25-15, SV12-15 and SV12-5
replicate samples on SV06-5, SV25-15 and SV26-15
2) New well SV38 results were low

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV03-15	15	492	3 Tubings	5/3/11	0837	Isopropyl	RG	0843	
SV03-5	5	203	3 tubings	5/3/11	0907	11	RG	0912	
SV14-15	15	492	3 tubing	5/3/11	0939	11	RG	0945	
SV14-5	5	203	3 tubing	5/3/11	1012	11	RG	1017	
SV14-5	5	—	—	5/3/11	1039	11	RG	1045	duplicate
SV15-15	15	492	3 tubing	5/3/11	1110	11	RG	1115	
SV15-5	5	203	3 tubing	5/3/11	1138	11	RG	1143	
SV16-15	15	492	3 tubing	5/3/11	1206	11	RG	1211	
SV16-5	5	203	3 tubing	5/3/11	1234	11	RG	1239	
SV17-15	15	492	3 tubing	5/3/11	1346	11	RG	1351	
SV17-5	5	203	3 tubing	5/3/11	1415	11	RG	1421	
SV13-15	15	492	3 tubing	5/3/11	1447	11	RG	1452	replica
SV13-5	5	203	3 tubing	5/31/11	1517	11	RG	1522	
SV13-5	5	—	—	5/31/11	1547	11	RG	1552	resample

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/3/11
Field Staff: RG, RT

Well ID (SV01 - SV25)	SV03	SV14	SV15	SV16	SV17	SV13						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/3	5/3	5/3	5/3	5/3	5/3						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells sampled SV03, SV14, SV15, SV16, SV17, SV13
2) All wells results were low except SV13

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV23-15	15	492	3 tubing	5/4/11	0901	Isopropyl	RG	0906	Split sample
SV23-5	5	203	3 tubing	5/4/11	0930	"	RG	0935	
SV21-15	15	492	3 tubing	5/4/11	1002	"	RG	1007	Split sample
SV21-5	5	203	3 tubing	5/4/11	1034	"	RG	1039	
SV01-15	15	492	3 tubing	5/4/11	1108	"	RG	1113	Split sample
SV01-5	5	203	3 tubing	5/4/11	1148	"	RG	1152	
SV02-5	5	203	3 tubing	5/4/11	1219	"	RG	1222	Split sample Replica
SV02-5	5	—	—	5/4/11	1243	"	RG	1246	resample
SV02-15	15	492	3 tubing	5/4/11	1348	"	RG	1351	
SV09-15	15	492	3 tubing	5/4/11	1423	"	RG	1427	
SV09-15	15	—	—	5/4/11	1445	"	RG	1449	duplicate
SV09-5	5	203	3 tubing	5/4/11	1512	"	RG	1516	Pres gauge red 3 in. H.G during sample
SV08-15	15	492	3 tubing	5/4/11	1537	"	RG	1540	Out of Nitrogen Need to resample

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/4/11
Field Staff: RG, MB

Well ID (SV01 - SV25)	SV23	SV21	SV01	SV02	SV09							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/4/11	5/4/11	5/4/11	5/4/11	5/4/11							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sample wells SV23, 21, 01, 02 and 09. Split samples with EPA on SV23-15, SV21-15, SV01-15 and SV02-5
No drilling
2) Sample results - All results were low except for SV02
3) Start sampling on SV08, SV07

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV08-15	15	492	3 tubing	5/5/11	1033	isopropyl	RG	1036	
SV08-15	15	—	—	5/15/11	1055	"	RG	1058	resample
SV08-5	5	203	3 tubing	5/5/11	1118	"	RG	1121	
SV07-15	15	492	3 tubing	5/5/11	1141	"	RG	1144	
SV07-5	5	203	3 tubing	5/5/11	1203	"	RG	1206	
SV07-5	5	—	—	5/5/11	1223	"	RG	1226	duplicate
SV10-15	15	492	3 tubing	5/5/11	1329	"	RG	1334	
SV10-5	5	203	3 tubing	5/5/11	1402	"	RG	1407	
SV11-15	15	492	3 tubing	5/5/11	1432	"	RG	1437	replica
SV11-5	5	203	3 tubing	5/5/11	1501	"	RG	1506	
SV22-15	15	492	3 tubing	5/5/11	1531	"	RG	1536	
SV22-5	5	203	3 tubing	5/5/11	1600	"	RG	1605	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/5/11
Field Staff: RG, MB

Well ID (SV01 - SV25)	SV08	SV07	SV10	SV11	SV22							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/5	5/5	5/5	5/5	5/5							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV08, 07, 10, 11, and 22, Replica sample on SV11-15
2) All results were very low except for SV11
3) Sample wells SV20, 18, 35 and 36

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV20-15	15	492	3 tubing	5/6/11	0835	Isopropyl	RG	0840	replica
SV20-5	5	203	3 tubing	5/6/11	0912	11	RG	0917	
SV18-15	15	492	3 tubing	5/6/11	0941	11	RG	0948	
SV18-5	5	203	3 tubing	5/6/11	1011	11	RG	1015	
SV18-5	5	—	—	5/6/11	1036	11	RG	1041	duplicate
SV35-15	15	492	3 tubing	5/6/11	1110	11	RG	1117	
SV35-15	15	—	—	5/6/11	1149	11	RG	1155	resample
SV35-5	5	203	3 tubing	5/6/11	1223	11	RG	1229	
SV35-5	5	—	—	5/6/11	1253	11	RG	1259	resample
SV45-15	15	492	3 tubing	5/6/11	1357	11	RG	1402	
SV45-5	5	203	3 tubing	5/6/11	1424	11	RG	1429	
SV36-15	15	492	3 tubing	5/6/11	1455	11	RG	1500	
SV36-15	15	—	—	5/6/11	1522	11	RG	1527	resample
SV36-5	5	203	3 tubing	5/6/11	1551	11	RG		

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/6/4
Field Staff: RG, RT

Well ID (SV01 - SV25)	SV20	SV18	SV35	SV45	SV36							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/6	5/6	5/6	5/6	5/6							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV20, 18, 35, 45 and 36. Replica sample on SV20-15
2) Test results, High results were found on SV20, SV35, SV45-15
Low results were found on SV18, SV45-5

3) On Monday start sampling SV19, 27, 28, 29, 33 and 34

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV19-15	15	492	3 tubing	5/9/2011	0843	isopropyl	RG	0848	
SV19-5	5	203	3 tubing	5/9/11	0915	"	RG	0921	
SV27-15	15	492	3 tubing	5/9/11	0945	"	RG	0950	
SV27-5	5	203	3 tubing	5/9/11	1015	"	RG	1020	
SV28-15	15	492	3 tubing	5/9/11	1045	"	RG	1050	
SV28-15	15	—	—	5/9/11	1111	"	RG	1116	duplicate
SV28-5	5	203	3 tubing	5/9/11	1140	"	RG	1146	
SV18-15	15	492	3 tubing	5/9/11	1212	"	RG	1216	replica
SV29-15	15	492	3 tubing	5/9/11	1318	"	RG	1323	
SV29-15	15	—	—	5/9/11	1358	"	RG	1403	resample
SV29-5	5	203	3 tubing	5/9/11	1423	"	RG	1429	
SV33-15	15	492	3 tubing	5/9/11	1455	"	RG	1500	
SV33-5	5	203	3 tubing	5/9/11	1523	"	RG	1528	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/9/11
Field Staff: RG, RT

Well ID (SV01 - SV25)	SV19	SV27	SV28	SV18-15	SV29	SV33						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/9	5/9	5/9	5/9	5/9	5/9						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Sampled wells SV 19, 27, 28, 18-15, 29 and 33
2) Results were low is wells 19, 18 results were high in wells 27, 28 and 29
3) Sampling will resume on SV 34, 30, 31, 32, 37 and 38

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV34-15	15	492	3 tubing	5/10/11	0842	Isopropyl	RG	0847	
SV34-15	15	—	—	5/10/11	0907	"	RG	0912	
SV34-5	5	203	3 tubing	5/10/11	0937	"	RG	0942	
SV31-15	15	492	3 tubing	5/10/11	1008	"	RG	1013	
SV31-5	5	203	3 tubing	5/10/11	1046	"	RG	1051	
SV32-15	15	492	3 tubing	5/10/11	1120	"	RG	1126	
SV32-5	5	203	3 tubing	5/10/11	1149	"	RG	1155	
SV39-15	15	453	1	5/10/11	1329	"	RG	1335	
SV39-5	5	357	1	5/10/11	1415	"	RG	1420	
SV40-15	15	435	1	5/10/11	1447	"	RG	1451	
SV40-15	15	—	—	5/10/11	1515	"	RG	1520	duplicate
SV40-5	5	357	1	5/10/11	1545	"	RG	1550	
SV30-15	15	492	3 tubing	5/10/11	1612	"	RG	1617	
SV30-5	5	203	3 tubing	5/10/11	1635	"	RG	1640	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/10/11

Field Staff: RG, AT, CM

Well ID (SV01 - SV25)	SV34	SV31	SV32	SV39	SV40	SV30						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed				5/10	5/10							
Well Sampled	5/10	5/10	5/10	5/10	5/10	5/10						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV34, 31, 32, 39, 40 and 30
Drilled wells SV39, 40 and two others
2) Wells with high results are SV34, SV31
wells with low results are SV32, 39 and 40

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV50-15	15	465	1	5/11/11	0825	Isopropyl	RG	0930	
SV50-5	5	357	1	5/11/11	0954	"	RG	0959	
SV62-15	15	453	1	5/11/11	1026	"	RG	1031	
SV62-15	15	—	—	5/11/11	1104	"	RG	1109	
SV62-5	5	357	1	5/11/11	1131	"	RG	1135	
SV59-15	15	472	1	5/11/11	1201	"	RG	1206	
SV59-5	5	357	1	5/11/11	1237	"	RG	1242	
SV63-15	15	459	1	5/11/11	1348	"	RG	1353	
SV63-5	5	357	1	5/11/11	1417	"	RG	1422	
SV37-15	15	492	3 tubing	5/11/11	1452	"	RG	1457	
SV37-5	5	203	3 tubing	5/11/11	1527	"	RG	1532	
SV43-15	15	492	3 tubing	5/11/11	1552	"	RG	1557	
SV43-5	5	203	3 tubing	5/11/11	1616	"	RG	1620	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/11/11

Field Staff: RG, RT, GM

Well ID (SV01 - SV25)	SV50	SV62	SV59	SV63	SV37	SV43						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed			5/11	5/11								
Well Sampled	5/11	5/11	5/11	5/11	5/11	5/11						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV50, 62, 59, 63, 37
Drilled wells SV59, 63
2) Analytical results were low for wells 50, 62, 59, 63
Analytical results were high for wells 37

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV47-15	15	453	1	5/12/11	0837	isopropyl	RG	0843	
SV47-15	15	—	—	5/12/11	0905	11	RG	0910	resample
SV47-5	5	357	1	5/12/11	0933	11	RG	0938	
SV51-15	15	459	1	5/12/11	1010	11	RG	1015	
SV51-5	5	357	1	5/12/11	1051	11	RG	1056	
SV54-15	15	453	1	5/12/11	1132	11	RG	1138	
SV54-15	15	—	—	5/12/11	1203	11	RG	1209	resample
SV54-5	5	357	1	5/12/11	1233	11	RG	1239	
SV54-5	5	—	—	5/12/11	1304	11	RG	1310	resample
SV44-15	15	492	3 tubing	5/12/11	1405	11	RG	1410	
SV44-15	15	—	—	5/12/11	1433	11	RG	1437	duplicate
SV44-5	5	203	3 tubing	5/12/11	1459	11	RG	1503	
SV41-15	15	453	1	5/12/11	1530	11	RG	1535	
SV41-5	5	357	1	5/12/11	1600	11	RG	1605	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/12/11

Field Staff: RG, RT, GM

Well ID (SV01 - SV25)	SV47	SV51	SV54	SV44	SV41	SV48	SV49	SV42				Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed			5/12		5/12	5/12	5/12	5/12				
Well Sampled	5/12	5/12	5/12	5/12	5/12							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Drilled and constructed wells SV54, 41, 48, 49, and 42
Sampled wells SV47, 51, 54, 44, and 41.
2) Wells with analytical results were high - SV47, 51, 54, 44 and 41
3) Will sample wells SV42, 48, 49 and other confirmatory wells.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV49-15	15	453	1	5/13/11	0837	Isopropyl	RG	0839	
SV49-15Dup	15	—	—	5/13/11	0906	11	RG	0912	duplicate
SV49-5	5	357	1	5/13/11	0938	11	RG	0943	
SV48-15	15	465	1	5/13/11	1012	11	RG	1018	
SV48-5	5	357	1	5/13/11	1050	11	RG	1056	
SV42-15	15	453	1	5/13/11	1120	11	RG	1125	
SV42-5	5	369	1	5/13/11	1147	11	RG	1152	
SV65-15	15	453	1	5/13/11	1253	11	RG	1258	
SV65-5	5	357	1	5/13/11	1333	11	RG	1338	
SV58-15	15	453	1	5/13/11	1403	11	RG	1409	
SV58-15	15	—	—	5/13/11	1431	11	RG	1436	resample
SV58-5	5	357	1	5/13/11	1500	11	RG	1505	
SV58-5	5	—	—	5/13/11	1528	11	RG	1534	resample
SV57-15	15	471	1	5/13/11	1551	11	RG	1557	
SV57-15	15	—	—	5/13/11	1614	11	RG	1620	resample

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/13/11

Field Staff: RG, RT, GM

Well ID (SV01 - SV25)	SV49	SV48	SV42	SV65	SV58	SV57	SV56					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed				5/13	5/13	5/13	5/13					
Well Sampled	5/13	5/13	5/13	5/13	5/13	5/13						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Drill and Construct wells SV65, 58, 57, 56
Sample wells SV49, 48, 42, 65, 58
2) Analytical results were high for wells 49-15, 48-15, 58, 57
Analytical results were low for wells 49-5, 48-5, 42, 65
3) Sample SV 57, 56

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV57-5	5	1	357	5/16/11	0832	Isopropyl	RG	0838	
SV56-15	15	1	453	5/16/11	0911	11	RG	0917	
SV56-15	15	—	—	5/16/11	0944	11	RG	0950	Resample
SV56-5	5	1	357	5/16/11	1014	11	RG	1020	
SV56-5	5	—	—	5/16/11	1043	11	RG	1049	Resample
SV46-15	15	1	478	5/16/11	1111	11	RG	1116	
SV46-15	15	—	—	5/16/11	1137	11	RG	1141	Duplicate
SV46-5	5	1	357	5/16/11	1206	11	RG	1211	
SV49-15	15	3 tubing	492	5/16/11	1322	11	RG	1328	replica
SV49-5	5	3 tubing	203	5/16/11	1354	11	RG	1400	
SV48-15	15	3 tubing	492	5/16/11	1426	11	RG	1432	
SV48-5	5	3 tubing	203	5/16/11	1456	11	RG	1503	
SV38-15	15	3 tubing	492 ~~203~~ RG	5/16/11	1527	11	RG	1532	
SV38-5	5	3 tubing	203	5/16/11	1557	11	RG	1602	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/16/11

Field Staff: RG, RT

Well ID (SV01 - SV25)	SV57-5	SV56	SV46	SV49	SV48	SV38						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/16	5/16	5/16	5/16	5/16	5/16						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells sampled SV57-5, 56, 46, 49, 48 and 38
2) results of wells that are high - SV57, 56, 49-15, 48-15
   results of wells that are low SV46, 49-5, 48-5

3) Wells being sampled tomorrow - SV39, 40, 50, 62, 59, 63

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV59-15	15	492	3 tubing	5/17/11	0841	isopropyl	RG	0846	
SV59-15	15	—	—	5/17/11	0907	11	RG	0912	Duplicate
SV59-5	5	203	3 tubing	5/17/11	0937	11	RG	0942	
SV63-15	15	492	3 tubing	5/17/11	1005	11	RG	1010	
SV63-5	5	203	3 tubing	5/17/11	1034	11	RG	1039	
SV50-15	15	492	3 tubing	5/17/11	1103	11	RG	1108	
SV50-5	5	203	3 tubing	5/17/11	1131	11	RG	1137	
SV39-15	15	492	3 tubing	5/17/11	1203	11	RG	1208	
SV39-5	5	203	3 tubing	5/17/11	1231	11	RG	1236	
SV62-15	15	492	3 tubing	5/17/11	1334	11	RG	1339	
SV62-5	5	203	3 tubing	5/17/11	1402	11	RG	1407	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/17/11

Field Staff: RG RT

Well ID (SV01 - SV25)	SV59	SV63	SV50	SV39	SV62-15							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/17	5/17	5/17	5/17	5/17							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Wells sampled SV59, 63, 50, 39 and 62-15
2) Results were low for all samples
3) Start sampling on SV 62-5, SV40 and then follow drill rig
4) Ran out of nitrogen in the lab.

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV62-5	5 5/18/11	203	3 tubing	5/18/11	0827	Isopropyl	RG	0832	
SV40-15	15	492	3 tubing	5/18/11	0900	"	RG	0906	Replica
SV40-5	5	203	3 tubing	5/18/11	0937	"	RG	0943	
SV40-5	5	—	—	5/18/11	1005	"	RG	1011	Duplicate
SV61-15	15	4178	1	5/18/11	1037	"	RG	1042	
SV61-5	5	357	1	5/18/11	1109	"	RG	1116	
SV66-15	15	465	1	5/18/11	1142	"	RG	1147	
SV66-5	5	357	1	5/18/11	1211	"	RG	1216	
SV53-15	15	453	1	5/18/11	1323	"	RG	1329	
SV53-5	5	357	1	5/18/11	1356	"	RG	1403	
SV41-15	15	492	3 tubing	5/18/11	1444	"	RG	1449	
SV41-5	5	357	3 tubing	5/18/11	1511	"	RG	1516	
SV52-15	15	453	1	5/18/11	1539	"	RG	1544	
SV52-5	5	363	1	5/18/11	1606	"	RG	1611	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/18/14

Field Staff: RG, RT, GM

Well ID (SV01 - SV25)	SV62-5	SV40	SV61	SV66	SV53	SV41	SV52					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed			5/18	5/18	5/18		5/18					
Well Sampled	5/18	5/18	5/18	5/18	5/18	5/18	5/18					Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Wells drilled SV61, 66, 53, 52 and
Wells sampled SV62-5, 40, 61, 66, 53, 41 and 52
2) Wells with low results 62, 40, 61, RH 66
Wells with high results 61, 53, 41, 52
3) Wells sampling for tomorrow. Finish wells installed today and move to confirmation sampler

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV47-15	15	492	3 tubing	5/19/11	817	isopropyl	RG	0823	
SV47-15	15	—	—	5/19/11	0844	isopropyl	RG	0850	Resample
SV47-5	5	203	3 tubing	5/19/11	0913	11	RG	0919	
SV51-15	15	492	3 tubing	5/19/11	0945	11	RG	0951	
SV51-5	5	203	3 tubing	5/19/11	1014	11	RG	1020	
SV55-15	15	453	1	5/19/11	1044	11	RG	1051	
SV55-15	15	—	—	5/19/11	1114	11	RG	1120	Resample
SV55-5	5	203	1	5/19/11	1142	11	RG	1148	
SV55-5	5	—	—	5/19/11	1209	11	RG	1215	Duplicate
SV54-15	15	492	3 tubing	5/19/11	1320	11	RG	1327	
SV54-15	15	—	—	5/19/11	1347	11	RG	1354	Resample
SV54-15	15	—	—	5/19/11	1430	11	RG	1486	Resample
SV54-5	5	203	3 tubing	5/19/11	1457	11	RG	1503	
SV54-5	5	—	—	5/19/11	1544	11	RG	1551	
SV65-15	15	492	3 tubing	5/19/11	1613	11	RG	1620	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/19/11

Field Staff: RG, H&P

Well ID (SV01 - SV25)	SV47	SV51	SV55	SV54	SV65-15							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/19	5/19	5/19	5/19	5/19							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) wells samples SV47, 51, 55, 54, 65-15
2) wells with high results SV47, 51-15, 55-15, 54
   wells with low results SV51-5, 55-5
3) wells to be sampled tomorrow SV42, 58, 57, 56, 46, 65

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV65-5	5	203	3 tubing	5/20/11	0811	Isopropyl	RG	0816	
SV42-15	15	492	3 tubing	5/20/11	0843	"	RG	0848	
SV42-15	15	—	—	5/20/11	0908	"	RG	0913	Duplicate.
SV42-5	5	203	3 tubing	5/20/11	0935	"	RG	0940	
SV58-15	15	492	3 tubing	5/20/11	1005	"	RG	1010	
SV58-15	15	—	—	5/20/11	1115	"	RG	1120	Resample
SV58-5	5	203	3 tubing	5/20/11	1144	"	RG	1150	
SV58-5	5	—	—	5/20/11	1228	"	RG	1233	Resample
SV57-15	15	492	3 tubing	5/20/11	1332	"	RG	1337	
SV57-15	15	—	—	5/20/11	1401	"	RG	1407	Resample
SV57-5	5	203	3 tubing	5/20/11	1433	"	RG	1439	
SV56-15	15	492	3 tubing	5/20/11	1506	"	RG	1511	
SV56-15	15	—	—	5/20/11	1533	"	RG	1538	Resample
SV56-5	5	203	3 tubing	5/20/11	1600	"	RG	1605	
SV56-5	5	—	—	5/20/11	1623	"	RG	1628	Resample

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/20/11

Field Staff: RG

Well ID (SV01 - SV25)	SV65-5	SV42	SV58	SV57	SV56							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												Residential
Well Sampled	5/20	5/20	5/20	5/20	5/20							
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Sampled wells SV65-5, 42, 58, 57, 56
No Drilling

2) Wells with high results SV58, 57, 56
Wells with low results SV65-5, 42

3) Wells to be sampled Monday SV46, 61, 66, 53, 52

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV46-15	15	492	3 tubing	5/23/11	0834	Isopropyl	RG	0839	
SV46-5	5	203	3 tubing	5/23/11	0906	"	RG	0911	
SV61-15	15	492	"	"	0934	"	RG	0939	Replica
SV61-5	5	203	"	"	1006	"	RG	1011	
SV66-15	15	492	"	"	1033	"	RG	1039	
SV66-5	5	203	"	"	1100	"	RG	1106	
SV53-15	15	492	"	"	1130	"	RG	1136	
SV53-15	15	—	—	"	1200	"	RG	1207	Duplicate
SV53-5	5	203	3 tubing	"	1230	"	RG	1236	
SV52-15	15	492	"	"	1329	"	RG	1334	
SV52-15	15	—	—	"	1400	"	RG	1406	Resample
SV52-5	5	203	3 tubing	"	1430	"	RG	1435	
SV55-15	15	492	"	"	1501	"	RG	1507	
SV55-5	5	203	"	"	1533	"	RG	1539	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 5/23/11

Field Staff: RG

Well ID (SV01 - SV25)	SV46	SV61	SV66	SV53	SV52	SV55						Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	5/23	5/23	5/23	5/23	5/23	5/23						Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV 46, 61, 66, 53, 52, 55, Replica on SV 61-15
2) Wells with high results 61, 66, 53, 52, 55
Wells with low results 46

3) No sampling or Drilling Tomorrow

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV69-15	15	453	1	6/14/11	0808	Isopropyl	RG	1255	Suma Canister
SV69-5	5	357	1	6/14/11	0817	11	11	1255	Suma Canister

CLEAR CREEK ASSOCIATES

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV69-15	15'	492mL	3 Tubing	6/15/11	0818	isopropyl	RT	1139	
SV69-5	5'	203mL	3 Tubing	6/15/11	0838	"	RT		
SV72-15	15'	453mL	1 Vol.	6/15/11	0909	"	RT		
SV72-5	5'	357mL	1 Vol.	6/15/11	0921	"	RT		
SV71-15	15'	459mL	1 Vol.	6/15/11	0943 ~~0943~~	"	RT		
SV71-5	5'	357mL	1 Vol.	6/15/11	0957	"	RT		
SV64-15	15'	453mL	1 Vol.	6/15/11	1021	"	RT		
SV64-5	5'	357mL	1 Vol.	6/15/11	1034	"	RT		
SV67-15	15'	453mL	1 Vol	6/15/11	1057	"	RT		
SV67-15Dup	15'	—	—	6/15/11	1059	"	RT		
SV67-5	5'	357mL	1 Vol.	6/15/11	1112 ~~1012~~	"	RT		

CLEAR CREEK ASSOCIATES

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV60-15	15	453	1	6/16/11	1105	isopropyl	RG	1145	SUMA
SV60-5	5	357	1	6/16/11	1114	"	RG	1145	SUMA

CLEAR CREEK ASSOCIATES

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV75-15	—	—	—	6/17/11	1130	—	RG	1150	5uma Canister ambient air sample Near SV71&72
SV75-5	—	—	—	6/17/11	1136	—	RG	1150	5uma Canister ambient air sample near SV71&72

CLEAR CREEK ASSOCIATES

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV64-15	15	492	3 tubing	6/28/11	0910	isopropyl	RG	Fed Ex	EPA split sample
SV64-5	5	203			0923				
SV67-15	15	492			0943				EPA split sample
SV67-5	5	203			0957				
SV72-15	15	492			1020				EPA split sample EPA duplicate
SV72-5	5	203			1038				
SV71-15	15	492			1102				EPA split sample
SV71-5	5	203			1121				
SV60-15	15	492			1153				
SV60-5	5	203			1203				

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 6/28/11

Field Staff: RG

Well ID (SV01 - SV25)	SV64	SV67	SV72	SV71	SV60							Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	6/28	6/28	6/28	6/28	6/28							Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled wells SV 64, 67, 72, 71 and 60 both depths. EPA split samples on SV 64-15, 67-15, 72-15 and 71-15
EPA duplicate on SV 72-15

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes		
									Start Vac	End Vac	
SV73-15	15'	453 mL	tubing + sandpack	7/28/11	0832	isopropyl	RT	FedEx	27.0	10.5	
SV73-5	5'	357 mL	↓	↓	0851	↓	↓	↓	27.0	8.0	
SV74-15	15'	429 mL			0919				26.0	10.0	
SV74-5	5'	357 mL			0932				27.5	13.0	
SV75-15	15'	453 mL			1002				26.5	8.5	
SV75-15 dup	15'	—	—		1007				26.5	8.5	
SV75-5	5'	357 mL	tubing + sandpack		1022				27.0	15.0	
SV76-15	15'	453 mL	↓		1053				26.5	9.5	
SV76-5	5'	357 mL			1107				27.5	9.5	
SV77-15	15'	453 mL			1130				27.0	9.5	Note: SV78-15
SV77-5	5'	357 mL			1139				25.0	9.0	Vapor probe lead not long enough to clear vault.
SV78-15	15'	466 mL			1233				30.5	10.0	SV78-15 would not hold 10" vacuum – bad choke. Swapped out.
SV78-5	5'	357 mL			1244				27.0	8.5	
SV79-15	15'	466 mL			1311				26.0	8.5	
SV79-5	5'	357 mL	↓	↓	1319	↓	↓	↓	27.0	8.5	

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date:

Field Staff:

Well ID (SV01 - SV25)	SV73	SV74	SV75	SV76	SV77	SV78	SV79					Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	7/28	7/28	7/28	7/28	7/28	7/28	7/28					Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (if applicable)

1) Sampled SV73, SV74, SV75, SV76, SV77, SV78, and SV79 at 5' and 15' depths. Duplicate on SV75-15

Soil Gas Sample Log

Sample ID	Depth Sampled	Purge Volume	# of Purge Volumes	Date	Time	Leak Check Compound	Sampler	Time Delivered to the Lab	Site Conditions/Notes
SV72-15	15'	492mL	3 tubing	8/1/11	0816	isopropyl	RT	Shipped via UPS	Start vac = 27.0 " Hg end vac = 4.0 " Hg
SV72-5	5'	203mL	↓	↓	0830	↓	↓	↓	Start vac = 25.0 end vac = 3.5
SV77-15	15'	492mL	↓	↓	0846	↓	↓	↓	Start vac = 28.5 end vac = 4.5
SV77-5	5'	203mL	↓	↓	0900	↓	↓	↓	Start vac = 29.0 end vac = 4.5
SV76-15	15'	492mL	↓	↓	0932	↓	↓	↓	Start vac = 27.5 end vac = 3.5
SV76-5	5'	203mL	↓	↓	0943	↓	↓	↓	Start vac = 26.0 end vac = 4.0
SV75-15	15'	492mL	↓	↓	1007	↓	↓	↓	Start vac = 25.5 end vac = 3.0
SV75-5	5'	203mL	↓	↓	1021	↓	↓	↓	Start vac = 27.0 end vac = 4.0
SV74-15	15'	492mL	↓	↓	1041	↓	↓	↓	Start vac = 27.5 end vac = 5.0
SV74-5	5'	203mL	↓	↓	1051	↓	↓	↓	Start vac = 28.5 end vac = 5.0
SV73-15	15'	492mL	↓	↓	1116	↓	↓	↓	Start vac = 28.5 end vac = 5.0
SV73-5	5'	203mL	↓	↓	1129	↓	↓	↓	Start vac = 28.5 end vac = 4.0
SV78-15	15'	492mL	↓	↓	1150	↓	↓	↓	Start vac = 26.0 end vac = 3.5
SV78-5	5'	203mL	↓	↓	1159	↓	↓	↓	Start vac = 27.5 end vac = 5.0
SV79-15	15'	492mL	↓	↓	1228	↓	↓	↓	Start vac = 27.0 end vac = 4.5
SV79-15dup	15'	—	—	↓	1233	↓	↓	↓	Start vac = 27.5 end vac = 4.0
SV79-5	5'	203mL	3 tubing	↓	1247	↓	↓	↓	Start vac = 26.5 end vac = 3.0
SV71-15	15'	492mL	↓	↓	1422	↓	↓	↓	Start vac = 27.0 end vac = 4.0
SV71-5	5'	203mL	↓	↓	1430	↓	↓	↓	Start vac = 28.0 end vac = 4.5

CLEAR CREEK ASSOCIATES

DAILY FIELD ACTIVITY REPORT
SOIL GAS SAMPLING INVESTIGATION
52ND STREET SUPERFUND SITE, OU1 AREA, PHOENIX, ARIZONA

Date: 8/1/11

Field Staff: RT

Well ID (SV01 - SV25)	SV72	SV77	SV76	SV75	SV74	SV73	SV78	SV79	SV71			Soil Gas Human Health Screening Levels (SGHHSLs)
Well Constructed												
Well Sampled	8/1/11	8/1/11	8/1/11	8/1/11	8/1/11	8/1/11	8/1/11	8/1/11	8/1/11			Residential
	Detected Compound Summary (Reported in ug/m3)											(ug/m^3)
Bromodichloromethane												29
Carbon Tetrachloride												180
Chlorobenzene												23,000
Chloroform												48
1,1-Dichloroethane												650
1,2-Dichloroethane (EDC)												41
1,1-Dichloroethene												91,000
cis-1,2-Dichloroethene												27,000
trans-1,2-Dichloroethene												27,000
Methylene Chloride (Dichloromethane)												2,300
1,1,2,2-Tetrachloroethane												18
Tetrachloroethene (PCE)												180
1,1,1-Trichloroethane												2,300,000
1,1,2-Trichloroethane												65
Trichloroethene (TCE)												520
Trichlorotrifluorethane (F113)												13,000,000
Vinyl Chloride												70

Daily Written Summary

1) Description of daily activities
2) Sampling data results summary
3) Anticipated activities for following day (including schedule updates with respect to overall project schedule)
4) Description of any problems/delays encountered during field activities and solutions implemented
5) Step-out boring description and rationale for locations (If applicable)

1) Sampled SV71, SV72, SV73, SV74, SV75, SV76, SV77, SV78 & SV79 at both 5' and 15' depths.
EPA splits on SV72-15 and SV77-15.
Duplicate on SV79-15

Appendix D

Laboratory Reports

(Provided in CD of report)

This page intentionally left blank for duplex printing

H&P Mobile Geochemistry Inc.

28 April 2011

Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: MC041811-A2
Client Project: Task Order 2011-01/ Motorola

Dear Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/18/2011 -4/23/2011 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01/ Motorola
Project Manager: Todd Cruse

Reported:
28-Apr-11 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV25-15, P670cc	E104060-01	Vapor	18-Apr-11	18-Apr-11
SV25-15 Dup, P770cc	E104060-02	Vapor	18-Apr-11	18-Apr-11
SV25-5, P506cc	E104067-01	Vapor	19-Apr-11	19-Apr-11
SV24-15, P453cc	E104067-02	Vapor	19-Apr-11	19-Apr-11
SV24-5, P381cc	E104067-03	Vapor	19-Apr-11	19-Apr-11
SV05-15, P550cc	E104067-04	Vapor	19-Apr-11	19-Apr-11
SV05-5, P405cc	E104067-05	Vapor	19-Apr-11	19-Apr-11
SV04-15, P502cc	E104067-06	Vapor	19-Apr-11	19-Apr-11
SV04-15 Dup, P552cc	E104067-07	Vapor	19-Apr-11	19-Apr-11
SV04-5, P381cc	E104067-08	Vapor	19-Apr-11	19-Apr-11
SV26-15, P550cc	E104071-01	Vapor	20-Apr-11	20-Apr-11
SV26-5, P430cc	E104071-02	Vapor	20-Apr-11	20-Apr-11
SV03-15, P550cc	E104071-03	Vapor	20-Apr-11	20-Apr-11
SV03-5, P406cc	E104071-04	Vapor	20-Apr-11	20-Apr-11
SV15-15, P502cc	E104071-05	Vapor	20-Apr-11	20-Apr-11
SV15-5, P406cc	E104071-06	Vapor	20-Apr-11	20-Apr-11
SV16-15, P453cc	E104071-07	Vapor	20-Apr-11	20-Apr-11
SV16-5, P357cc	E104071-08	Vapor	20-Apr-11	20-Apr-11
SV17-15, P502cc	E104071-09	Vapor	20-Apr-11	20-Apr-11
SV17-5, P406cc	E104071-10	Vapor	20-Apr-11	20-Apr-11
SV17-5 Dup, P456cc	E104071-11	Vapor	20-Apr-11	20-Apr-11
SV14-15, P478cc	E104071-12	Vapor	20-Apr-11	20-Apr-11
SV14-5, P381cc	E104071-13	Vapor	20-Apr-11	20-Apr-11
SV13-15, P526cc	E104079-01	Vapor	21-Apr-11	21-Apr-11
SV13-5, P357cc	E104079-02	Vapor	21-Apr-11	21-Apr-11
SV09-15, P542cc	E104079-03	Vapor	21-Apr-11	21-Apr-11
SV09-5, P381cc	E104079-04	Vapor	21-Apr-11	21-Apr-11
SV14-15, P955cc	E104079-05	Vapor	21-Apr-11	21-Apr-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01/ Motorola
Project Manager: Todd Cruse

Reported:
28-Apr-11 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV13-15_3PV, P1052cc	E104079-06	Vapor	21-Apr-11	21-Apr-11
SV08-15, P521cc	E104079-07	Vapor	21-Apr-11	21-Apr-11
SV08-5, P425cc	E104079-08	Vapor	21-Apr-11	21-Apr-11
SV08-5 Dup, P475cc	E104079-09	Vapor	21-Apr-11	21-Apr-11
Equipment Blank	E104094-01	Vapor	22-Apr-11	22-Apr-11
SV07-15, P478cc	E104094-02	Vapor	22-Apr-11	22-Apr-11
SV07-5, P381cc	E104094-03	Vapor	22-Apr-11	22-Apr-11
SV06-15, P478cc	E104094-04	Vapor	22-Apr-11	22-Apr-11
SV06-15 Dup, P528cc	E104094-05	Vapor	22-Apr-11	22-Apr-11
SV06-5, P381cc	E104094-06	Vapor	22-Apr-11	22-Apr-11
SV02-15, P164cc	E104101-01	Vapor	23-Apr-11	23-Apr-11
SV02-5, P357cc	E104101-02	Vapor	23-Apr-11	23-Apr-11
SV12-15, P453cc	E104101-03	Vapor	23-Apr-11	23-Apr-11
SV12-5, P381cc	E104101-04	Vapor	23-Apr-11	23-Apr-11
SV12-5 Dup, P431cc	E104101-05	Vapor	23-Apr-11	23-Apr-11
SV10-15, P453cc	E104101-06	Vapor	23-Apr-11	23-Apr-11
SV10-5, P357cc	E104101-07	Vapor	23-Apr-11	23-Apr-11
SV11-15, P453cc	E104101-08	Vapor	23-Apr-11	23-Apr-11
SV11-5, P357cc	E104101-09	Vapor	23-Apr-11	23-Apr-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV25-15, P670cc (E104060-01) Vapor Sampled: 18-Apr-11 Received: 18-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11803	18-Apr-11	18-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**66**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**100**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**92**	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**8600**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	**33**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.6 %*		*56-127*	"	"	"	"	
SV25-15 Dup, P770cc (E104060-02) Vapor Sampled: 18-Apr-11 Received: 18-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	5	ED11803	18-Apr-11	18-Apr-11	EPA TO-15	
Vinyl chloride	ND	64	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	190	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	88	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	**200**	120	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	140	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	64	"	"	"	"	"	"	
Trichloroethene	**8700**	140	"	"	"	"	"	"	
Bromodichloromethane	ND	170	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	140	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV25-15 Dup, P770cc (E104060-02) Vapor Sampled: 18-Apr-11 Received: 18-Apr-11									
Tetrachloroethene	ND	170	ug/m3	5	ED11803	18-Apr-11	18-Apr-11	EPA TO-15	
Chlorobenzene	ND	120	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	170	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*56-127*		"	"	"	"	
SV25-5, P506cc (E104067-01) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**47**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.9 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV24-15, P453cc (E104067-02) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**27**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2400**	27	"	"	"	"	"	"	
Bromodichloromethane	**42**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**54**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.6 %*		*56-127*	"	"	"	"	
SV24-5, P381cc (E104067-03) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**59**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**450**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV24-5, P381cc (E104067-03) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.6 %*		*56-127*	"	"	"	"	
SV05-15, P550cc (E104067-04) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**140**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**58**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**150**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV05-5, P405cc (E104067-05) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**60**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**45**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.4 %*		*56-127*	"	"	"	"	
SV04-15, P502cc (E104067-06) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**57**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**46**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV04-15, P502cc (E104067-06) Vapor	**Sampled: 19-Apr-11**	**Received: 19-Apr-11**							
Tetrachloroethene	**550**	34	ug/m3	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.3 %*		*56-127*	"	"	"	"	
SV04-15 Dup, P552cc (E104067-07) Vapor	**Sampled: 19-Apr-11**	**Received: 19-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**55**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**51**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**450**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV04-5, P381cc (E104067-08) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**380**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.0 %*		*56-127*	"	"	"	"	
SV26-15, P550cc (E104071-01) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**96**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3200**	27	"	"	"	"	"	"	
Bromodichloromethane	**48**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV26-15, P550cc (E104071-01) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	**57**	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.9 %*		*56-127*	"	"	"	"	
SV26-5, P430cc (E104071-02) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**60**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**71**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.5 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV03-15, P550cc (E104071-03) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**630**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**410**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**80**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.8 %*		*56-127*	"	"	"	"	
SV03-5, P406cc (E104071-04) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**330**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**220**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV03-5, P406cc (E104071-04) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	**47**	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.8 %*		*56-127*	"	"	"	"	
SV15-15, P502cc (E104071-05) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**67**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV15-5, P406cc (E104071-06) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**25**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**30**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*		*56-127*	"	"	"	"	
SV16-15, P453cc (E104071-07) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**87**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**31**	27	"	"	"	"	"	"	
Bromodichloromethane	**35**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV16-15, P453cc (E104071-07) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.5 %*		*56-127*	"	"	"	"	
SV16-5, P357cc (E104071-08) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**44**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**35**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV17-15, P502cc (E104071-09) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**27**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1000**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	**59**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.8 %*		*56-127*	"	"	"	"	
SV17-5, P406cc (E104071-10) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**490**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**78**	27	"	"	"	"	"	"	
Bromodichloromethane	**71**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV17-5, P406cc (E104071-10) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.4 %*		*56-127*	"	"	"	"	
SV17-5 Dup, P456cc (E104071-11) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**460**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**53**	27	"	"	"	"	"	"	
Bromodichloromethane	**39**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**62**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*80.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-15, P478cc (E104071-12) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**42**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**130**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**310**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**190**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**74**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*65.6 %*		*56-127*	"	"	"	"	
SV14-5, P381cc (E104071-13) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**40**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**65**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-5, P381cc (E104071-13) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	**41**	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*67.2 %*		*56-127*	"	"	"	"	
SV13-15, P526cc (E104079-01) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**320**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**880**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**360**	40	"	"	"	"	"	"	
Chloroform	**71**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1200**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV13-5, P357cc (E104079-02) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**130**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**430**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**130**	40	"	"	"	"	"	"	
Chloroform	**43**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1700**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**510**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.3 %*		*56-127*	"	"	"	"	
SV09-15, P542cc (E104079-03) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	**28**	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**99**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV09-15, P542cc (E104079-03) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.0 %*		*56-127*	"	"	"	"	
SV09-5, P381cc (E104079-04) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**82**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**60**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.4 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-15, P955cc (E104079-05) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**29**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**150**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**380**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**240**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*		*56-127*	"	"	"	"	
SV13-15_3PV, P1052cc (E104079-06) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**310**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**790**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**360**	40	"	"	"	"	"	"	
Chloroform	**69**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3600**	27	"	"	"	"	"	"	
Bromodichloromethane	**48**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV13-15_3PV, P1052cc (E104079-06) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Tetrachloroethene	**1000**	34	ug/m3	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.3 %*	*56-127*		"	"	"	"	
SV08-15, P521cc (E104079-07) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**75**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**640**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**95**	27	"	"	"	"	"	"	
Bromodichloromethane	**67**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**46**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.8 %*	*56-127*		"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV08-5, P425cc (E104079-08) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**240**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**49**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.2 %*		*56-127*	"	"	"	"	
SV08-5 Dup, P475cc (E104079-09) Vapor Sampled: 21-Apr-11 Received: 21-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**35**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV08-5 Dup, P475cc (E104079-09) Vapor	**Sampled: 21-Apr-11**	**Received: 21-Apr-11**							
Tetrachloroethene	ND	34	ug/m3	1	ED12101	21-Apr-11	21-Apr-11	EPA TO-15	
Chlorobenzene	**46**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*77.3 %*	*56-127*		*"*	*"*	*"*	*"*	
Equipment Blank (E104094-01) Vapor	**Sampled: 22-Apr-11**	**Received: 22-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV07-15, P478cc (E104094-02) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**53**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**170**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**62**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.3 %*		*56-127*	"	"	"	"	
SV07-5, P381cc (E104094-03) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**61**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV07-5, P381cc (E104094-03) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Chlorobenzene	**41**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.9 %*	*56-127*		"	"	"	"	
SV06-15, P478cc (E104094-04) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**83**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV06-15 Dup, P528cc (E104094-05) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**84**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*		*56-127*	"	"	"	"	
SV06-5, P381cc (E104094-06) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**36**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV06-5, P381cc (E104094-06) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.4 %*		*56-127*	"	"	"	"	
SV02-15, P164cc (E104101-01) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**2200**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**6100**	96	"	2.5	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**40**	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**570**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4000**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1900**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV02-5, P357cc (E104101-02) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**860**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**4000**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**250**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3300**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**900**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.9 %*		*56-127*	"	"	"	"	
SV12-15, P453cc (E104101-03) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**69**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-15, P453cc (E104101-03) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*		*56-127*	"	"	"	"	
SV12-5, P381cc (E104101-04) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**88**	27	"	"	"	"	"	"	
Bromodichloromethane	**68**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*61.5 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-5 Dup, P431cc (E104101-05) Vapor	**Sampled: 23-Apr-11**	**Received: 23-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**65**	27	"	"	"	"	"	"	
Bromodichloromethane	**62**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**43**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*		*56-127*	"	"	"	"	
SV10-15, P453cc (E104101-06) Vapor	**Sampled: 23-Apr-11**	**Received: 23-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**61**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**280**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV10-15, P453cc (E104101-06) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.4 %*		*56-127*	"	"	"	"	
SV10-5, P357cc (E104101-07) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**91**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.0 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-15, P453cc (E104101-08) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**850**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.1 %*		*56-127*	"	"	"	"	
SV11-5, P357cc (E104101-09) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**86**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**290**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-5, P357cc (E104101-09) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11803 - TO-15										
Blank (ED11803-BLK1)				Prepared & Analyzed: 18-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*204*		*"*	*354*		*57.8*	*67-141*			*S-09*
Surrogate: Toluene-d8	*366*		*"*	*345*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*592*		*"*	*610*		*97.0*	*56-127*			
LCS (ED11803-BS1)				Prepared & Analyzed: 18-Apr-11						
Vinyl chloride	120	13	ug/m3	130		92.2	65-135			
1,1-Dichloroethene	200	20	"	202		98.9	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	350	39	"	387		89.5	65-135			
Methylene chloride (Dichloromethane)	170	18	"	177		97.5	65-135			
trans-1,2-Dichloroethene	230	40	"	202		113	65-135			
1,1-Dichloroethane	230	41	"	206		112	65-135			
cis-1,2-Dichloroethene	190	40	"	202		96.2	65-135			
Chloroform	240	25	"	247		96.1	65-135			
1,1,1-Trichloroethane	230	28	"	276		82.1	65-135			
1,2-Dichloroethane (EDC)	190	21	"	206		92.4	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11803 - TO-15										
LCS (ED11803-BS1)				Prepared & Analyzed: 18-Apr-11						
Carbon tetrachloride	240	13	ug/m3	320		76.4	65-135			
Trichloroethene	320	27	"	272		117	65-135			
1,1,2-Trichloroethane	310	28	"	276		111	65-135			
Tetrachloroethene	370	34	"	345		107	65-135			
1,1,2,2-Tetrachloroethane	350	35	"	349		99.0	65-135			
Surrogate: 1,2-Dichloroethane-d4	*265*		*"*	*354*		*75.0*	*67-141*			
Surrogate: Toluene-d8	*330*		*"*	*345*		*95.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*539*		*"*	*610*		*88.2*	*56-127*			
Batch ED11906 - TO-15										
Blank (ED11906-BLK1)				Prepared & Analyzed: 19-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*226*		*"*	*354*		*63.9*	*67-141*			*S-09*
Surrogate: Toluene-d8	*348*		*"*	*345*		*101*	*75-125*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01/ Motorola
Project Manager: Todd Cruse

Reported:
28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED11906 - TO-15										
Blank (ED11906-BLK1)				Prepared & Analyzed: 19-Apr-11						
Surrogate: 4-Bromofluorobenzene	*541*		*ug/m3*	*610*		*88.6*	*56-127*			
LCS (ED11906-BS1)				Prepared & Analyzed: 19-Apr-11						
Vinyl chloride	140	13	ug/m3	130		107	65-135			
1,1-Dichloroethene	220	20	"	202		110	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	360	39	"	387		93.7	65-135			
Methylene chloride (Dichloromethane)	190	18	"	177		105	65-135			
trans-1,2-Dichloroethene	230	40	"	202		116	65-135			
1,1-Dichloroethane	250	41	"	206		124	65-135			
cis-1,2-Dichloroethene	220	40	"	202		107	65-135			
Chloroform	260	25	"	247		106	65-135			
1,1,1-Trichloroethane	320	28	"	276		116	65-135			
1,2-Dichloroethane (EDC)	210	21	"	206		102	65-135			
Carbon tetrachloride	330	13	"	320		103	65-135			
Trichloroethene	310	27	"	272		115	65-135			
1,1,2-Trichloroethane	290	28	"	276		106	65-135			
Tetrachloroethene	330	34	"	345		95.2	65-135			
1,1,2,2-Tetrachloroethane	340	35	"	349		97.1	65-135			
Surrogate: 1,2-Dichloroethane-d4	*279*		*"*	*354*		*78.8*	*67-141*			
Surrogate: Toluene-d8	*371*		*"*	*345*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*509*		*"*	*610*		*83.3*	*56-127*			
Batch ED12002 - TO-15										
Blank (ED12002-BLK1)				Prepared & Analyzed: 20-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12002 - TO-15										
Blank (ED12002-BLK1)				Prepared & Analyzed: 20-Apr-11						
cis-1,2-Dichloroethene	ND	40	ug/m3							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*240*		*"*	*354*		*67.8*	*67-141*			
Surrogate: Toluene-d8	*338*		*"*	*345*		*97.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*514*		*"*	*610*		*84.3*	*56-127*			
LCS (ED12002-BS1)				Prepared & Analyzed: 20-Apr-11						
Vinyl chloride	140	13	ug/m3	130		110	65-135			
1,1-Dichloroethene	220	20	"	202		109	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	340	39	"	387		88.2	65-135			
Methylene chloride (Dichloromethane)	190	18	"	177		108	65-135			
trans-1,2-Dichloroethene	250	40	"	202		126	65-135			
1,1-Dichloroethane	260	41	"	206		127	65-135			
cis-1,2-Dichloroethene	240	40	"	202		117	65-135			
Chloroform	260	25	"	247		107	65-135			
1,1,1-Trichloroethane	280	28	"	276		102	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		109	65-135			
Carbon tetrachloride	350	13	"	320		108	65-135			
Trichloroethene	330	27	"	272		123	65-135			
1,1,2-Trichloroethane	310	28	"	276		114	65-135			
Tetrachloroethene	330	34	"	345		96.8	65-135			
1,1,2,2-Tetrachloroethane	360	35	"	349		104	65-135			
Surrogate: 1,2-Dichloroethane-d4	*254*		*"*	*354*		*71.7*	*67-141*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12002 - TO-15										
LCS (ED12002-BS1)				Prepared & Analyzed: 20-Apr-11						
Surrogate: Toluene-d8	*346*		*ug/m3*	*345*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*487*		*"*	*610*		*79.7*	*56-127*			
Batch ED12101 - TO-15										
Blank (ED12101-BLK1)				Prepared & Analyzed: 21-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*260*		*"*	*354*		*73.6*	*67-141*			
Surrogate: Toluene-d8	*334*		*"*	*345*		*96.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*553*		*"*	*610*		*90.7*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12101 - TO-15										
LCS (ED12101-BS1)				Prepared & Analyzed: 21-Apr-11						
Vinyl chloride	140	13	ug/m3	130		108	65-135			
1,1-Dichloroethene	260	20	"	202		129	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	370	39	"	387		96.2	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		123	65-135			
trans-1,2-Dichloroethene	270	40	"	202		133	65-135			
1,1-Dichloroethane	260	41	"	206		129	65-135			
cis-1,2-Dichloroethene	250	40	"	202		124	65-135			
Chloroform	290	25	"	247		118	65-135			
1,1,1-Trichloroethane	330	28	"	276		119	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		114	65-135			
Carbon tetrachloride	380	13	"	320		117	65-135			
Trichloroethene	310	27	"	272		114	65-135			
1,1,2-Trichloroethane	320	28	"	276		117	65-135			
Tetrachloroethene	300	34	"	345		87.4	65-135			
1,1,2,2-Tetrachloroethane	350	35	"	349		101	65-135			
Surrogate: 1,2-Dichloroethane-d4	*245*		*"*	*354*		*69.3*	*67-141*			
Surrogate: Toluene-d8	*348*		*"*	*345*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*508*		*"*	*610*		*83.2*	*56-127*			
Batch ED12205 - TO-15										
Blank (ED12205-BLK1)				Prepared & Analyzed: 22-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12205 - TO-15										
Blank (ED12205-BLK1)				Prepared & Analyzed: 22-Apr-11						
Carbon tetrachloride	ND	13	ug/m3							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*424*		*"*	*354*		*120*	*67-141*			
Surrogate: Toluene-d8	*330*		*"*	*345*		*95.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*633*		*"*	*610*		*104*	*56-127*			
LCS (ED12205-BS1)				Prepared & Analyzed: 22-Apr-11						
Vinyl chloride	150	13	ug/m3	130		115	65-135			
1,1-Dichloroethene	230	20	"	202		115	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	360	39	"	387		93.4	65-135			
Methylene chloride (Dichloromethane)	210	18	"	177		117	65-135			
trans-1,2-Dichloroethene	260	40	"	202		129	65-135			
1,1-Dichloroethane	270	41	"	206		129	65-135			
cis-1,2-Dichloroethene	220	40	"	202		110	65-135			
Chloroform	280	25	"	247		112	65-135			
1,1,1-Trichloroethane	300	28	"	276		108	65-135			
1,2-Dichloroethane (EDC)	190	21	"	206		90.9	65-135			
Carbon tetrachloride	340	13	"	320		105	65-135			
Trichloroethene	340	27	"	272		123	65-135			
1,1,2-Trichloroethane	340	28	"	276		124	65-135			
Tetrachloroethene	330	34	"	345		96.4	65-135			
1,1,2,2-Tetrachloroethane	320	35	"	349		90.5	65-135			
Surrogate: 1,2-Dichloroethane-d4	*327*		*"*	*354*		*92.4*	*67-141*			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*457*		*"*	*610*		*74.8*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12301 - TO-15										
Blank (ED12301-BLK1)				Prepared & Analyzed: 23-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: 1,2-Dichloroethane-d4	*301*		*"*	*354*		*85.0*	*67-141*			
Surrogate: Toluene-d8	*353*		*"*	*345*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*622*		*"*	*610*		*102*	*56-127*			
LCS (ED12301-BS1)				Prepared & Analyzed: 23-Apr-11						
Vinyl chloride	140	13	ug/m3	130		110	65-135			
1,1-Dichloroethene	230	20	"	202		116	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	350	39	"	387		91.3	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		114	65-135			
trans-1,2-Dichloroethene	260	40	"	202		128	65-135			
1,1-Dichloroethane	270	41	"	206		130	65-135			
cis-1,2-Dichloroethene	210	40	"	202		106	65-135			
Chloroform	280	25	"	247		114	65-135			
1,1,1-Trichloroethane	330	28	"	276		118	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		105	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12301 - TO-15										
LCS (ED12301-BS1)				Prepared & Analyzed: 23-Apr-11						
Carbon tetrachloride	360	13	ug/m3	320		114	65-135			
Trichloroethene	370	27	"	272		136	65-135			
1,1,2-Trichloroethane	360	28	"	276		129	65-135			
Tetrachloroethene	330	34	"	345		94.7	65-135			
1,1,2,2-Tetrachloroethane	260	35	"	349		75.4	65-135			
Surrogate: 1,2-Dichloroethane-d4	*427*		*"*	*354*		*121*	*67-141*			
Surrogate: Toluene-d8	*347*		*"*	*345*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*444*		*"*	*610*		*72.7*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Notes and Definitions

S-09	Surrogate recovery is outside of established control limits. Corrective action was taken.
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/18/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector:
Page: 1 of 1
Address: 6155 E. Indian School Road Suite 200, Scottsdale, AZ 85251-5499
Client Project # TASKORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd St. Site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☑ ~~N/A~~
Cold: ☐ Yes ☐ No ☑ ~~N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E104060/ED11803

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ TO-15 ☐ 8260B	VOC's: Short List/DTSC ☒ TO-15 ☐ 8260B	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER ~~1,1 DFA~~	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV25-15		670	1416	4/18/11	Vapor	Glass Syringe	1						X							X		
SV25-15Dup		770	1552	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	4/18/11	1620
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/19/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Email: ~~tccs~~ tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd St. Site, Phoenix, AZ
Phone: 480-659-7131 Fax: Turn around time:
Page: 1 of 1
Project Contact: Todd Cruse

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☒ ~~N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E1104067/ED11906

Sample Name	Field Point Name	Purge Vol (cc)	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER TPH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV25-5		506	0946	4/19/11	Vapor	Glass syringe	1						X							X		
SV25-15		453	1039				1						X							X		
SV24-5		381	1139				1						X							X		
SV05-15		550	1328				1						X							X		
SV05-5		405	1410				1						X							X		
SV04-15		502	1456				1						X							X		
SV04-15Dup		552	1529				1						X							X		
SV04-5		381	1607				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	4/19/2011	1440
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/20/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd, Suite 200 Scottsdale, AZ 85251-5499
Email: TCruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd St. Site, Phoenix, AZ
Phone: 480-659-7131
Page: 1 of 2
Project Contact: Todd Cruse
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E104071/ED12002

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY TPH gas	g d ext	8015M TPH	418.1 TRPH	VOC's: Full List 8260B TO-15	VOC's: Short List/DTSC 8260B TO-15	VOC's: SAM, 8260B SAM A SAM B	Naphthalene 8260B TO-15	Oxygenates 8260B TO-15	TPHv gas 8260B TO-15	Ketones 8260B TO-15	Other 8260B TO-15	Leak Check Compound 1,1 DFA OTHER TPH	Methane	Fixed Gases CO_2 O_2 N_2
								SOIL/GW					SOIL VAPOR/AIR ANALYSIS										
SV26-15		550	8:29	4/20/11	Vapor	Glass syringe	1							X							X		
SV26-5		430	9:06				1							X							X		
SV03-15		550	9:57				1							X							X		
SV03-5		406	10:34				1							X							X		
SV15-15		502	11:17				1							X							X		
SV15-5		406	11:49				1							X							X		
SV16-15		453	1259				1							X							X		
SV16-5		357	1336				1							X							X		
SV17-15		502	1410				1							X							X		
SV17-5		406	1449				1							X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	4/20/11	1700
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/20/2011
H&P Project # MC041811-A2
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd, Suite 200 Scottsdale, AZ 85251-5499
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd St. Site, Phoenix, AZ
Phone: 480-659-7131
Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 22°C

Special Instructions:

Lab Work Order # E104071/ED12002

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B BTEX/OXY TPH gas	8015M TPH g d ext	418.1 TRPH	VOC's: Full List 8260B TO-15	VOC's: Short List/DTSC 8260B TO-15	VOC's: SAM, 8260B SAM A SAM B	Naphthalene 8260B TO-15	Oxygenates 8260B TO-15	TPHv gas 8260B TO-15	Ketones 8260B TO-15	Other 8260B TO-15	Leak Check Compound 1,1 DFA OTHER TPH	Methane	Fixed Gases CO2 O2 N2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV17-5Dup		456	1524	4/20/11	Vapor	Glass Syringe	1						X							X		
SV14-15		478	1601	↓	↓	↓	1						X							X		
SV14-5		381	1628	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	4/20/2011	1700
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/21/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 1 of 1
Address: 6155 E. Indian School Road Suite 200, Scottsdale, AZ 85251-5499
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST. site, Phoenix, AZ
Email: tcuse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☐ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☐ ~~N/A~~
Cold: ☐ Yes ☐ No ☐ ~~N/A~~
Temperature: 23°C

Special Instructions:

Lab Work Order # E104079/ED12101

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER IPA	Methone	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV13-15		526	0847	4/21/11	Vapor	Glass Syringe	1						X							X		
SV13-5		357	0928				1						X							X		
SV09-15		542	1008				1						X							X		
SV09-5		381	1214				1						X							X		
SV14-15		955	1251				1						X							X		
SV13-15_3PV		prem 1052→~~1333~~	1333				1						X							X		
SV08-15		521	1446				1						X							X		
SV08-5		425	1542				1						X							X		
SV08-5Dup		475	1608	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	4/21/11	16:40
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/22/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates | Collector: Russell Granfors | Page: 1 of 1
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251 | Client Project # TASKORDER 2011-01 | Project Contact: Todd Cruse
Location: Motorola 52nd ST. Site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com | Phone: | Fax: | Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ~~☑ Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ~~☐ N/A~~
Cold: ☐ Yes ☐ No ~~☐ N/A~~
Temperature: 22°C

Special Instructions:

Lab Work Order # E104094/ED12205

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER TPH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
Equipment Blank	NOPV	~~478~~	1103	4/22/11	Vapor	Glass Syringe	1						X							X		
SV07-15		478	1143				1						X							X		
SV07-5		381	1213				1						X							X		
SV06-15		478	1400				1						X							X		
SV06-15 Dup		528	1432				1						X							X		
SV06-5		381	1508				1						X							X		
~~SV02-15~~		~~502~~	~~1553~~				1						X							X	mem	

4/22/11

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		HGP	4/22/11	17:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/23/2011
H&P Project # MC04181I-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd. Suite 200 Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com

Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST. Site, Phoenix, AZ
Phone: 480 659 7131

Page: 1 of 1
Project Contact: Todd Cruse
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 24°C

Special Instructions:

Lab Work Order # E104101 / ED12301

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOCs: Full List ☐ 8260B ☐ TO-15	VOCs: Short List/DTSC ☐ 8260B ☑ TO-15	VOCs: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ___ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER TPH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV02-15		164	0849	4/23/11	Vapor	Glass syringe	1						X							X		
SV02-5		357	0945				1						X							X		
SV12-15		453	1014				1						X							X		
SV12-5		381	1043				1						X							X		
SV12-5 Dup		431	1110				1						X							X		
SV10-15		453	1137				1						X							X		
SV10-5		357	1208				1						X							X		
SV11-15		453	1235				1						X							X		
SV11-5		357	1304				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	4/23/11	14:35

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

H&P Mobile Geochemistry Inc.

06 May 2011

Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: MC041811-A2
Client Project: Task Order 2011-01 / Motorola

Dear Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/25/2011 -4/29/2011 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
06-May-11 11:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV23-15, P478cc	E104102-01	Vapor	25-Apr-11	25-Apr-11
SV23-5, P357cc	E104102-02	Vapor	25-Apr-11	25-Apr-11
SV01-15, P478cc	E104102-03	Vapor	25-Apr-11	25-Apr-11
SV01-5, P357cc	E104102-04	Vapor	25-Apr-11	25-Apr-11
SV21-15, P478cc	E104102-05	Vapor	25-Apr-11	25-Apr-11
SV21-5, P357cc	E104102-06	Vapor	25-Apr-11	25-Apr-11
SV22-15, P478cc	E104102-07	Vapor	25-Apr-11	25-Apr-11
SV22-15 Dup, P528cc	E104102-08	Vapor	25-Apr-11	25-Apr-11
SV22-5, P381cc	E104102-09	Vapor	25-Apr-11	25-Apr-11
SV18-15, P478cc	E104102-10	Vapor	25-Apr-11	25-Apr-11
SV18-15 Dup, P528cc	E104102-11	Vapor	25-Apr-11	25-Apr-11
SV18-5, P357cc	E104102-12	Vapor	25-Apr-11	25-Apr-11
SV20-15, P453cc	E104107-01	Vapor	26-Apr-11	26-Apr-11
SV20-5, P357cc	E104107-02	Vapor	26-Apr-11	26-Apr-11
SV19-15, P453cc	E104107-03	Vapor	26-Apr-11	26-Apr-11
SV19-5, P381cc	E104107-04	Vapor	26-Apr-11	26-Apr-11
Equipment Blank	E104107-05	Vapor	26-Apr-11	26-Apr-11
SV35-15, P478cc	E104107-06	Vapor	26-Apr-11	26-Apr-11
SV35-15 Dup, P578cc	E104107-07	Vapor	26-Apr-11	26-Apr-11
SV35-5, P357cc	E104107-08	Vapor	26-Apr-11	26-Apr-11
SV36-15, P453cc	E104107-09	Vapor	26-Apr-11	26-Apr-11
SV36-5, P357cc	E104107-10	Vapor	26-Apr-11	26-Apr-11
SV24-15, P492cc	E104119-01	Vapor	27-Apr-11	27-Apr-11
SV24-5, P203cc	E104119-02	Vapor	27-Apr-11	27-Apr-11
SV05-15, P492cc	E104119-03	Vapor	27-Apr-11	27-Apr-11
SV05-5, P203cc	E104119-04	Vapor	27-Apr-11	27-Apr-11
SV04-15, P492cc	E104119-05	Vapor	27-Apr-11	27-Apr-11
SV04-5, P203cc	E104119-06	Vapor	27-Apr-11	27-Apr-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
06-May-11 11:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV04-5 Dup, P253cc	E104119-07	Vapor	27-Apr-11	27-Apr-11
SV28-15, P478cc	E104124-01	Vapor	28-Apr-11	28-Apr-11
SV28-5, P381cc	E104124-02	Vapor	28-Apr-11	28-Apr-11
SV27-15, P502cc	E104124-03	Vapor	28-Apr-11	28-Apr-11
SV27-5, P357cc	E104124-04	Vapor	28-Apr-11	28-Apr-11
SV29-15, P478cc	E104124-05	Vapor	28-Apr-11	28-Apr-11
SV29-5, P381cc	E104124-06	Vapor	28-Apr-11	28-Apr-11
SV29-5 Dup, P431cc	E104124-07	Vapor	28-Apr-11	28-Apr-11
SV33-15, P478cc	E104124-08	Vapor	28-Apr-11	28-Apr-11
SV33-5, P357cc	E104124-09	Vapor	28-Apr-11	28-Apr-11
SV34-15, P478cc	E104124-10	Vapor	28-Apr-11	28-Apr-11
SV34-5, P357cc	E104124-11	Vapor	28-Apr-11	28-Apr-11
SV30-15, P478cc	E104124-12	Vapor	28-Apr-11	28-Apr-11
SV30-5, P502cc	E104124-13	Vapor	28-Apr-11	28-Apr-11
SV31-15, P478cc	E104128-01	Vapor	29-Apr-11	29-Apr-11
SV31-5, P357cc	E104128-02	Vapor	29-Apr-11	29-Apr-11
SV32-15, P453cc	E104128-03	Vapor	29-Apr-11	29-Apr-11
SV32-5, P357cc	E104128-04	Vapor	29-Apr-11	29-Apr-11
SV45-15, P478cc	E104128-05	Vapor	29-Apr-11	29-Apr-11
SV45-5, P357cc	E104128-06	Vapor	29-Apr-11	29-Apr-11
SV37-15, P478cc	E104128-07	Vapor	29-Apr-11	29-Apr-11
SV37-5, P357cc	E104128-08	Vapor	29-Apr-11	29-Apr-11
SV44-15, P478cc	E104128-09	Vapor	29-Apr-11	29-Apr-11
SV44-5, P357cc	E104128-10	Vapor	29-Apr-11	29-Apr-11
SV44-5 Dup, P407cc	E104128-11	Vapor	29-Apr-11	29-Apr-11
SV43-15, P478cc	E104128-12	Vapor	29-Apr-11	29-Apr-11
SV43-5, P357cc	E104128-13	Vapor	29-Apr-11	29-Apr-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Two duplicates, SV22-15 Dup and SV18-15 Dup, were collected and analyzed on April 25, 2011. According to H&P's TO-15 SOP, vapor samples collected in a syringe should be analyzed and/or prepared appropriately within 15 minutes of sample collection. Sample SV22-15 Dup exceeded the 15 minute requirement for analysis or preparation. Both duplicates have been reported.

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV23-15, P478cc (E104102-01) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**29**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**38**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.0 %*		*56-127*	"	"	"	"	
SV23-5, P357cc (E104102-02) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**79**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV23-5, P357cc (E104102-02) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.9 %*	*56-127*		"	"	"	"	
SV01-15, P478cc (E104102-03) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.9 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV01-5, P357cc (E104102-04) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.8 %*		*56-127*	"	"	"	"	
SV21-15, P478cc (E104102-05) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**55**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV21-15, P478cc (E104102-05) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.8 %*		*56-127*	"	"	"	"	
SV21-5, P357cc (E104102-06) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**84**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*67.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV22-15, P478cc (E104102-07) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**43**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**88**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.8 %*		*56-127*	"	"	"	"	
SV22-15 Dup, P528cc (E104102-08) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							**A**
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**49**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**97**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV22-15 Dup, P528cc (E104102-08) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									**A**
Tetrachloroethene	**84**	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.0 %*	*56-127*		"	"	"	"	
SV22-5, P381cc (E104102-09) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**27**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**49**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**51**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.5 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15, P478cc (E104102-10) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**28**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**180**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*	*56-127*		"	"	"	"	
SV18-15 Dup, P528cc (E104102-11) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**29**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15 Dup, P528cc (E104102-11) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Tetrachloroethene	**100**	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	**24**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*68.9 %*	*56-127*		*"*	*"*	*"*	*"*	
SV18-5, P357cc (E104102-12) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**67**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*79.0 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV20-15, P453cc (E104107-01) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**41**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**190**	40	"	"	"	"	"	"	
Chloroform	**610**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**82**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.4 %*		*56-127*	"	"	"	"	
SV20-5, P357cc (E104107-02) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**71**	40	"	"	"	"	"	"	
Chloroform	**390**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**690**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV20-5, P357cc (E104107-02) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Tetrachloroethene	**52**	34	ug/m3	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.6 %*		*56-127*	"	"	"	"	
SV19-15, P453cc (E104107-03) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**67**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**200**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**45**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**180**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV19-5, P381cc (E104107-04) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**95**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**35**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**75**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.7 %*		*56-127*	"	"	"	"	
Equipment Blank (E104107-05) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Equipment Blank (E104107-05) Vapor	**Sampled: 26-Apr-11**	**Received: 26-Apr-11**							
Tetrachloroethene	ND	34	ug/m3	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.3 %*		*56-127*	"	"	"	"	
SV35-15, P478cc (E104107-06) Vapor	**Sampled: 26-Apr-11**	**Received: 26-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**52**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**150**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**50**	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**17000**	270	"	10	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**98**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.4 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV35-15 Dup, P578cc (E104107-07) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	10	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	130	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Carbon tetrachloride	ND	130	"	"	"	"	"	"	
Trichloroethene	**16000**	270	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
Chlorobenzene	ND	230	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.7 %*		*56-127*	"	"	"	"	
SV35-5, P357cc (E104107-08) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**47**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3300**	68	"	2.5	"	"	"	"	
Bromodichloromethane	**81**	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV35-5, P357cc (E104107-08) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*65.4 %*		*56-127*	"	"	"	"	
SV36-15, P453cc (E104107-09) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**52**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**59**	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3900**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**86**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*67.6 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV36-5, P357cc (E104107-10) Vapor Sampled: 26-Apr-11 Received: 26-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12601	26-Apr-11	26-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**79**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*118 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.5 %*		*56-127*	"	"	"	"	
SV24-15, P492cc (E104119-01) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**31**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**69**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**200**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2300**	27	"	"	"	"	"	"	
Bromodichloromethane	**42**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV24-15, P492cc (E104119-01) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Tetrachloroethene	**56**	34	ug/m3	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.5 %*		*56-127*	"	"	"	"	
SV24-5, P203cc (E104119-02) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**60**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**630**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.4 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV05-15, P492cc (E104119-03) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**120**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**82**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**100**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*61.2 %*		*56-127*	"	"	"	"	
SV05-5, P203cc (E104119-04) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**82**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**32**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**72**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV05-5, P203cc (E104119-04) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Tetrachloroethene	**96**	34	ug/m3	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.0 %*		*56-127*	"	"	"	"	
SV04-15, P492cc (E104119-05) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**47**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**440**	34	"	"	"	"	"	"	
Chlorobenzene	**54**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.0 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV04-5, P203cc (E104119-06) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**520**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**260**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.1 %*		*56-127*	"	"	"	"	
SV04-5 Dup, P253cc (E104119-07) Vapor Sampled: 27-Apr-11 Received: 27-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**440**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV04-5 Dup, P253cc (E104119-07) Vapor	**Sampled: 27-Apr-11**	**Received: 27-Apr-11**							
Tetrachloroethene	**210**	34	ug/m3	1	ED12702	27-Apr-11	27-Apr-11	EPA TO-15	
Chlorobenzene	**57**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*69.0 %*	*56-127*		*"*	*"*	*"*	*"*	
SV28-15, P478cc (E104124-01) Vapor	**Sampled: 28-Apr-11**	**Received: 28-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**86**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**490**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**970**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**180**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*79.7 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV28-5, P381cc (E104124-02) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**58**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**370**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**160**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*		*56-127*	"	"	"	"	
SV27-15, P502cc (E104124-03) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**170**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV27-15, P502cc (E104124-03) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Tetrachloroethene	**55**	34	ug/m3	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Chlorobenzene	**55**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*81.3 %*	*56-127*		*"*	*"*	*"*	*"*	
SV27-5, P357cc (E104124-04) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**33**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**260**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**51**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*75.8 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV29-15, P478cc (E104124-05) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**250**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4700**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**440**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.8 %*		*56-127*	"	"	"	"	
SV29-5, P381cc (E104124-06) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**66**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3400**	27	"	"	"	"	"	"	
Bromodichloromethane	**96**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV29-5, P381cc (E104124-06) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Tetrachloroethene	**130**	34	ug/m3	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Chlorobenzene	**29**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.6 %*	*56-127*		"	"	"	"	
SV29-5 Dup, P431cc (E104124-07) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**66**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2800**	27	"	"	"	"	"	"	
Bromodichloromethane	**94**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**98**	34	"	"	"	"	"	"	
Chlorobenzene	**53**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.5 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV33-15, P478cc (E104124-08) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**310**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**1600**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**320**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2400**	27	"	"	"	"	"	"	
Bromodichloromethane	**61**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**480**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.5 %*		*56-127*	"	"	"	"	
SV33-5, P357cc (E104124-09) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**51**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**400**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**32**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**970**	27	"	"	"	"	"	"	
Bromodichloromethane	**38**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV33-5, P357cc (E104124-09) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Tetrachloroethene	**200**	34	ug/m3	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.2 %*		*56-127*	"	"	"	"	
SV34-15, P478cc (E104124-10) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**32**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**210**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3600**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**210**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV34-5, P357cc (E104124-11) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2300**	27	"	"	"	"	"	"	
Bromodichloromethane	**100**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**79**	34	"	"	"	"	"	"	
Chlorobenzene	**60**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*56-127*	"	"	"	"	
SV30-15, P478cc (E104124-12) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**97**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**240**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**160**	40	"	"	"	"	"	"	
Chloroform	**49**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV30-15, P478cc (E104124-12) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Tetrachloroethene	**410**	34	ug/m3	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*		*56-127*	"	"	"	"	
SV30-5, P502cc (E104124-13) Vapor Sampled: 28-Apr-11 Received: 28-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12803	28-Apr-11	28-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**30**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**71**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**43**	40	"	"	"	"	"	"	
Chloroform	**37**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**150**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV31-15, P478cc (E104128-01) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**210**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**490**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**19**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**100**	40	"	"	"	"	"	"	
Chloroform	**99**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.6 %*		*56-127*	"	"	"	"	
SV31-5, P357cc (E104128-02) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**76**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**180**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**59**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**880**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV31-5, P357cc (E104128-02) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Tetrachloroethene	**190**	34	ug/m3	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.9 %*		*56-127*	"	"	"	"	
SV32-15, P453cc (E104128-03) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV32-5, P357cc (E104128-04) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.0 %*		*56-127*	"	"	"	"	
SV45-15, P478cc (E104128-05) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**43**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**48**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**76**	40	"	"	"	"	"	"	
Chloroform	**27**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**510**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV45-15, P478cc (E104128-05) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Tetrachloroethene	**150**	34	ug/m3	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*		*56-127*	"	"	"	"	
SV45-5, P357cc (E104128-06) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**28**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.4 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV37-15, P478cc (E104128-07) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**850**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**910**	27	"	"	"	"	"	"	
Bromodichloromethane	**100**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**63**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.6 %*		*56-127*	"	"	"	"	
SV37-5, P357cc (E104128-08) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**360**	27	"	"	"	"	"	"	
Bromodichloromethane	**38**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV37-5, P357cc (E104128-08) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.0 %*		*56-127*	"	"	"	"	
SV44-15, P478cc (E104128-09) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**23**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**73**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**330**	40	"	"	"	"	"	"	
Chloroform	**59**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**230**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.1 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV44-5, P357cc (E104128-10) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**48**	40	"	"	"	"	"	"	
Chloroform	**35**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**770**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*123 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.5 %*		*56-127*	"	"	"	"	
SV44-5 Dup, P407cc (E104128-11) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**26**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**690**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV44-5 Dup, P407cc (E104128-11) Vapor	**Sampled: 29-Apr-11**	**Received: 29-Apr-11**							
Tetrachloroethene	**90**	34	ug/m3	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Chlorobenzene	**30**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*84.8 %*	*56-127*		*"*	*"*	*"*	*"*	
SV43-15, P478cc (E104128-12) Vapor	**Sampled: 29-Apr-11**	**Received: 29-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**120**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**130**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**170**	40	"	"	"	"	"	"	
Chloroform	**64**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3500**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**360**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*65.8 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV43-5, P357cc (E104128-13) Vapor Sampled: 29-Apr-11 Received: 29-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12903	29-Apr-11	29-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**52**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**45**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.3 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12501 - TO-15										
Blank (ED12501-BLK1)				Prepared & Analyzed: 25-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*344*		*"*	*345*		*99.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*611*		*"*	*610*		*100*	*56-127*			
LCS (ED12501-BS1)				Prepared & Analyzed: 25-Apr-11						
Vinyl chloride	140	13	ug/m3	130		109	65-135			
1,1-Dichloroethene	220	20	"	202		108	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	340	39	"	387		89.1	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		113	65-135			
trans-1,2-Dichloroethene	250	40	"	202		122	65-135			
1,1-Dichloroethane	210	41	"	206		104	65-135			
cis-1,2-Dichloroethene	230	40	"	202		114	65-135			
Chloroform	260	25	"	247		107	65-135			
1,1,1-Trichloroethane	290	28	"	276		105	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		108	65-135			
Carbon tetrachloride	310	13	"	320		97.7	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12501 - TO-15										
LCS (ED12501-BS1)				Prepared & Analyzed: 25-Apr-11						
Trichloroethene	320	27	ug/m3	272		119	65-135			
1,1,2-Trichloroethane	310	28	"	276		113	65-135			
Tetrachloroethene	290	34	"	345		83.0	65-135			
1,1,2,2-Tetrachloroethane	290	35	"	349		84.0	65-135			
Surrogate: Toluene-d8	*356*		*"*	*345*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*488*		*"*	*610*		*79.9*	*56-127*			
Batch ED12601 - TO-15										
Blank (ED12601-BLK1)				Prepared & Analyzed: 26-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*330*		*"*	*345*		*95.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*510*		*"*	*610*		*83.6*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12601 - TO-15										
LCS (ED12601-BS1)				Prepared & Analyzed: 26-Apr-11						
Vinyl chloride	130	13	ug/m3	130		103	65-135			
1,1-Dichloroethene	220	20	"	202		107	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	330	39	"	387		84.1	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		111	65-135			
trans-1,2-Dichloroethene	250	40	"	202		124	65-135			
1,1-Dichloroethane	250	41	"	206		121	65-135			
cis-1,2-Dichloroethene	210	40	"	202		104	65-135			
Chloroform	260	25	"	247		105	65-135			
1,1,1-Trichloroethane	310	28	"	276		114	65-135			
1,2-Dichloroethane (EDC)	190	21	"	206		92.1	65-135			
Carbon tetrachloride	310	13	"	320		96.9	65-135			
Trichloroethene	320	27	"	272		118	65-135			
1,1,2-Trichloroethane	320	28	"	276		115	65-135			
Tetrachloroethene	320	34	"	345		93.0	65-135			
1,1,2,2-Tetrachloroethane	300	35	"	349		86.5	65-135			
Surrogate: Toluene-d8	*329*		*"*	*345*		*95.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*475*		*"*	*610*		*77.8*	*56-127*			
Batch ED12702 - TO-15										
Blank (ED12702-BLK1)				Prepared & Analyzed: 27-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12702 - TO-15										
Blank (ED12702-BLK1)				Prepared & Analyzed: 27-Apr-11						
Trichloroethene	ND	27	ug/m3							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*343*		*"*	*345*		*99.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*551*		*"*	*610*		*90.2*	*56-127*			
LCS (ED12702-BS1)				Prepared & Analyzed: 27-Apr-11						
Vinyl chloride	110	13	ug/m3	130		86.6	65-135			
1,1-Dichloroethene	200	20	"	202		97.7	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	270	39	"	387		69.4	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		112	65-135			
trans-1,2-Dichloroethene	210	40	"	202		104	65-135			
1,1-Dichloroethane	230	41	"	206		113	65-135			
cis-1,2-Dichloroethene	180	40	"	202		89.6	65-135			
Chloroform	230	25	"	247		93.8	65-135			
1,1,1-Trichloroethane	240	28	"	276		88.0	65-135			
1,2-Dichloroethane (EDC)	180	21	"	206		88.2	65-135			
Carbon tetrachloride	280	13	"	320		86.2	65-135			
Trichloroethene	270	27	"	272		99.7	65-135			
1,1,2-Trichloroethane	270	28	"	276		99.1	65-135			
Tetrachloroethene	280	34	"	345		81.8	65-135			
1,1,2,2-Tetrachloroethane	240	35	"	349		68.3	65-135			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*473*		*"*	*610*		*77.5*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12803 - TO-15										
Blank (ED12803-BLK1)				Prepared & Analyzed: 28-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*336*		*"*	*345*		*97.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*588*		*"*	*610*		*96.4*	*56-127*			
LCS (ED12803-BS1)				Prepared & Analyzed: 28-Apr-11						
Vinyl chloride	130	13	ug/m3	130		98.4	65-135			
1,1-Dichloroethene	190	20	"	202		95.3	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	290	39	"	387		75.4	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		91.7	65-135			
trans-1,2-Dichloroethene	200	40	"	202		101	65-135			
1,1-Dichloroethane	210	41	"	206		103	65-135			
cis-1,2-Dichloroethene	180	40	"	202		87.3	65-135			
Chloroform	230	25	"	247		93.9	65-135			
1,1,1-Trichloroethane	220	28	"	276		81.1	65-135			
1,2-Dichloroethane (EDC)	180	21	"	206		89.1	65-135			
Carbon tetrachloride	250	13	"	320		78.7	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12803 - TO-15										
LCS (ED12803-BS1)				Prepared & Analyzed: 28-Apr-11						
Trichloroethene	280	27	ug/m3	272		101	65-135			
1,1,2-Trichloroethane	290	28	"	276		104	65-135			
Tetrachloroethene	250	34	"	345		72.5	65-135			
1,1,2,2-Tetrachloroethane	240	35	"	349		69.3	65-135			
Surrogate: Toluene-d8	*337*		*"*	*345*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*539*		*"*	*610*		*88.2*	*56-127*			
Batch ED12903 - TO-15										
Blank (ED12903-BLK1)				Prepared & Analyzed: 29-Apr-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*354*		*"*	*345*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*549*		*"*	*610*		*89.9*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED12903 - TO-15										
LCS (ED12903-BS1)				Prepared & Analyzed: 29-Apr-11						
Vinyl chloride	150	13	ug/m3	130		112	65-135			
1,1-Dichloroethene	250	20	"	202		124	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		106	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		129	65-135			
trans-1,2-Dichloroethene	220	40	"	202		110	65-135			
1,1-Dichloroethane	190	41	"	206		91.6	65-135			
cis-1,2-Dichloroethene	240	40	"	202		121	65-135			
Chloroform	280	25	"	247		113	65-135			
1,1,1-Trichloroethane	340	28	"	276		122	65-135			
1,2-Dichloroethane (EDC)	260	21	"	206		124	65-135			
Carbon tetrachloride	390	13	"	320		122	65-135			
Trichloroethene	350	27	"	272		127	65-135			
1,1,2-Trichloroethane	300	28	"	276		108	65-135			
Tetrachloroethene	320	34	"	345		93.3	65-135			
1,1,2,2-Tetrachloroethane	270	35	"	349		76.2	65-135			
Surrogate: Toluene-d8	*356*		*"*	*345*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*430*		*"*	*610*		*70.5*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Notes and Definitions

A	This sample exceeded the 15 minute requirement for analysis or preparation.
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/25/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Road Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASKORDER 2011-01
Location: Motorola 52nd ST, site, Phoenix, AZ
Phone: 480-659-7131
Fax:
Page: 1 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 23°C

Special Instructions:

Lab Work Order # E104102/ED12501

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Kelones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER EPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV23-15		478	0938	4/25/11	Vapor	Glass Syringe	1						X							X		
SV23-5		~~375~~ 357	1034				1						X							X		
SV01-15		478	1117				1						X							X		
SV01-5		357	1147				1						X							X		
SV21-15		478	1241				1						X							X		
SV21-5		357	1316				1						X							X		
SV22-15		478	1348				1						X							X		
SV22-15 Dup		528	1418				1						X							X		
SV22-5		381	1452				1						X							X		
SV18-15		478	1524	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Gra	CCA		H&P	4/25/11	1625
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/25/2011
H&P Project #: MC041811-A2
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Email: tause@clearcreekassociates.com
Collector: Russell Granfors
Client Project #: THSKORDER2011-01
Location: Motorola 52nd ST. Site, Phoenix, AZ
Phone: 480-659-7131 Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 23°

Special Instructions:

Lab Work Order # E104102/ED12501

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1, 1 DFA ☒ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV18-15Dup		528	1551	4/25/11	Vapor	Glass syringe	1						X							X		
SV18-5		357	1615	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	4/25/2011	1625
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/26/2011
H&P Project # MC041811-A2
Outside Lab: _____

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd, Suite 200
Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com Phone: 4806597131

Collector: Russell Granfors
Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse
Location: Motorola 52nd ST site, Phoenix, AZ
Fax: _____ Turn around time: _____

Page: 1 of 1

EDF: Yes ☐ No ☐
Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Special Instructions:

E104107/ED12601

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC short list	TO-15: BTEX/MTBE	LCC (specify) T.P.H.	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	Total # of containers
SV20-15		453	0835	4/26/11	Vapor	Glass syringe									X		X				
SV20-5		357	0910												X		X				
SV19-15		453	0944												X		X				
SV19-5		381	1014												X		X				
Equipment Blank		—	1050												X		X				
SV35-15		478	1133												X		X				
SV35-15 Dup		578	1259												X		X				
SV35-5		357	1400												X		X				
SV36-15		453	1506												X		X				
SV36-5		357	1605												X		X				

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	4/26/11	1639
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/27/2011

H&P Project # MC041811-AZ

Outside Lab:

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ. 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Page: 1 of 1

Client Project # TASKORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST. site, Phoenix, AZ

Fax:

Turn around time:

EDF: Yes☐ No☐

Global ID:

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E104119/ED12702

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List	TO-15: BTEX/MTBE	LCC (specify) T, P, H	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV24-15		492	0857	4/27/11	Vapor	Glass Syringe									X		X							
SV24-5		203	0937												X		X							
SV05-15		492	1016												X		X							
SV05-5		203	1045												X		X							
SV04-15		492	1128												X		X							
SV04-5		203	1311												X		X							
SV04-5 Dup		253	1340	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	4/27/11	14:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/28/2011

H&P Project # MC041811-A2

Outside Lab:

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors Page: 1 of 2

Client Project # TASKORDER2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: Turn around time:

EDF: Yes ☐ No ☐

Global ID:

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E104124/ED12803

Sample Name	Field Point Name	Purge Vol cc	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List PTSC Short List	TO-15: BTEX/MTBE	LCC (specify) T.P.H.	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV28-15		478	0841	4/28/11	Vapor	Glass Syringe									X		X							
SV28-~~B~~5	MCM 4/28/11	381	0915												X		X							
SV27-15		502	0945												X		X							
SV27-5		357	1019												X		X							
SV29-15		478	1048												X		X							
SV29-5		381	1214												X		X							
SV29-5 Dup		431	1240												X		X							
SV33-15		478	1344												X		X							
SV33-5		357	1415												X		X							
SV34-15		478	1452												X		X							

Relinquished by: (Signature) Russell Granfors	(company) CCA	Received by: (Signature)	(company) H&P	Date: 4/28/11 Time: 1700
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/28/2011

H&P Project # MC041811-A2

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST. site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes☐ No☐

Global ID: _____

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Special Instructions:

E104124/ED12803

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List PTSC Short list	TO-15: BTEX/MTBE	LCC (specify) I.P.A.	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV34-5		357	1547	4/28/11	Vapor	Glass Syringe									X		X							
SV30-15		478	1622	↓	↓	↓									X		X							
SV30-5		502	1642	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	4/28/11	1700
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/29/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd, Suite 200
Scottsdale, AZ 85251-5499

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

Page: 1 of 2

EDF: Yes☐ No☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E104128/ED12903

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ DTSC Short List	TO-15: BTEX/MTBE	LCC (specify) I, P, A,	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV31-15		478	0913	4/29/11	Vapor	Glass syringe									X		X							
SV31-5		357	0949												X		X							
SV32-15		453	1024												X		X							
SV32-5		357	1057												X		X							
SV45-15		478	1126												X		X							
SV45-5		357	1157												X		X							
SV37-15		478	1304												X		X							
SV37-5		357	1335												X		X							
SV44-15		478	1403												X		X							
SV44-5		357	1431	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	4/29/11	1610
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4/29/2011

H&P Project # MC041811-A2

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Page: 2 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E104128/ED12903

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List	TO-15: BTEX/MTBE	LCC (specify) I, P, A,	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	Total # of containers
SV44-5 Dup		407	1458	4/29/11	Vapor	Glass syringe									X		X				
SV43-15		478	1528	↓	↓	↓									X		X				
SV43-5		357	1553	↓	↓	↓									X		X				

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	4/29/2011	16:10
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

H&P Mobile Geochemistry Inc.

12 May 2011

Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: MC041811-A2
Client Project: Task Order 2011-01 / Motorola

Dear Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 5/2/2011 -5/6/2011 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754, National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
12-May-11 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV38-15, P478cc	E105001-01	Vapor	02-May-11	02-May-11
SV38-5, P357cc	E105001-02	Vapor	02-May-11	02-May-11
SV06-15, P492cc	E105001-03	Vapor	02-May-11	02-May-11
SV06-5, P203cc	E105001-04	Vapor	02-May-11	02-May-11
SV25-15, P492cc	E105001-05	Vapor	02-May-11	02-May-11
SV25-5, P203cc	E105001-06	Vapor	02-May-11	02-May-11
SV12-15, P492cc	E105001-07	Vapor	02-May-11	02-May-11
SV12-5, P203cc	E105001-08	Vapor	02-May-11	02-May-11
SV26-15, P492cc	E105001-09	Vapor	02-May-11	02-May-11
SV26-15 Dup, P542cc	E105001-10	Vapor	02-May-11	02-May-11
SV26-5, P203cc	E105001-11	Vapor	02-May-11	02-May-11
SV03-15, P492cc	E105008-01	Vapor	03-May-11	03-May-11
SV03-5, P203cc	E105008-02	Vapor	03-May-11	03-May-11
SV14-15, P492cc	E105008-03	Vapor	03-May-11	03-May-11
SV14-5, P203cc	E105008-04	Vapor	03-May-11	03-May-11
SV14-5 Dup, P253cc	E105008-05	Vapor	03-May-11	03-May-11
SV15-15, P492cc	E105008-06	Vapor	03-May-11	03-May-11
SV15-5, P203cc	E105008-07	Vapor	03-May-11	03-May-11
SV16-15, P492cc	E105008-08	Vapor	03-May-11	03-May-11
SV16-5, P203cc	E105008-09	Vapor	03-May-11	03-May-11
SV17-15, P492cc	E105008-10	Vapor	03-May-11	03-May-11
SV17-5, P203cc	E105008-11	Vapor	03-May-11	03-May-11
SV13-15, P492cc	E105008-12	Vapor	03-May-11	03-May-11
SV13-5, P203cc	E105008-13	Vapor	03-May-11	03-May-11
SV23-15, P492cc	E105011-01	Vapor	04-May-11	04-May-11
SV23-5, P203cc	E105011-02	Vapor	04-May-11	04-May-11
SV21-15, P492cc	E105011-03	Vapor	04-May-11	04-May-11
SV21-5, P203cc	E105011-04	Vapor	04-May-11	04-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
12-May-11 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV01-15, P492cc	E105011-05	Vapor	04-May-11	04-May-11
SV01-5, P203cc	E105011-06	Vapor	04-May-11	04-May-11
SV02-5, P203cc	E105011-07	Vapor	04-May-11	04-May-11
SV02-15, P492cc	E105011-08	Vapor	04-May-11	04-May-11
SV09-15, P492cc	E105011-09	Vapor	04-May-11	04-May-11
SV09-15 Dup, P542cc	E105011-10	Vapor	04-May-11	04-May-11
SV09-5, P203cc	E105011-11	Vapor	04-May-11	04-May-11
SV08-15, P492cc	E105013-01	Vapor	05-May-11	05-May-11
SV08-5, P203cc	E105013-02	Vapor	05-May-11	05-May-11
SV07-15, P492cc	E105013-03	Vapor	05-May-11	05-May-11
SV07-5, P203cc	E105013-04	Vapor	05-May-11	05-May-11
SV07-5 Dup, P253cc	E105013-05	Vapor	05-May-11	05-May-11
SV10-15, P492cc	E105013-06	Vapor	05-May-11	05-May-11
SV10-5, P203cc	E105013-07	Vapor	05-May-11	05-May-11
SV11-15, P492cc	E105013-08	Vapor	05-May-11	05-May-11
SV11-5, P203cc	E105013-09	Vapor	05-May-11	05-May-11
SV22-15, P492cc	E105013-10	Vapor	05-May-11	05-May-11
SV22-5, P203cc	E105013-11	Vapor	05-May-11	05-May-11
SV20-15, P492cc	E105014-01	Vapor	06-May-11	06-May-11
SV20-5, P203cc	E105014-02	Vapor	06-May-11	06-May-11
SV18-15, P492cc	E105014-03	Vapor	06-May-11	06-May-11
SV18-5, P203cc	E105014-04	Vapor	06-May-11	06-May-11
SV18-5 Dup, P253cc	E105014-05	Vapor	06-May-11	06-May-11
SV35-15, P492cc	E105014-06	Vapor	06-May-11	06-May-11
SV35-5, P203cc	E105014-07	Vapor	06-May-11	06-May-11
SV45-15, P492cc	E105014-08	Vapor	06-May-11	06-May-11
SV45-5, P203cc	E105014-09	Vapor	06-May-11	06-May-11
SV36-15, P492cc	E105014-10	Vapor	06-May-11	06-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV36-5, P203cc	E105014-11	Vapor	06-May-11	06-May-11

The Bromodichloromethane recovery exceeded the method criteria in the continuing calibration on May 5, 2011. The percent recovery for this compound in the LCS, however, was acceptable, indicating that the instrument was operating properly.

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV38-15, P478cc (E105001-01) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.8 %*		*56-127*	"	"	"	"	
SV38-5, P357cc (E105001-02) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**31**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV38-5, P357cc (E105001-02) Vapor Sampled: 02-May-11 Received: 02-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.1 %*		*56-127*	"	"	"	"	
SV06-15, P492cc (E105001-03) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**76**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*67.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV06-5, P203cc (E105001-04) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*65.6 %*		*56-127*	"	"	"	"	
SV25-15, P492cc (E105001-05) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**57**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**79**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**100**	40	"	"	"	"	"	"	
Chloroform	**330**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**12000**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV25-15, P492cc (E105001-05) Vapor Sampled: 02-May-11 Received: 02-May-11									
Tetrachloroethene	**120**	34	ug/m3	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*71.7 %*	*56-127*		*"*	*"*	*"*	*"*	
SV25-5, P203cc (E105001-06) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**95**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5300**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**43**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*71.0 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-15, P492cc (E105001-07) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**34**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.3 %*		*56-127*	"	"	"	"	
SV12-5, P203cc (E105001-08) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**37**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-5, P203cc (E105001-08) Vapor Sampled: 02-May-11 Received: 02-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.2 %*		*56-127*	"	"	"	"	
SV26-15, P492cc (E105001-09) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**88**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.9 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV26-15 Dup, P542cc (E105001-10) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**77**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**59**	34	"	"	"	"	"	"	
Chlorobenzene	**67**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.7 %*	*56-127*		"	"	"	"	
SV26-5, P203cc (E105001-11) Vapor Sampled: 02-May-11 Received: 02-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**40**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**58**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV26-5, P203cc (E105001-11) Vapor Sampled: 02-May-11 Received: 02-May-11									
Tetrachloroethene	**83**	34	ug/m3	1	EE10201	02-May-11	02-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.1 %*		*56-127*	"	"	"	"	
SV03-15, P492cc (E105008-01) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**50**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**680**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**460**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**88**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.3 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV03-5, P203cc (E105008-02) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**330**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**220**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**45**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.9 %*		*56-127*	"	"	"	"	
SV14-15, P492cc (E105008-03) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**24**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**170**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**360**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-15, P492cc (E105008-03) Vapor	**Sampled: 03-May-11**	**Received: 03-May-11**							
Tetrachloroethene	**100**	34	ug/m3	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*74.1 %*	*56-127*		*"*	*"*	*"*	*"*	
SV14-5, P203cc (E105008-04) Vapor	**Sampled: 03-May-11**	**Received: 03-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**87**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**90**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**51**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*73.8 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-5 Dup, P253cc (E105008-05) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**68**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**72**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**48**	34	"	"	"	"	"	"	
Chlorobenzene	**85**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.3 %*		*56-127*	"	"	"	"	
SV15-15, P492cc (E105008-06) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**68**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV15-15, P492cc (E105008-06) Vapor Sampled: 03-May-11 Received: 03-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*58.2 %*		*56-127*	"	"	"	"	
SV15-5, P203cc (E105008-07) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**33**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.4 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV16-15, P492cc (E105008-08) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**78**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**54**	27	"	"	"	"	"	"	
Bromodichloromethane	**48**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.5 %*		*56-127*	"	"	"	"	
SV16-5, P203cc (E105008-09) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**54**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**190**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**28**	27	"	"	"	"	"	"	
Bromodichloromethane	**56**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV16-5, P203cc (E105008-09) Vapor Sampled: 03-May-11 Received: 03-May-11									
Tetrachloroethene	**36**	34	ug/m3	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Chlorobenzene	**25**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*79.3 %*	*56-127*		*"*	*"*	*"*	*"*	
SV17-15, P492cc (E105008-10) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1500**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
Bromodichloromethane	**87**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*62.0 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV17-5, P203cc (E105008-11) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**840**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130**	27	"	"	"	"	"	"	
Bromodichloromethane	**50**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*118 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.3 %*		*56-127*	"	"	"	"	
SV13-15, P492cc (E105008-12) Vapor Sampled: 03-May-11 Received: 03-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**260**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**730**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**300**	40	"	"	"	"	"	"	
Chloroform	**57**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV13-15, P492cc (E105008-12) Vapor	**Sampled: 03-May-11**	**Received: 03-May-11**							
Tetrachloroethene	**920**	34	ug/m3	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*65.8 %*	*56-127*		*"*	*"*	*"*	*"*	
SV13-5, P203cc (E105008-13) Vapor	**Sampled: 03-May-11**	**Received: 03-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10303	03-May-11	03-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**110**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**440**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**110**	40	"	"	"	"	"	"	
Chloroform	**43**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**410**	34	"	"	"	"	"	"	
Chlorobenzene	**120**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*59.4 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV23-15, P492cc (E105011-01) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**31**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.0 %*		*56-127*	"	"	"	"	
SV23-5, P203cc (E105011-02) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**74**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV23-5, P203cc (E105011-02) Vapor Sampled: 04-May-11 Received: 04-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.6 %*		*56-127*	"	"	"	"	
SV21-15, P492cc (E105011-03) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**67**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**40**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.8 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV21-5, P203cc (E105011-04) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**99**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.7 %*		*56-127*	"	"	"	"	
SV01-15, P492cc (E105011-05) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV01-15, P492cc (E105011-05) Vapor Sampled: 04-May-11 Received: 04-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.1 %*		*56-127*	"	"	"	"	
SV01-5, P203cc (E105011-06) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**72**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**26**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.4 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV02-5, P203cc (E105011-07) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**2100**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**5900**	96	"	2.5	"	"	"	"	
Methylene chloride (Dichloromethane)	**69**	18	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	**42**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**530**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4400**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1800**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*		*56-127*	"	"	"	"	
SV02-15, P492cc (E105011-08) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**840**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**3900**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**230**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3400**	27	"	"	"	"	"	"	
Bromodichloromethane	**46**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV02-15, P492cc (E105011-08) Vapor	**Sampled: 04-May-11**	**Received: 04-May-11**							
Tetrachloroethene	**920**	34	ug/m3	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.4 %*	*56-127*		"	"	"	"	
SV09-15, P492cc (E105011-09) Vapor	**Sampled: 04-May-11**	**Received: 04-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**50**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**30**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.0 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.4 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV09-15 Dup, P542cc (E105011-10) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**220**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**42**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**97**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.7 %*	*56-127*		"	"	"	"	
SV09-5, P203cc (E105011-11) Vapor Sampled: 04-May-11 Received: 04-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**82**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV09-5, P203cc (E105011-11) Vapor Sampled: 04-May-11 Received: 04-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Chlorobenzene	**47**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*83.9 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*76.1 %*	*56-127*		*"*	*"*	*"*	*"*	
SV08-15, P492cc (E105013-01) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**42**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**890**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**45**	27	"	"	"	"	"	"	
Bromodichloromethane	**100**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**70**	34	"	"	"	"	"	"	
Chlorobenzene	**72**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.4 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV08-5, P203cc (E105013-02) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**360**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**47**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**48**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.9 %*		*56-127*	"	"	"	"	
SV07-15, P492cc (E105013-03) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**220**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**79**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV07-15, P492cc (E105013-03) Vapor Sampled: 05-May-11 Received: 05-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.1 %*		*56-127*	"	"	"	"	
SV07-5, P203cc (E105013-04) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**48**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.1 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV07-5 Dup, P253cc (E105013-05) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**64**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**110**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.8 %*		*56-127*	"	"	"	"	
SV10-15, P492cc (E105013-06) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**67**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**370**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV10-15, P492cc (E105013-06) Vapor	**Sampled: 05-May-11**	**Received: 05-May-11**							
Tetrachloroethene	**46**	34	ug/m3	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*56-127*		"	"	"	"	
SV10-5, P203cc (E105013-07) Vapor	**Sampled: 05-May-11**	**Received: 05-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**50**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.7 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-15, P492cc (E105013-08) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**430**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.0 %*		*56-127*	"	"	"	"	
SV11-5, P203cc (E105013-09) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**580**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-5, P203cc (E105013-09) Vapor Sampled: 05-May-11 Received: 05-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Chlorobenzene	**34**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.1 %*		*56-127*	"	"	"	"	
SV22-15, P492cc (E105013-10) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**53**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**46**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV22-5, P203cc (E105013-11) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**35**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**60**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	**24**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*		*56-127*	"	"	"	"	
SV20-15, P492cc (E105014-01) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**190**	40	"	"	"	"	"	"	
Chloroform	**620**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV20-15, P492cc (E105014-01) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Tetrachloroethene	**92**	34	ug/m3	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*56-127*		*"*	*"*	*"*	*"*	
SV20-5, P203cc (E105014-02) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**72**	40	"	"	"	"	"	"	
Chloroform	**400**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**620**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**56**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*86.6 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15, P492cc (E105014-03) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**39**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**240**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.9 %*		*56-127*	"	"	"	"	
SV18-5, P203cc (E105014-04) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-5, P203cc (E105014-04) Vapor Sampled: 06-May-11 Received: 06-May-11									
Tetrachloroethene	**120**	34	ug/m3	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.1 %*	*56-127*		"	"	"	"	
SV18-5 Dup, P253cc (E105014-05) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**120**	34	"	"	"	"	"	"	
Chlorobenzene	**110**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.4 %*	*56-127*		"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV35-15, P492cc (E105014-06) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**61**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**160**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51**	40	"	"	"	"	"	"	
Chloroform	**170**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**21000**	140	"	5	"	"	"	"	
Bromodichloromethane	**390**	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**150**	34	"	"	"	"	"	"	
Chlorobenzene	**28**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.9 %*		*56-127*	"	"	"	"	
SV35-5, P203cc (E105014-07) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**44**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**6200**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV35-5, P203cc (E105014-07) Vapor Sampled: 06-May-11 Received: 06-May-11									
Tetrachloroethene	**64**	34	ug/m3	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Chlorobenzene	**28**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*83.6 %*	*56-127*		*"*	*"*	*"*	*"*	
SV45-15, P492cc (E105014-08) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**37**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**54**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**88**	40	"	"	"	"	"	"	
Chloroform	**30**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**700**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**270**	34	"	"	"	"	"	"	
Chlorobenzene	**27**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*88.4 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV45-5, P203cc (E105014-09) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**220**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**93**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.8 %*		*56-127*	"	"	"	"	
SV36-15, P492cc (E105014-10) Vapor Sampled: 06-May-11 Received: 06-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**50**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**62**	40	"	"	"	"	"	"	
Chloroform	**300**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5300**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV36-15, P492cc (E105014-10) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Tetrachloroethene	**140**	34	ug/m3	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*56-127*		*"*	*"*	*"*	*"*	
SV36-5, P203cc (E105014-11) Vapor	**Sampled: 06-May-11**	**Received: 06-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10601	06-May-11	06-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**46**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**85**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**40**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*75.3 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10201 - TO-15										
Blank (EE10201-BLK1)				Prepared & Analyzed: 02-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*343*		*"*	*345*		*99.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*498*		*"*	*610*		*81.6*	*56-127*			
LCS (EE10201-BS1)				Prepared & Analyzed: 02-May-11						
Vinyl chloride	150	13	ug/m3	130		112	65-135			
1,1-Dichloroethene	200	20	"	202		98.2	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		107	65-135			
Methylene chloride (Dichloromethane)	210	18	"	177		117	65-135			
trans-1,2-Dichloroethene	240	40	"	202		120	65-135			
1,1-Dichloroethane	260	41	"	206		124	65-135			
cis-1,2-Dichloroethene	240	40	"	202		120	65-135			
Chloroform	260	25	"	247		107	65-135			
1,1,1-Trichloroethane	300	28	"	276		108	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		105	65-135			
Carbon tetrachloride	320	13	"	320		98.6	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10201 - TO-15										
LCS (EE10201-BS1)				Prepared & Analyzed: 02-May-11						
Trichloroethene	320	27	ug/m3	272		118	65-135			
1,1,2-Trichloroethane	320	28	"	276		115	65-135			
Tetrachloroethene	340	34	"	345		97.4	65-135			
1,1,2,2-Tetrachloroethane	310	35	"	349		88.2	65-135			
Surrogate: Toluene-d8	*355*		*"*	*345*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*495*		*"*	*610*		*81.1*	*56-127*			
Batch EE10303 - TO-15										
Blank (EE10303-BLK1)				Prepared & Analyzed: 03-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*350*		*"*	*345*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*502*		*"*	*610*		*82.2*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10303 - TO-15										
LCS (EE10303-BS1)				Prepared & Analyzed: 03-May-11						
Vinyl chloride	140	13	ug/m3	130		111	65-135			
1,1-Dichloroethene	240	20	"	202		121	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	330	39	"	387		84.9	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		131	65-135			
trans-1,2-Dichloroethene	270	40	"	202		132	65-135			
1,1-Dichloroethane	180	41	"	206		86.6	65-135			
cis-1,2-Dichloroethene	220	40	"	202		108	65-135			
Chloroform	270	25	"	247		109	65-135			
1,1,1-Trichloroethane	310	28	"	276		113	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		112	65-135			
Carbon tetrachloride	370	13	"	320		115	65-135			
Trichloroethene	320	27	"	272		119	65-135			
1,1,2-Trichloroethane	310	28	"	276		112	65-135			
Tetrachloroethene	300	34	"	345		88.1	65-135			
1,1,2,2-Tetrachloroethane	250	35	"	349		72.8	65-135			
Surrogate: Toluene-d8	*348*		*"*	*345*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*414*		*"*	*610*		*67.8*	*56-127*			
Batch EE10402 - TO-15										
Blank (EE10402-BLK1)				Prepared & Analyzed: 04-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10402 - TO-15										
Blank (EE10402-BLK1)				Prepared & Analyzed: 04-May-11						
Trichloroethene	ND	27	ug/m3							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*321*		*"*	*345*		*93.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*546*		*"*	*610*		*89.5*	*56-127*			
LCS (EE10402-BS1)				Prepared & Analyzed: 04-May-11						
Vinyl chloride	150	13	ug/m3	130		114	65-135			
1,1-Dichloroethene	230	20	"	202		113	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		106	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		127	65-135			
trans-1,2-Dichloroethene	260	40	"	202		127	65-135			
1,1-Dichloroethane	260	41	"	206		124	65-135			
cis-1,2-Dichloroethene	220	40	"	202		111	65-135			
Chloroform	280	25	"	247		113	65-135			
1,1,1-Trichloroethane	300	28	"	276		110	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		106	65-135			
Carbon tetrachloride	320	13	"	320		101	65-135			
Trichloroethene	370	27	"	272		135	65-135			
1,1,2-Trichloroethane	350	28	"	276		127	65-135			
Tetrachloroethene	370	34	"	345		106	65-135			
1,1,2,2-Tetrachloroethane	320	35	"	349		92.4	65-135			
Surrogate: Toluene-d8	*341*		*"*	*345*		*98.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*527*		*"*	*610*		*86.3*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10501 - TO-15										
Blank (EE10501-BLK1)				Prepared & Analyzed: 05-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*344*		*"*	*345*		*99.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*509*		*"*	*610*		*83.4*	*56-127*			
LCS (EE10501-BS1)				Prepared & Analyzed: 05-May-11						
Vinyl chloride	150	13	ug/m3	130		118	65-135			
1,1-Dichloroethene	250	20	"	202		122	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	380	39	"	387		97.2	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		132	65-135			
trans-1,2-Dichloroethene	280	40	"	202		137	65-135			QL-1H
1,1-Dichloroethane	200	41	"	206		98.4	65-135			
cis-1,2-Dichloroethene	220	40	"	202		107	65-135			
Chloroform	290	25	"	247		118	65-135			
1,1,1-Trichloroethane	330	28	"	276		120	65-135			
1,2-Dichloroethane (EDC)	210	21	"	206		104	65-135			
Carbon tetrachloride	360	13	"	320		112	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10501 - TO-15										
LCS (EE10501-BS1)				Prepared & Analyzed: 05-May-11						
Trichloroethene	370	27	ug/m3	272		134	65-135			
1,1,2-Trichloroethane	310	28	"	276		113	65-135			
Tetrachloroethene	340	34	"	345		98.1	65-135			
1,1,2,2-Tetrachloroethane	270	35	"	349		76.7	65-135			
Surrogate: Toluene-d8	*350*		*"*	*345*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*549*		*"*	*610*		*90.0*	*56-127*			
Batch EE10601 - TO-15										
Blank (EE10601-BLK1)				Prepared & Analyzed: 06-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*369*		*"*	*345*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*622*		*"*	*610*		*102*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10601 - TO-15										
LCS (EE10601-BS1)				Prepared & Analyzed: 06-May-11						
Vinyl chloride	150	13	ug/m3	130		113	65-135			
1,1-Dichloroethene	230	20	"	202		112	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	380	39	"	387		98.7	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		126	65-135			
trans-1,2-Dichloroethene	250	40	"	202		126	65-135			
1,1-Dichloroethane	260	41	"	206		126	65-135			
cis-1,2-Dichloroethene	230	40	"	202		112	65-135			
Chloroform	290	25	"	247		116	65-135			
1,1,1-Trichloroethane	290	28	"	276		105	65-135			
1,2-Dichloroethane (EDC)	200	21	"	206		95.8	65-135			
Carbon tetrachloride	370	13	"	320		117	65-135			
Trichloroethene	330	27	"	272		123	65-135			
1,1,2-Trichloroethane	300	28	"	276		109	65-135			
Tetrachloroethene	310	34	"	345		91.0	65-135			
1,1,2,2-Tetrachloroethane	260	35	"	349		75.0	65-135			
Surrogate: Toluene-d8	*334*		*"*	*345*		*96.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*501*		*"*	*610*		*82.1*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered baised high.
C-06	The daily calibration for this compound was greater than the desired +/- % deviation; therefore, this concentration is an estimated value.
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/2/2011

H&P Project # MC041811-A2

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Client Project # TASKORDER2011-01

Location: Motorola 52nd St. site, Phoenix, AZ

Fax: _____

Page: 1 of 2

Project Contact: Todd Cruse

Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105001/EE10201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC Short List (Mod)	TO-15: BTEX/MTBE	LCC (specify) T, P, H	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV38-15		478	0847	5/2/11	Vapor	Glass Syringe									X		X							
SV38-5		357	0917												X		X							
SV06-15		492	1017												X		X							
SV06-5		203	1049												X		X							
SV25-15		492	1133												X		X							
SV25-5		203	1321												X		X							
SV12-15		492	1404												X		X							
SV12-5		203	1438												X		X							
SV26-15		492	1510												X		X							
SV26-15 DUP		542	1540	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/2/11	1510
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/2/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell/Granfors

Page: 2 of 2

Client Project # THSKORDER2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd St. site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105001/EE10201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List (mod)	TO-15: BTEX/MTBE	LCC (specify) IPA	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV26-5		203	1607	5/2/11	Vapor	Glass syringe									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/2/11	15:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/3/2011
H&P Project # MC041811-A2
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Road suite 200
Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Grunfors Page: 1 of 2
Client Project # TASKORDER 2011-01 Project Contact: Todd Cruse
Location: Motorola 52nd ST. site, Phoenix, AZ
Fax: Turn around time:

EDF: Yes☐ No☐
Global ID:

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105008/EE10303

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ → DTSC Short List Mod.	TO-15: BTEX/MTBE	TO-15: LCC (specify) T.P.H.	TO-15: Naphthalene ☐ 8260B ☐ TO-15	TO-15: Methane	TO-15: Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	Total # of containers
SV03-15		492	0837	5/3/11	Vapor	Glass Syringe									X		X				
SV03-5		203	0907												X		X				
SV14-15		492	0939												X		X				
SV14-5		203	1012												X		X				
SV14-5 Dup		753	1039												X		X				
SV15-15		492	1110												X		X				
SV15-5		203	1138												X		X				
SV16-15		492	1206												X		X				
SV16-5		203	1234												X		X				
SV17-15		492	1346	↓	↓	↓									X		X				

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Grunfors	CCA		H&P	5/3/11	14:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/3/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Page: 2 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST. site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105008/EE10303

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: ~~Full List~~ DTSC List (Mod	TO-15: BTEX/MTBE	TO-15: LCC (specify) T.P.A.	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV17-5		203	1415	5/3/11	Vapor	Glass sparge									X		X							
SV13-15		492	1447	↓	↓	↓									X		X							
SV13-5		203	1517	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/3/2011	14:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/4/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors Page: 1 of 2

Client Project # TASKORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105011/EE10402

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: FullList PTSC List (Modified)	TO-15: BTEX/MTBE	LCC (specify) E, Pr, Ar	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV23-15		492	0901	5/4/11	Vapor	Glass syringe									X		X							
SV23-5		203	0930												X		X							
SV21-15		492	1002												X		X							
SV21-5		203	1034												X		X							
SV01-15		492	1108												X		X							
SV01-5		203	1147												X		X							
SV02-5		203	1219												X		X							
SV02-15		492	1348												X		X							
SV09-15		492	1423												X		X							
SV09-15Dup		542	1445												X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/4/11	14:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/4/2011

H&P Project # MC04181I-AZ

Outside Lab:

Client: Clear Creek Associates

Address: 6155 E. Indian School Rd Suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors

Page: 2 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax:

Turn around time:

EDF: Yes ☐ No ☐

Global ID:

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105011/EE10402

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List (Modified) DTSC List	TO-15: BTEX/MTBE	TO-15: LCC (specify) Ind. A	TO-15: Naphthalene ☐ 8260B ☐ TO-15	TO-15: Methane	TO-15: Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV09-5		203	1512	5/4/11	Vapor	Glass syringe									X		X							
SV08-15		492	1537												X		X							

JMM 5/4/11

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	5/4/2011	14:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/5/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: Clear Creek Associates

Address: 6155 E. Indian School Road Suite 200 Scottsdale, AZ 85251

Email: tknee clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors Page: 1 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105013/EE10501

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List (DTSC List / mod. target)	TO-15: BTEX/MTBE	LCC (specify) T.P.H	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV08-15		492	1033	5/5/11	Vapor	Glass syringe									X		X							
SV08-5		203	1118												X		X							
SV07-15		492	1141												X		X							
SV07-5		203	1203												X		X							
SV07-5 Dup		253	1223												X		X							
SV10-15		492	1329												X		X							
SV10-5		203	1402												X		X							
SV11-15		492	1432												X		X							
SV11-5		203	1501												X		X							
SV22-15		492	1531	↓	X	X									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CLA		H&P	5/5/2011	16:38
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/5/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: ClearCreek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors Page: 2 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd St. site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt

Intact: ☑ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☑ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site) ✓

Special Instructions:

E105013/EE10501

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List (Mod.)	TO-15: BTEX/MTBE	LCC (specify) I. P. A.	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV22-5		203	1600	5/5/11	Vapor	Glass Syringe									X		X							

Relinquished by: (Signature) Russell Granfors	(company) CCA	Received by: (Signature)	(company) H&P
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)

Date: 5/5/11	Time: 16:38
Date:	Time:
Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/6/2011

H&P Project # MC041811-A2

Outside Lab: _____

Client: ClearCreek Associates

Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ. 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Gounfors Page: 1 of 2

Client Project # TASK ORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt

Intact: ☑ ~~Yes~~ ☐ No

Seal Intact: ☐ Yes ☐ No ☑ ~~N/A~~

Cold: ☐ Yes ☐ No

N/A (Received on Site) ✓

Special Instructions:

E105014/EE10601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List (mod.)	TO-15: BTEX/MTBE	LCC (specify) EPA	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV20-15		492	0835	5/6/11	Vapor	Glass Syringe									X		X							
SV20-5		203	0912												X		X							
SV18-15		492	0941												X		X							
SV18-5		203	1011												X		X							
SV18-5 Dup		253	1036												X		X							
SV35-15		492	1110												X		X							
SV35-5		203	1223												X		X							
SV45-15		492	1357												X		X							
SV45-5		203	1424												X		X							
SV36-15		492	1455	↓	↓	↓									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Gounfors	CCA		H&P	5/6/2011	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 5/6/2011

H&P Project # MC041811-AZ

Outside Lab: _____

Client: ClearCreek Associates

Address: 6155 E. Indian School Rd suite 200
Scottsdale, AZ 85251

Email: tcruse@clearcreekassociates.com Phone: 480-659-7131

Collector: Russell Granfors Page: 2 of 2

Client Project # TASKORDER 2011-01 Project Contact: Todd Cruse

Location: Motorola 52nd ST site, Phoenix, AZ

Fax: _____ Turn around time: _____

EDF: Yes ☐ No ☐

Global ID: _____

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site) ✓

Special Instructions:

E105014/EE10601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	TPH ☐ gasoline ☐ diesel ☐ ext	418.1 TRPH	8021 for BTEX/MTBE	8260B: BTEX / Oxygenates	8260B: TPH gas	8260B: VOC's	8260B: DTSC/LARWQCB	8260B: Ketones	TO-15: Full List DTSC List (mod)	TO-15: BTEX/MTBE	LCC (specify) LPA	Naphthalene ☐ 8260B ☐ TO-15	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2				Total # of containers
SV36-5		203	1551	5/6/11	Vapor	Glass Syringe									X		X							

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Gf	CCA		H&P	5/6/2011	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

H&P Mobile Geochemistry Inc.

19 May 2011

Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: MC041811-A2
Client Project: Task Order 2011-01 / Motorola

Dear Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 5/9/2011 -5/13/2011 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV19-15, P492cc	E105020-01	Vapor	09-May-11	09-May-11
SV19-5, P203cc	E105020-02	Vapor	09-May-11	09-May-11
SV27-15, P492cc	E105020-03	Vapor	09-May-11	09-May-11
SV27-5, P203cc	E105020-04	Vapor	09-May-11	09-May-11
SV28-15, P492cc	E105020-05	Vapor	09-May-11	09-May-11
SV28-15 Dup, P542cc	E105020-06	Vapor	09-May-11	09-May-11
SV28-5, P203cc	E105020-07	Vapor	09-May-11	09-May-11
SV18-15, P492cc	E105020-08	Vapor	09-May-11	09-May-11
SV29-15, P492cc	E105020-09	Vapor	09-May-11	09-May-11
SV29-5, P203cc	E105020-10	Vapor	09-May-11	09-May-11
SV33-15, P492cc	E105020-11	Vapor	09-May-11	09-May-11
SV33-5, P203cc	E105020-12	Vapor	09-May-11	09-May-11
SV34-15, P492cc	E105023-01	Vapor	10-May-11	10-May-11
SV34-5, P203cc	E105023-02	Vapor	10-May-11	10-May-11
SV31-15, P492cc	E105023-03	Vapor	10-May-11	10-May-11
SV31-5, P203cc	E105023-04	Vapor	10-May-11	10-May-11
SV32-15, P492cc	E105023-05	Vapor	10-May-11	10-May-11
SV32-5, P203cc	E105023-06	Vapor	10-May-11	10-May-11
SV39-15, P453cc	E105023-07	Vapor	10-May-11	10-May-11
SV39-5, P357cc	E105023-08	Vapor	10-May-11	10-May-11
SV40-15, P435cc	E105023-09	Vapor	10-May-11	10-May-11
SV40-15 Dup, P485cc	E105023-10	Vapor	10-May-11	10-May-11
SV40-5, P357cc	E105023-11	Vapor	10-May-11	10-May-11
SV30-15, P492cc	E105023-12	Vapor	10-May-11	10-May-11
SV30-5, P203cc	E105023-13	Vapor	10-May-11	10-May-11
SV50-15, P465cc	E105029-01	Vapor	11-May-11	11-May-11
SV50-5, P357cc	E105029-02	Vapor	11-May-11	11-May-11
SV62-15, P453cc	E105029-03	Vapor	11-May-11	11-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV62-15 Dup, P503cc	E105029-04	Vapor	11-May-11	11-May-11
SV62-5, P357cc	E105029-05	Vapor	11-May-11	11-May-11
SV59-15, P472cc	E105029-06	Vapor	11-May-11	11-May-11
SV59-5, P357cc	E105029-07	Vapor	11-May-11	11-May-11
SV63-15, P459cc	E105029-08	Vapor	11-May-11	11-May-11
SV63-5, P357cc	E105029-09	Vapor	11-May-11	11-May-11
SV37-15, P492cc	E105029-10	Vapor	11-May-11	11-May-11
SV37-5, P203cc	E105029-11	Vapor	11-May-11	11-May-11
SV43-15, P492cc	E105029-12	Vapor	11-May-11	11-May-11
SV43-5, P203cc	E105029-13	Vapor	11-May-11	11-May-11
SV47-15, P453cc	E105039-01	Vapor	12-May-11	12-May-11
SV47-5, P357cc	E105039-02	Vapor	12-May-11	12-May-11
SV51-15, P459cc	E105039-03	Vapor	12-May-11	12-May-11
SV51-5, P357cc	E105039-04	Vapor	12-May-11	12-May-11
SV54-15, P453cc	E105039-05	Vapor	12-May-11	12-May-11
SV54-5, P357cc	E105039-06	Vapor	12-May-11	12-May-11
SV44-15, P492cc	E105039-07	Vapor	12-May-11	12-May-11
SV44-15 Dup, P512cc	E105039-08	Vapor	12-May-11	12-May-11
SV44-5, P203cc	E105039-09	Vapor	12-May-11	12-May-11
SV41-15, P453cc	E105039-10	Vapor	12-May-11	12-May-11
SV41-5, P357cc	E105039-11	Vapor	12-May-11	12-May-11
SV49-15, P453cc	E105041-01	Vapor	13-May-11	13-May-11
SV49-15 Dup, P503cc	E105041-02	Vapor	13-May-11	13-May-11
SV49-5, P357cc	E105041-03	Vapor	13-May-11	13-May-11
SV48-15, P465cc	E105041-04	Vapor	13-May-11	13-May-11
SV48-5, P357cc	E105041-05	Vapor	13-May-11	13-May-11
SV42-15, P453cc	E105041-06	Vapor	13-May-11	13-May-11
SV42-5, P369cc	E105041-07	Vapor	13-May-11	13-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV65-15, P453cc	E105041-08	Vapor	13-May-11	13-May-11
SV65-5, P357cc	E105041-09	Vapor	13-May-11	13-May-11
SV58-15, P453cc	E105041-10	Vapor	13-May-11	13-May-11
SV58-5, P357cc	E105041-11	Vapor	13-May-11	13-May-11
SV57-15, P471cc	E105041-12	Vapor	13-May-11	13-May-11

The Bromodichloromethane percent recovery exceeded the method criteria in the continuing calibration verification on May 11, 2011.
The Bromodichloromethane result for sample SV37-15, PV459cc, analyzed on May 11, 2011, has been qualified accordingly.

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV19-15, P492cc (E105020-01) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**58**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**240**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**58**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**120**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.1 %*		*56-127*	"	"	"	"	
SV19-5, P203cc (E105020-02) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**140**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**42**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV19-5, P203cc (E105020-02) Vapor Sampled: 09-May-11 Received: 09-May-11									
Tetrachloroethene	**65**	34	ug/m3	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*56-127*		*"*	*"*	*"*	*"*	
SV27-15, P492cc (E105020-03) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**250**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**170**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**180**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV27-5, P203cc (E105020-04) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**44**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**240**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.3 %*		*56-127*	"	"	"	"	
SV28-15, P492cc (E105020-05) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**79**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**520**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**950**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV28-15, P492cc (E105020-05) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Tetrachloroethene	**170**	34	ug/m3	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*81.9 %*	*56-127*		*"*	*"*	*"*	*"*	
SV28-15 Dup, P542cc (E105020-06) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**65**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**400**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**690**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	**59**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV28-5, P203cc (E105020-07) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**68**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**350**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.9 %*		*56-127*	"	"	"	"	
SV18-15, P492cc (E105020-08) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**41**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**47**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15, P492cc (E105020-08) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Tetrachloroethene	**220**	34	ug/m3	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*77.3 %*	*56-127*		*"*	*"*	*"*	*"*	
SV29-15, P492cc (E105020-09) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**250**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**6200**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**600**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*79.5 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV29-5, P203cc (E105020-10) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**61**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3100**	27	"	"	"	"	"	"	
Bromodichloromethane	**44**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**170**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	
SV33-15, P492cc (E105020-11) Vapor Sampled: 09-May-11 Received: 09-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**280**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**1600**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**300**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2600**	27	"	"	"	"	"	"	
Bromodichloromethane	**64**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV33-15, P492cc (E105020-11) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Tetrachloroethene	**530**	34	ug/m3	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*74.6 %*	*56-127*		*"*	*"*	*"*	*"*	
SV33-5, P203cc (E105020-12) Vapor	**Sampled: 09-May-11**	**Received: 09-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10901	09-May-11	09-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**61**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**500**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**100**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**810**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**210**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*75.7 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV34-15, P492cc (E105023-01) Vapor	**Sampled: 10-May-11**	**Received: 10-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**26**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**260**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3400**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**250**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*56-127*	"	"	"	"	
SV34-5, P203cc (E105023-02) Vapor	**Sampled: 10-May-11**	**Received: 10-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**64**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV34-5, P203cc (E105023-02) Vapor Sampled: 10-May-11 Received: 10-May-11									
Tetrachloroethene	**110**	34	ug/m3	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.9 %*		*56-127*	"	"	"	"	
SV31-15, P492cc (E105023-03) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**340**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**610**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**160**	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**490**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.9 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV31-5, P203cc (E105023-04) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**74**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**120**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**45**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**720**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.0 %*		*56-127*	"	"	"	"	
SV32-15, P492cc (E105023-05) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**31**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV32-15, P492cc (E105023-05) Vapor Sampled: 10-May-11 Received: 10-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*56-127*	"	"	"	"	
SV32-5, P203cc (E105023-06) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV39-15, P453cc (E105023-07) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**670**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**36**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**160**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**67**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.7 %*		*56-127*	"	"	"	"	
SV39-5, P357cc (E105023-08) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**360**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**64**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**79**	27	"	"	"	"	"	"	
Bromodichloromethane	**56**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV39-5, P357cc (E105023-08) Vapor Sampled: 10-May-11 Received: 10-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.6 %*		*56-127*	"	"	"	"	
SV40-15, P435cc (E105023-09) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**600**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**63**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV40-15 Dup, P485cc (E105023-10) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**430**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**63**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.2 %*		*56-127*	"	"	"	"	
SV40-5, P357cc (E105023-11) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**85**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV40-5, P357cc (E105023-11) Vapor Sampled: 10-May-11 Received: 10-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.1 %*		*56-127*	"	"	"	"	
SV30-15, P492cc (E105023-12) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**85**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**220**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**170**	40	"	"	"	"	"	"	
Chloroform	**55**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**610**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.6 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV30-5, P203cc (E105023-13) Vapor Sampled: 10-May-11 Received: 10-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11001	10-May-11	10-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**30**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**120**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**42**	40	"	"	"	"	"	"	
Chloroform	**28**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**570**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**330**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.9 %*	*56-127*		"	"	"	"	
SV50-15, P465cc (E105029-01) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**92**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV50-15, P465cc (E105029-01) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Tetrachloroethene	**60**	34	ug/m3	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*		*56-127*	"	"	"	"	
SV50-5, P357cc (E105029-02) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**45**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**30**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV62-15, P453cc (E105029-03) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**65**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**300**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**480**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**90**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*128 %*		*56-127*	"	"	"	"	*S-GC*
SV62-15 Dup, P503cc (E105029-04) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**78**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**320**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**330**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV62-15 Dup, P503cc (E105029-04) Vapor Sampled: 11-May-11 Received: 11-May-11									
Tetrachloroethene	**50**	34	ug/m3	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Chlorobenzene	**25**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*56-127*		*"*	*"*	*"*	*"*	
SV62-5, P357cc (E105029-05) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**26**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**73**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*89.1 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV59-15, P472cc (E105029-06) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**61**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**36**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**54**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.1 %*		*56-127*	"	"	"	"	
SV59-5, P357cc (E105029-07) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV59-5, P357cc (E105029-07) Vapor Sampled: 11-May-11 Received: 11-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*56-127*	"	"	"	"	
SV63-15, P459cc (E105029-08) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**20**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**73**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**26**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**180**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**54**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV63-5, P357cc (E105029-09) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**46**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**85**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*56-127*		"	"	"	"	
SV37-15, P492cc (E105029-10) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**780**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**950**	27	"	"	"	"	"	"	
Bromodichloromethane	**130**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV37-15, P492cc (E105029-10) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Tetrachloroethene	**45**	34	ug/m3	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*75.1 %*	*56-127*		*"*	*"*	*"*	*"*	
SV37-5, P203cc (E105029-11) Vapor	**Sampled: 11-May-11**	**Received: 11-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**410**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*80.1 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV43-15, P492cc (E105029-12) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**130**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**130**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**200**	40	"	"	"	"	"	"	
Chloroform	**74**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**510**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*		*56-127*	"	"	"	"	
SV43-5, P203cc (E105029-13) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**42**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV43-5, P203cc (E105029-13) Vapor Sampled: 11-May-11 Received: 11-May-11									
Tetrachloroethene	**230**	34	ug/m3	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.4 %*		*56-127*	"	"	"	"	
SV47-15, P453cc (E105039-01) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**69**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**150**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**60**	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3500**	68	"	2.5	"	"	"	"	
Bromodichloromethane	**73**	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.6 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV47-5, P357cc (E105039-02) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**25**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**63**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**45**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.6 %*		*56-127*	"	"	"	"	
SV51-15, P459cc (E105039-03) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**190**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**550**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV51-15, P459cc (E105039-03) Vapor Sampled: 12-May-11 Received: 12-May-11									
Tetrachloroethene	**55**	34	ug/m3	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*56-127*		"	"	"	"	
SV51-5, P357cc (E105039-04) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**100**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**89**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.9 %*	*56-127*		"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV54-15, P453cc (E105039-05) Vapor	**Sampled: 12-May-11**	**Received: 12-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**340**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**90**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5500**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.3 %*	*56-127*		"	"	"	"	
SV54-5, P357cc (E105039-06) Vapor	**Sampled: 12-May-11**	**Received: 12-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**210**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5300**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV54-5, P357cc (E105039-06) Vapor Sampled: 12-May-11 Received: 12-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.9 %*		*56-127*	"	"	"	"	
SV44-15, P492cc (E105039-07) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**72**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**340**	40	"	"	"	"	"	"	
Chloroform	**63**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2500**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**360**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.0 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV44-15 Dup, P512cc (E105039-08) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**21**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**51**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**320**	40	"	"	"	"	"	"	
Chloroform	**59**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**270**	34	"	"	"	"	"	"	
Chlorobenzene	**42**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*		*56-127*	"	"	"	"	
SV44-5, P203cc (E105039-09) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51**	40	"	"	"	"	"	"	
Chloroform	**31**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1000**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV44-5, P203cc (E105039-09) Vapor Sampled: 12-May-11 Received: 12-May-11									
Tetrachloroethene	**200**	34	ug/m3	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.6 %*		*56-127*	"	"	"	"	
SV41-15, P453cc (E105039-10) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**390**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**65**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1300**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**270**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV41-5, P357cc (E105039-11) Vapor Sampled: 12-May-11 Received: 12-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11201	12-May-11	12-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**190**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**560**	27	"	"	"	"	"	"	
Bromodichloromethane	**110**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*		*56-127*	"	"	"	"	
SV49-15, P453cc (E105041-01) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**30**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**97**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV49-15, P453cc (E105041-01) Vapor	**Sampled: 13-May-11**	**Received: 13-May-11**							
Tetrachloroethene	**62**	34	ug/m3	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.3 %*	*56-127*		"	"	"	"	
SV49-15 Dup, P503cc (E105041-02) Vapor	**Sampled: 13-May-11**	**Received: 13-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**30**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**120**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**870**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**48**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV49-5, P357cc (E105041-03) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**290**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.5 %*		*56-127*	"	"	"	"	
SV48-15, P465cc (E105041-04) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**70**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**36**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**680**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV48-15, P465cc (E105041-04) Vapor Sampled: 13-May-11 Received: 13-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*117 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	
SV48-5, P357cc (E105041-05) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**68**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*120 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV42-15, P453cc (E105041-06) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**100**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**290**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*124 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.9 %*		*56-127*	"	"	"	"	
SV42-5, P369cc (E105041-07) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**64**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV42-5, P369cc (E105041-07) Vapor Sampled: 13-May-11 Received: 13-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.9 %*		*56-127*	"	"	"	"	
SV65-15, P453cc (E105041-08) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**44**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**82**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV65-5, P357cc (E105041-09) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**75**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**46**	27	"	"	"	"	"	"	
Bromodichloromethane	**50**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**23**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*119 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*		*56-127*	"	"	"	"	
SV58-15, P453cc (E105041-10) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**64**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**180**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**320**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4900**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV58-15, P453cc (E105041-10) Vapor Sampled: 13-May-11 Received: 13-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*		*56-127*	"	"	"	"	
SV58-5, P357cc (E105041-11) Vapor Sampled: 13-May-11 Received: 13-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**21**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**410**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2900**	68	"	2.5	"	"	"	"	
Bromodichloromethane	**210**	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV57-15, P471cc (E105041-12) Vapor	**Sampled: 13-May-11**	**Received: 13-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11301	13-May-11	13-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**56**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**150**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3400**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**64**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10901 - TO-15										
Blank (EE10901-BLK1)				Prepared & Analyzed: 09-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*331*		*"*	*345*		*95.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*487*		*"*	*610*		*79.8*	*56-127*			
LCS (EE10901-BS1)				Prepared & Analyzed: 09-May-11						
Vinyl chloride	130	13	ug/m3	130		97.8	65-135			
1,1-Dichloroethene	210	20	"	202		103	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	380	39	"	387		99.4	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		110	65-135			
trans-1,2-Dichloroethene	230	40	"	202		114	65-135			
1,1-Dichloroethane	240	41	"	206		119	65-135			
cis-1,2-Dichloroethene	220	40	"	202		111	65-135			
Chloroform	260	25	"	247		103	65-135			
1,1,1-Trichloroethane	290	28	"	276		105	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		108	65-135			
Carbon tetrachloride	300	13	"	320		94.8	65-135			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE10901 - TO-15										
LCS (EE10901-BS1)				Prepared & Analyzed: 09-May-11						
Trichloroethene	330	27	ug/m3	272		122	65-135			
1,1,2-Trichloroethane	320	28	"	276		115	65-135			
Tetrachloroethene	340	34	"	345		97.7	65-135			
1,1,2,2-Tetrachloroethane	270	35	"	349		77.6	65-135			
Surrogate: Toluene-d8	*357*		*"*	*345*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*503*		*"*	*610*		*82.3*	*56-127*			
Batch EE11001 - TO-15										
Blank (EE11001-BLK1)				Prepared & Analyzed: 10-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*334*		*"*	*345*		*96.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*606*		*"*	*610*		*99.3*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11001 - TO-15										
LCS (EE11001-BS1)				Prepared & Analyzed: 10-May-11						
Vinyl chloride	140	13	ug/m3	130		108	65-135			
1,1-Dichloroethene	230	20	"	202		116	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		105	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		125	65-135			
trans-1,2-Dichloroethene	270	40	"	202		134	65-135			
1,1-Dichloroethane	220	41	"	206		109	65-135			
cis-1,2-Dichloroethene	200	40	"	202		101	65-135			
Chloroform	280	25	"	247		111	65-135			
1,1,1-Trichloroethane	290	28	"	276		105	65-135			
1,2-Dichloroethane (EDC)	210	21	"	206		104	65-135			
Carbon tetrachloride	350	13	"	320		109	65-135			
Trichloroethene	360	27	"	272		133	65-135			
1,1,2-Trichloroethane	320	28	"	276		116	65-135			
Tetrachloroethene	320	34	"	345		92.9	65-135			
1,1,2,2-Tetrachloroethane	320	35	"	349		92.9	65-135			
Surrogate: Toluene-d8	*324*		*"*	*345*		*94.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*514*		*"*	*610*		*84.2*	*56-127*			
Batch EE11103 - TO-15										
Blank (EE11103-BLK1)				Prepared & Analyzed: 11-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11103 - TO-15										
Blank (EE11103-BLK1)				Prepared & Analyzed: 11-May-11						
Trichloroethene	ND	27	ug/m3							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*331*		*"*	*345*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*577*		*"*	*610*		*94.5*	*56-127*			
LCS (EE11103-BS1)				Prepared & Analyzed: 11-May-11						
Vinyl chloride	160	13	ug/m3	130		123	65-135			
1,1-Dichloroethene	250	20	"	202		123	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	460	39	"	387		118	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		128	65-135			
trans-1,2-Dichloroethene	230	40	"	202		115	65-135			
1,1-Dichloroethane	270	41	"	206		133	65-135			
cis-1,2-Dichloroethene	210	40	"	202		106	65-135			
Chloroform	280	25	"	247		115	65-135			
1,1,1-Trichloroethane	330	28	"	276		121	65-135			
1,2-Dichloroethane (EDC)	250	21	"	206		120	65-135			
Carbon tetrachloride	350	13	"	320		109	65-135			
Trichloroethene	360	27	"	272		131	65-135			
1,1,2-Trichloroethane	330	28	"	276		118	65-135			
Tetrachloroethene	330	34	"	345		96.9	65-135			
1,1,2,2-Tetrachloroethane	250	35	"	349		71.8	65-135			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*648*		*"*	*610*		*106*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11201 - TO-15										
Blank (EE11201-BLK1)				Prepared & Analyzed: 12-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*348*		*"*	*345*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*582*		*"*	*610*		*95.4*	*56-127*			
LCS (EE11201-BS1)				Prepared & Analyzed: 12-May-11						
Vinyl chloride	150	13	ug/m3	130		116	65-135			
1,1-Dichloroethene	220	20	"	202		108	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	370	39	"	387		94.8	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		125	65-135			
trans-1,2-Dichloroethene	250	40	"	202		123	65-135			
1,1-Dichloroethane	220	41	"	206		106	65-135			
cis-1,2-Dichloroethene	200	40	"	202		102	65-135			
Chloroform	260	25	"	247		104	65-135			
1,1,1-Trichloroethane	300	28	"	276		109	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		106	65-135			
Carbon tetrachloride	310	13	"	320		98.1	65-135			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11201 - TO-15										
LCS (EE11201-BS1)				Prepared & Analyzed: 12-May-11						
Trichloroethene	360	27	ug/m3	272		132	65-135			
1,1,2-Trichloroethane	340	28	"	276		123	65-135			
Tetrachloroethene	330	34	"	345		96.8	65-135			
1,1,2,2-Tetrachloroethane	280	35	"	349		80.5	65-135			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*495*		*"*	*610*		*81.2*	*56-127*			
Batch EE11301 - TO-15										
Blank (EE11301-BLK1)				Prepared & Analyzed: 13-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*380*		*"*	*345*		*110*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*624*		*"*	*610*		*102*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11301 - TO-15										
LCS (EE11301-BS1)				Prepared & Analyzed: 13-May-11						
Vinyl chloride	130	13	ug/m3	130		103	65-135			
1,1-Dichloroethene	220	20	"	202		110	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	310	39	"	387		79.7	65-135			
Methylene chloride (Dichloromethane)	180	18	"	177		102	65-135			
trans-1,2-Dichloroethene	250	40	"	202		125	65-135			
1,1-Dichloroethane	260	41	"	206		128	65-135			
cis-1,2-Dichloroethene	190	40	"	202		96.4	65-135			
Chloroform	250	25	"	247		102	65-135			
1,1,1-Trichloroethane	290	28	"	276		106	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		107	65-135			
Carbon tetrachloride	310	13	"	320		98.1	65-135			
Trichloroethene	340	27	"	272		126	65-135			
1,1,2-Trichloroethane	310	28	"	276		113	65-135			
Tetrachloroethene	320	34	"	345		92.6	65-135			
1,1,2,2-Tetrachloroethane	270	35	"	349		76.5	65-135			
Surrogate: Toluene-d8	*346*		*"*	*345*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*559*		*"*	*610*		*91.6*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
C-06	The daily calibration for this compound was greater than the desired +/- % deviation; therefore, this concentration is an estimated value.
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Caranada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/9/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Email: tcrusc@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST, site, Phoenix, AZ
Phone: Fax:
Page: 1 of 2
Project Contact: Todd Crusc
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # EI05020/EE10901

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphtholene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ B260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER 1-PH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV19-15		492	0843	5/9/11	Vapor	Glass Syringe	1						X							X		
SV19-5		203	0915	↓	↓	↓	1						X							X		
SV27-15		492	0945				1						X							X		
SV27-5		203	1015				1						X							X		
SV28-15		492	1045				1						X							X		
SV28-15 Dup		542	1111				1						X							X		
SV28-5		203	1140				1						X							X		
SV18-15		492	1212				1						X							X		
SV29-15		492	1318				1						X							X		
SV29-5		203	1423	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	CCA		H&P	5/9/11	16:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/9/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ. 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature:

Special Instructions:

Lab Work Order # E105020/EE10901

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☐ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
					SOIL/GW							SOIL VAPOR/AIR ANALYSIS										
SV 33-15		492	1455	5/9/11	Vapor	Gloss Syringe	1						X							X		
SV 33-5		203	1523	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	CCA		H&P	5/9/2011	16:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/10/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 1 of 2
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST. site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°

Special Instructions:

Lab Work Order # E105023/EE11001

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER TP4	Methane	Fixed Gases ☐ CO2 ☐ O2 ☐ N2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV34-15		492	0842	5/10/11	Vapor	Glass Syringe	1						X							X		
SV34-5		203	0937				1						X							X		
SV31-15		492	1008				1						X							X		
SV31-5		203	1046				1						X							X		
SV32-15		492	1120				1						X							X		
SV32-5		203	1149				1						X							X		
SV39-15		453	1329				1						X							X		
SV39-5		357	1415				1						X							X		
SV40-15		435	1447				1						X							X		
SV40-15 Dup		485	1515				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/10/2011	17:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/10/2011
H&P Project # MC04181-AZ
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell/Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131
Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E105023/EE11001

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☐ OTHER TPH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
					SOIL/GW			SOIL VAPOR/AIR ANALYSIS														
SV40-5		357	1545	5/10/11	Vapor	Glass Syringe	1						X							X		
SV30-15		492	1612	↓	↓	↓	1						X							X		
SV30-5		203	1635	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	5/10/2011	17:00
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/11/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com

Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST. site, Phoenix, AZ
Phone: 480-659-7131 Fax:

Page: 1 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 21

Special Instructions:

Lab Work Order # E105029/EE11103

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B	8015M TPH	418.1 TRPH	VOC's: Full List ☐ TO-15 ☐ 8260B	VOC's: Short List/DTSC ☐ TO-15 ☒ 8260B	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ TO-15 ☐ 8260B	Oxygenates ☐ TO-15 ☐ 8260B	TPHv gas ☐ TO-15 ☐ 8260B	Ketones ☐ TO-15 ☐ 8260B	Other ☐ TO-15 ☐ 8260B	Leak Check Compound ☐ 1,1 DFA ☒ OTHER	Methane TPH	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV50-15		465	0925	5/11/11	Vapor	Glass syringe	1						X							X		
SV50-5		357	0954				1						X							X		
SV62-15		453	1026				1						X							X		
SV62-15 Dup		503	1104				1						X							X		
SV62-5		357	1131				1						X							X		
SV59-15		472	1201				1						X							X		
SV59-5		357	1237				1						X							X		
SV63-15		459	1348				1						X							X		
SV63-5		357	1417				1						X							X		
SV37-15		492	1452	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/11/2011	16:25
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/11/2011
H&P Project # MC04181 1+AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131 Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 21°

Special Instructions:

Lab Work Order # EI05029/EE11103

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPM)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS									
SV37-5		203	1527	5/11/11	Vapor	Glass Syringe	1						X							X	
SV43-15		492	1552	↓	↓	↓	1						X							X	
SV43-5		203	1616	↓	↓	↓	1						X							X	

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/11/2011	16:25
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Caronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/12/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 1 of 2
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ, 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST, site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 22°C

Special Instructions:

Lab Work Order # E105039/EE11201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER TPH	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV47-15		453	0837	5/12/11	Vapor	Glass Syringe	1						X							X		
SV47-5		357	0933				1						X							X		
SV51-15		459	1010				1						X							X		
SV51-5		357	1051				1						X							X		
SV54-15		453	1132				1						X							X		
SV54-5		357	1233				1						X							X		
SV44-15		492	1405				1						X							X		
SV44-15 Dup		542	1433				1						X							X		
SV44-5		203	1459				1						X							X		
SV41-15		453	1530				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/12/11	16:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Caronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/12/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd, Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Grunfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST. site, Phoenix, AZ
Phone: 480-659-7131
Fax:
Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☐ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☐ ~~N/A~~
Cold: ☐ Yes ☐ No ☐ ~~N/A~~
Temperature: 2.2°C

Special Instructions:

Lab Work Order # E105039/EE11201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ___ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (EPA)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV41-5		357	1600	5/12/11	Vapor	~~Glass~~ Summa	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	C/A	[signature]	H&P	5/12/11	16:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/13/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Rd suite 200 Scottsdale AZ 85251
Email: tcruse@clearcreekassociates.com

Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST. site, Phoenix, AZ
Phone: 480-659-7131 Fax:

Page: 1 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☒ ~~N/A~~
Cold: ☐ Yes ☐ ~~No~~ ☒ ~~N/A~~
Temperature: 21°C

Special Instructions:

Lab Work Order # E105041/EE11301

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPH)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV49-15		453	0833	5/13/11	Vapor	Glass Syringe	1						X							X		
SV49-15 Dup		503	0906				1						X							X		
SV49-5		357	0938				1						X							X		
SV48-15		465	1012				1						X							X		
SV48-5		357	1050				1						X							X		
SV42-15		453	1120				1						X							X		
SV42-5		369	1147				1						X							X		
SV65-15		453	1253				1						X							X		
SV65-5		357	1333				1						X							X		
SV58-15		453	1403				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/13/2011	16:38
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/13/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 2 of 2
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☐ ~~N/A~~
Cold: ☐ Yes ☐ No ☒ ~~N/A~~
Temperature: 21°C

Special Instructions:

Lab Work Order # E105041/EE11301

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (124)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV58-5		357	1500	5/13/11	Vapor	Glass Syringe	1						X							X		
SV57-15		471	1551	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/13/2011	16:38
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

H&P Mobile Geochemistry Inc.

03 June 2011

Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: MC041811-A2
Client Project: Task Order 2011-01 / Motorola

Dear Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 5/16/2011 -5/23/2011 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
03-Jun-11 12:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV57-5, P357cc	E105046-01	Vapor	16-May-11	16-May-11
SV56-15, P453cc	E105046-02	Vapor	16-May-11	16-May-11
SV56-5, P357cc	E105046-03	Vapor	16-May-11	16-May-11
SV46-15, P478cc	E105046-04	Vapor	16-May-11	16-May-11
SV46-15 Dup, P528cc	E105046-05	Vapor	16-May-11	16-May-11
SV46-5, P357cc	E105046-06	Vapor	16-May-11	16-May-11
SV49-15, P492cc	E105046-07	Vapor	16-May-11	16-May-11
SV49-5, P203cc	E105046-08	Vapor	16-May-11	16-May-11
SV48-15, P492cc	E105046-09	Vapor	16-May-11	16-May-11
SV48-5, P203cc	E105046-10	Vapor	16-May-11	16-May-11
SV38-15, P492cc	E105046-11	Vapor	16-May-11	16-May-11
SV38-5, P203cc	E105046-12	Vapor	16-May-11	16-May-11
SV59-15, P492cc	E105052-01	Vapor	17-May-11	17-May-11
SV59-15 Dup, P542cc	E105052-02	Vapor	17-May-11	17-May-11
SV59-5, P203cc	E105052-03	Vapor	17-May-11	17-May-11
SV63-15, P492cc	E105052-04	Vapor	17-May-11	17-May-11
SV63-5, P203cc	E105052-05	Vapor	17-May-11	17-May-11
SV50-15, P492cc	E105052-06	Vapor	17-May-11	17-May-11
SV50-5, P203cc	E105052-07	Vapor	17-May-11	17-May-11
SV39-15, P492cc	E105052-08	Vapor	17-May-11	17-May-11
SV39-5, P203cc	E105052-09	Vapor	17-May-11	17-May-11
SV62-15, P492cc	E105052-10	Vapor	17-May-11	17-May-11
SV62-5, P203cc	E105056-01	Vapor	18-May-11	18-May-11
SV40-15, P492cc	E105056-02	Vapor	18-May-11	18-May-11
SV40-5, P203cc	E105056-03	Vapor	18-May-11	18-May-11
SV40-5 Dup, P253cc	E105056-04	Vapor	18-May-11	18-May-11
SV61-15, P478cc	E105056-05	Vapor	18-May-11	18-May-11
SV61-5, P357cc	E105056-06	Vapor	18-May-11	18-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
03-Jun-11 12:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV66-15, P465cc	E105056-07	Vapor	18-May-11	18-May-11
SV66-5, P357cc	E105056-08	Vapor	18-May-11	18-May-11
SV53-15, P453cc	E105056-09	Vapor	18-May-11	18-May-11
SV53-5, P357cc	E105056-10	Vapor	18-May-11	18-May-11
SV41-15, P492cc	E105056-11	Vapor	18-May-11	18-May-11
SV41-5, P203cc	E105056-12	Vapor	18-May-11	18-May-11
SV52-15, P453cc	E105056-13	Vapor	18-May-11	18-May-11
SV52-5, P363cc	E105056-14	Vapor	18-May-11	18-May-11
SV47-15, P492cc	E105062-01	Vapor	19-May-11	19-May-11
SV47-5, P203cc	E105062-02	Vapor	19-May-11	19-May-11
SV51-15, P492cc	E105062-03	Vapor	19-May-11	19-May-11
SV51-5, P203cc	E105062-04	Vapor	19-May-11	19-May-11
SV55-15, P453cc	E105062-05	Vapor	19-May-11	19-May-11
SV55-5, P203cc	E105062-06	Vapor	19-May-11	19-May-11
SV55-5 Dup, P253cc	E105062-07	Vapor	19-May-11	19-May-11
SV54-15, P492cc	E105062-08	Vapor	19-May-11	19-May-11
SV54-5, P203cc	E105062-09	Vapor	19-May-11	19-May-11
SV65-15, P492cc	E105062-10	Vapor	19-May-11	19-May-11
SV65-5, P203cc	E105067-01	Vapor	20-May-11	20-May-11
SV42-15, P492cc	E105067-02	Vapor	20-May-11	20-May-11
SV42-15 Dup, P542cc	E105067-03	Vapor	20-May-11	20-May-11
SV42-5, P203cc	E105067-04	Vapor	20-May-11	20-May-11
SV58-15, P492cc	E105067-05	Vapor	20-May-11	20-May-11
SV58-5, P203cc	E105067-06	Vapor	20-May-11	20-May-11
SV57-15, P492cc	E105067-07	Vapor	20-May-11	20-May-11
SV57-5, P203cc	E105067-08	Vapor	20-May-11	20-May-11
SV56-15, P492cc	E105067-09	Vapor	20-May-11	20-May-11
SV56-5, P203cc	E105067-10	Vapor	20-May-11	20-May-11

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
03-Jun-11 12:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV46-15, P492cc	E105073-01	Vapor	23-May-11	23-May-11
SV46-5, P203cc	E105073-02	Vapor	23-May-11	23-May-11
SV61-15, P492cc	E105073-03	Vapor	23-May-11	23-May-11
SV61-5, P203cc	E105073-04	Vapor	23-May-11	23-May-11
SV66-15, P492cc	E105073-05	Vapor	23-May-11	23-May-11
SV66-5, P203cc	E105073-06	Vapor	23-May-11	23-May-11
SV53-15, P492cc	E105073-07	Vapor	23-May-11	23-May-11
SV53-15 Dup, P542cc	E105073-08	Vapor	23-May-11	23-May-11
SV53-5, P203cc	E105073-09	Vapor	23-May-11	23-May-11
SV52-15, P492cc	E105073-10	Vapor	23-May-11	23-May-11
SV52-5, P203cc	E105073-11	Vapor	23-May-11	23-May-11
SV55-15, P492cc	E105073-12	Vapor	23-May-11	23-May-11
SV55-5, P203cc	E105073-13	Vapor	23-May-11	23-May-11

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV57-5, P357cc (E105046-01) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**100**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**180**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**83**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*		*56-127*	"	"	"	"	
SV56-15, P453cc (E105046-02) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**230**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**220**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**100**	40	"	"	"	"	"	"	
Chloroform	**850**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5500**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV56-15, P453cc (E105046-02) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Tetrachloroethene	**350**	34	ug/m3	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*56-127*		*"*	*"*	*"*	*"*	
SV56-5, P357cc (E105046-03) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**110**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**510**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3800**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV46-15, P478cc (E105046-04) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1300**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**330**	27	"	"	"	"	"	"	
Bromodichloromethane	**130**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**53**	34	"	"	"	"	"	"	
Chlorobenzene	**26**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*56-127*	"	"	"	"	
SV46-15 Dup, P528cc (E105046-05) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1200**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**210**	27	"	"	"	"	"	"	
Bromodichloromethane	**120**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV46-15 Dup, P528cc (E105046-05) Vapor Sampled: 16-May-11 Received: 16-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Chlorobenzene	**39**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*56-127*		*"*	*"*	*"*	*"*	
SV46-5, P357cc (E105046-06) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**740**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**38**	27	"	"	"	"	"	"	
Bromodichloromethane	**140**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*62.5 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV49-15, P492cc (E105046-07) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**33**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**96**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**63**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.7 %*		*56-127*	"	"	"	"	
SV49-5, P203cc (E105046-08) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**67**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**190**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**310**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV49-5, P203cc (E105046-08) Vapor Sampled: 16-May-11 Received: 16-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*56-127*	"	"	"	"	
SV48-15, P492cc (E105046-09) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**54**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**53**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**630**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV48-5, P203cc (E105046-10) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**54**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.4 %*		*56-127*	"	"	"	"	
SV38-15, P492cc (E105046-11) Vapor Sampled: 16-May-11 Received: 16-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV38-15, P492cc (E105046-11) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Tetrachloroethene	**43**	34	ug/m3	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.1 %*	*56-127*		"	"	"	"	
SV38-5, P203cc (E105046-12) Vapor	**Sampled: 16-May-11**	**Received: 16-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11601	16-May-11	16-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**53**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.7 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV59-15, P492cc (E105052-01) Vapor	**Sampled: 17-May-11**	**Received: 17-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**64**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**84**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**77**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**68**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*56-127*	"	"	"	"	
SV59-15 Dup, P542cc (E105052-02) Vapor	**Sampled: 17-May-11**	**Received: 17-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**65**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**78**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**56**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV59-15 Dup, P542cc (E105052-02) Vapor Sampled: 17-May-11 Received: 17-May-11									
Tetrachloroethene	**39**	34	ug/m3	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Chlorobenzene	**45**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*72.4 %*	*56-127*		*"*	*"*	*"*	*"*	
SV59-5, P203cc (E105052-03) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**32**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**38**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*90.9 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV63-15, P492cc (E105052-04) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**34**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**79**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**59**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**410**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**160**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*		*56-127*	"	"	"	"	
SV63-5, P203cc (E105052-05) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**33**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV63-5, P203cc (E105052-05) Vapor Sampled: 17-May-11 Received: 17-May-11									
Tetrachloroethene	**63**	34	ug/m3	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*56-127*	"	"	"	"	
SV50-15, P492cc (E105052-06) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**60**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.9 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV50-5, P203cc (E105052-07) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**25**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	
SV39-15, P492cc (E105052-08) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**830**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**44**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**260**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV39-15, P492cc (E105052-08) Vapor Sampled: 17-May-11 Received: 17-May-11									
Tetrachloroethene	**120**	34	ug/m3	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*56-127*	"	"	"	"	
SV39-5, P203cc (E105052-09) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**370**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**23**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**62**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV62-15, P492cc (E105052-10) Vapor Sampled: 17-May-11 Received: 17-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11701	17-May-11	17-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**96**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**320**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**520**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**78**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.1 %*		*56-127*	"	"	"	"	
SV62-5, P203cc (E105056-01) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**25**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**72**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**240**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV62-5, P203cc (E105056-01) Vapor Sampled: 18-May-11 Received: 18-May-11									
Tetrachloroethene	**50**	34	ug/m3	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*56-127*		"	"	"	"	
SV40-15, P492cc (E105056-02) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**44**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**860**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV40-5, P203cc (E105056-03) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**170**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**35**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*		*56-127*	"	"	"	"	
SV40-5 Dup, P253cc (E105056-04) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV40-5 Dup, P253cc (E105056-04) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Tetrachloroethene	**39**	34	ug/m3	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Chlorobenzene	**38**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*56-127*		*"*	*"*	*"*	*"*	
SV61-15, P478cc (E105056-05) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**61**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**630**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**37**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*73.7 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV61-5, P357cc (E105056-06) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**420**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**71**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**690**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*		*56-127*	"	"	"	"	
SV66-15, P465cc (E105056-07) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**60**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**78**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**53**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**490**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV66-15, P465cc (E105056-07) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Tetrachloroethene	**70**	34	ug/m3	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.7 %*	*56-127*		"	"	"	"	
SV66-5, P357cc (E105056-08) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**70**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**170**	27	"	"	"	"	"	"	
Bromodichloromethane	**63**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV53-15, P453cc (E105056-09) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**50**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**35**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.2 %*		*56-127*	"	"	"	"	
SV53-5, P357cc (E105056-10) Vapor	**Sampled: 18-May-11**	**Received: 18-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**210**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
Bromodichloromethane	**130**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV53-5, P357cc (E105056-10) Vapor Sampled: 18-May-11 Received: 18-May-11									
Tetrachloroethene	**46**	34	ug/m3	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*		*56-127*	"	"	"	"	
SV41-15, P492cc (E105056-11) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**730**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3800**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1300**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.7 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV41-5, P203cc (E105056-12) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**370**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**20**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**68**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**600**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*		*56-127*	"	"	"	"	
SV52-15, P453cc (E105056-13) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**71**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**440**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1700**	27	"	"	"	"	"	"	
Bromodichloromethane	**46**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV52-15, P453cc (E105056-13) Vapor Sampled: 18-May-11 Received: 18-May-11									
Tetrachloroethene	**50**	34	ug/m3	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.4 %*		*56-127*	"	"	"	"	
SV52-5, P363cc (E105056-14) Vapor Sampled: 18-May-11 Received: 18-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11801	18-May-11	18-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**200**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**770**	27	"	"	"	"	"	"	
Bromodichloromethane	**87**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.9 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV47-15, P492cc (E105062-01) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**69**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**150**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51**	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5400**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
Chlorobenzene	**30**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.7 %*		*56-127*	"	"	"	"	
SV47-5, P203cc (E105062-02) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**21**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**58**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2300**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV47-5, P203cc (E105062-02) Vapor Sampled: 19-May-11 Received: 19-May-11									
Tetrachloroethene	**73**	34	ug/m3	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*56-127*		"	"	"	"	
SV51-15, P492cc (E105062-03) Vapor Sampled: 19-May-11 Received: 19-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**23**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**220**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**600**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**73**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV51-5, P203cc (E105062-04) Vapor Sampled: 19-May-11 Received: 19-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**48**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.6 %*		*56-127*	"	"	"	"	
SV55-15, P453cc (E105062-05) Vapor Sampled: 19-May-11 Received: 19-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**18**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**890**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**550**	27	"	"	"	"	"	"	
Bromodichloromethane	**37**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV55-15, P453cc (E105062-05) Vapor Sampled: 19-May-11 Received: 19-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Chlorobenzene	**30**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.4 %*		*56-127*	"	"	"	"	
SV55-5, P203cc (E105062-06) Vapor Sampled: 19-May-11 Received: 19-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**40**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**870**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**340**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**36**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV55-5 Dup, P253cc (E105062-07) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**760**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**270**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**26**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.3 %*		*56-127*	"	"	"	"	
SV54-15, P492cc (E105062-08) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**380**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**190**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**25000**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV54-15, P492cc (E105062-08) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Tetrachloroethene	**170**	34	ug/m3	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Chlorobenzene	**60**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*56-127*		*"*	*"*	*"*	*"*	
SV54-5, P203cc (E105062-09) Vapor	**Sampled: 19-May-11**	**Received: 19-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**290**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**150**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**16000**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
Chlorobenzene	**27**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*87.7 %*	*56-127*		*"*	*"*	*"*	*"*	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV65-15, P492cc (E105062-10) Vapor Sampled: 19-May-11 Received: 19-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11901	19-May-11	19-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**71**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**470**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**50**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*		*56-127*	"	"	"	"	
SV65-5, P203cc (E105067-01) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**44**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**74**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV65-5, P203cc (E105067-01) Vapor Sampled: 20-May-11 Received: 20-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.3 %*		*56-127*	"	"	"	"	
SV42-15, P492cc (E105067-02) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**85**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**240**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV42-15 Dup, P542cc (E105067-03) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**82**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**190**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**41**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.0 %*		*56-127*	"	"	"	"	
SV42-5, P203cc (E105067-04) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**91**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV42-5, P203cc (E105067-04) Vapor Sampled: 20-May-11 Received: 20-May-11									
Tetrachloroethene	**42**	34	ug/m3	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*56-127*	"	"	"	"	
SV58-15, P492cc (E105067-05) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**68**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**290**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**96**	40	"	"	"	"	"	"	
Chloroform	**670**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**21000**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**220**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV58-5, P203cc (E105067-06) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	**14**	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**25**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**170**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1100**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**16000**	140	"	5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**160**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.6 %*		*56-127*	"	"	"	"	
SV57-15, P492cc (E105067-07) Vapor Sampled: 20-May-11 Received: 20-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**50**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**110**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**270**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5900**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV57-15, P492cc (E105067-07) Vapor	**Sampled: 20-May-11**	**Received: 20-May-11**							
Tetrachloroethene	**140**	34	ug/m3	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*56-127*		"	"	"	"	
SV57-5, P203cc (E105067-08) Vapor	**Sampled: 20-May-11**	**Received: 20-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**20**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**83**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**140**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**91**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*56-127*		"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV56-15, P492cc (E105067-09) Vapor	**Sampled: 20-May-11**	**Received: 20-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**240**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**220**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**100**	40	"	"	"	"	"	"	
Chloroform	**840**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**7100**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**400**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	"	"	"	"	
SV56-5, P203cc (E105067-10) Vapor	**Sampled: 20-May-11**	**Received: 20-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**120**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**130**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**41**	40	"	"	"	"	"	"	
Chloroform	**560**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4500**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND	34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV56-5, P203cc (E105067-10) Vapor Sampled: 20-May-11 Received: 20-May-11									
Tetrachloroethene	**220**	34	ug/m3	1	EE12002	20-May-11	20-May-11	EPA TO-15	
Chlorobenzene	**34**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*56-127*		"	"	"	"	
SV46-15, P492cc (E105073-01) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1300**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**260**	27	"	"	"	"	"	"	
Bromodichloromethane	**130**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**52**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*56-127*		"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV46-5, P203cc (E105073-02) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**720**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**170**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.2 %*		*56-127*	"	"	"	"	
SV61-15, P492cc (E105073-03) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**68**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**870**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**83**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2200**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV61-15, P492cc (E105073-03) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Tetrachloroethene	**340**	34	ug/m3	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Chlorobenzene	**30**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.4 %*	*56-127*		"	"	"	"	
SV61-5, P203cc (E105073-04) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**490**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**45**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**290**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.7 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV66-15, P492cc (E105073-05) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**86**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**65**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**630**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**100**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.0 %*		*56-127*	"	"	"	"	
SV66-5, P203cc (E105073-06) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**39**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**46**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV66-5, P203cc (E105073-06) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Tetrachloroethene	**50**	34	ug/m3	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.8 %*		*56-127*	"	"	"	"	
SV53-15, P492cc (E105073-07) Vapor	**Sampled: 23-May-11**	**Received: 23-May-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**59**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**280**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2900**	27	"	"	"	"	"	"	
Bromodichloromethane	**59**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**77**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.9 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV53-15 Dup, P542cc (E105073-08) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**270**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2200**	27	"	"	"	"	"	"	
Bromodichloromethane	**55**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**52**	34	"	"	"	"	"	"	
Chlorobenzene	**70**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*119 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.1 %*		*56-127*	"	"	"	"	
SV53-5, P203cc (E105073-09) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**160**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1700**	27	"	"	"	"	"	"	
Bromodichloromethane	**40**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV53-5, P203cc (E105073-09) Vapor Sampled: 23-May-11 Received: 23-May-11									
Tetrachloroethene	**79**	34	ug/m3	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.3 %*	*56-127*		"	"	"	"	
SV52-15, P492cc (E105073-10) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**73**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**20**	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**650**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2500**	27	"	"	"	"	"	"	
Bromodichloromethane	**110**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
Chlorobenzene	**90**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.8 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV52-5, P203cc (E105073-11) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**230**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1100**	27	"	"	"	"	"	"	
Bromodichloromethane	**48**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**35**	34	"	"	"	"	"	"	
Chlorobenzene	**28**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.3 %*		*56-127*	"	"	"	"	
SV55-15, P492cc (E105073-12) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**860**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**590**	27	"	"	"	"	"	"	
Bromodichloromethane	**65**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV55-15, P492cc (E105073-12) Vapor Sampled: 23-May-11 Received: 23-May-11									
Tetrachloroethene	**46**	34	ug/m3	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.2 %*		*56-127*	"	"	"	"	
SV55-5, P203cc (E105073-13) Vapor Sampled: 23-May-11 Received: 23-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE12301	23-May-11	23-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**710**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**280**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**40**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*65.1 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11601 - TO-15										
Blank (EE11601-BLK1)				Prepared & Analyzed: 16-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*346*		*"*	*345*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*641*		*"*	*610*		*105*	*56-127*			
LCS (EE11601-BS1)				Prepared & Analyzed: 16-May-11						
Vinyl chloride	150	13	ug/m3	130		115	65-135			
1,1-Dichloroethene	230	20	"	202		113	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		106	65-135			
Methylene chloride (Dichloromethane)	210	18	"	177		117	65-135			
trans-1,2-Dichloroethene	240	40	"	202		118	65-135			
1,1-Dichloroethane	220	41	"	206		109	65-135			
cis-1,2-Dichloroethene	220	40	"	202		111	65-135			
Chloroform	260	25	"	247		104	65-135			
1,1,1-Trichloroethane	320	28	"	276		117	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		110	65-135			
Carbon tetrachloride	360	13	"	320		112	65-135			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11601 - TO-15										
LCS (EE11601-BS1)				Prepared & Analyzed: 16-May-11						
Trichloroethene	300	27	ug/m3	272		111	65-135			
1,1,2-Trichloroethane	320	28	"	276		115	65-135			
Tetrachloroethene	350	34	"	345		102	65-135			
1,1,2,2-Tetrachloroethane	400	35	"	349		114	65-135			
Surrogate: Toluene-d8	*378*		*"*	*345*		*109*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*495*		*"*	*610*		*81.1*	*56-127*			
Batch EE11701 - TO-15										
Blank (EE11701-BLK1)				Prepared & Analyzed: 17-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*659*		*"*	*610*		*108*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01 / Motorola
Project Manager: Todd Cruse

Reported:
03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11701 - TO-15										
LCS (EE11701-BS1)				Prepared & Analyzed: 17-May-11						
Vinyl chloride	120	13	ug/m3	130		96.1	65-135			
1,1-Dichloroethene	210	20	"	202		103	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	330	39	"	387		86.2	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		116	65-135			
trans-1,2-Dichloroethene	250	40	"	202		124	65-135			
1,1-Dichloroethane	260	41	"	206		126	65-135			
cis-1,2-Dichloroethene	220	40	"	202		109	65-135			
Chloroform	260	25	"	247		106	65-135			
1,1,1-Trichloroethane	290	28	"	276		107	65-135			
1,2-Dichloroethane (EDC)	200	21	"	206		98.2	65-135			
Carbon tetrachloride	340	13	"	320		107	65-135			
Trichloroethene	280	27	"	272		101	65-135			
1,1,2-Trichloroethane	290	28	"	276		104	65-135			
Tetrachloroethene	310	34	"	345		90.2	65-135			
1,1,2,2-Tetrachloroethane	370	35	"	349		106	65-135			
Surrogate: Toluene-d8	*354*		*"*	*345*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*518*		*"*	*610*		*84.8*	*56-127*			
Batch EE11801 - TO-15										
Blank (EE11801-BLK1)				Prepared & Analyzed: 18-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11801 - TO-15										
Blank (EE11801-BLK1)				Prepared & Analyzed: 18-May-11						
Trichloroethene	ND	27	ug/m3							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*370*		*"*	*345*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*967*		*"*	*610*		*158*	*56-127*			*S-GC*
LCS (EE11801-BS1)				Prepared & Analyzed: 18-May-11						
Vinyl chloride	160	13	ug/m3	130		120	65-135			
1,1-Dichloroethene	230	20	"	202		114	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	430	39	"	387		111	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		128	65-135			
trans-1,2-Dichloroethene	260	40	"	202		129	65-135			
1,1-Dichloroethane	260	41	"	206		126	65-135			
cis-1,2-Dichloroethene	230	40	"	202		116	65-135			
Chloroform	280	25	"	247		112	65-135			
1,1,1-Trichloroethane	300	28	"	276		109	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		110	65-135			
Carbon tetrachloride	360	13	"	320		113	65-135			
Trichloroethene	320	27	"	272		116	65-135			
1,1,2-Trichloroethane	330	28	"	276		118	65-135			
Tetrachloroethene	360	34	"	345		103	65-135			
1,1,2,2-Tetrachloroethane	410	35	"	349		116	65-135			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*488*		*"*	*610*		*79.9*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11901 - TO-15										
Blank (EE11901-BLK1)				Prepared & Analyzed: 19-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*343*		*"*	*345*		*99.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*677*		*"*	*610*		*111*	*56-127*			
LCS (EE11901-BS1)				Prepared & Analyzed: 19-May-11						
Vinyl chloride	150	13	ug/m3	130		115	65-135			
1,1-Dichloroethene	230	20	"	202		114	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	390	39	"	387		102	65-135			
Methylene chloride (Dichloromethane)	230	18	"	177		128	65-135			
trans-1,2-Dichloroethene	260	40	"	202		130	65-135			
1,1-Dichloroethane	230	41	"	206		112	65-135			
cis-1,2-Dichloroethene	200	40	"	202		100	65-135			
Chloroform	290	25	"	247		116	65-135			
1,1,1-Trichloroethane	320	28	"	276		115	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		106	65-135			
Carbon tetrachloride	360	13	"	320		113	65-135			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE11901 - TO-15										
LCS (EE11901-BS1)				Prepared & Analyzed: 19-May-11						
Trichloroethene	300	27	ug/m3	272		111	65-135			
1,1,2-Trichloroethane	310	28	"	276		113	65-135			
Tetrachloroethene	340	34	"	345		99.5	65-135			
1,1,2,2-Tetrachloroethane	390	35	"	349		112	65-135			
Surrogate: Toluene-d8	*332*		*"*	*345*		*96.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*535*		*"*	*610*		*87.6*	*56-127*			
Batch EE12002 - TO-15										
Blank (EE12002-BLK1)				Prepared & Analyzed: 20-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*351*		*"*	*345*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*646*		*"*	*610*		*106*	*56-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE12002 - TO-15										
LCS (EE12002-BS1)				Prepared & Analyzed: 20-May-11						
Vinyl chloride	140	13	ug/m3	130		109	65-135			
1,1-Dichloroethene	250	20	"	202		123	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		107	65-135			
Methylene chloride (Dichloromethane)	200	18	"	177		114	65-135			
trans-1,2-Dichloroethene	260	40	"	202		131	65-135			
1,1-Dichloroethane	230	41	"	206		111	65-135			
cis-1,2-Dichloroethene	240	40	"	202		117	65-135			
Chloroform	300	25	"	247		119	65-135			
1,1,1-Trichloroethane	310	28	"	276		112	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		114	65-135			
Carbon tetrachloride	360	13	"	320		112	65-135			
Trichloroethene	290	27	"	272		106	65-135			
1,1,2-Trichloroethane	320	28	"	276		116	65-135			
Tetrachloroethene	360	34	"	345		103	65-135			
1,1,2,2-Tetrachloroethane	340	35	"	349		98.2	65-135			
Surrogate: Toluene-d8	*362*		*"*	*345*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*588*		*"*	*610*		*96.3*	*56-127*			
Batch EE12301 - TO-15										
Blank (EE12301-BLK1)				Prepared & Analyzed: 23-May-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Vinyl chloride	ND	13	ug/m3							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Volatile Organic Compounds by EPA TO-15 Modified - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE12301 - TO-15										
Blank (EE12301-BLK1)				Prepared & Analyzed: 23-May-11						
Trichloroethene	ND	27	ug/m3							
Bromodichloromethane	ND	34	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
Chlorobenzene	ND	23	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Surrogate: Toluene-d8	*354*		*"*	*345*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*533*		*"*	*610*		*87.4*	*56-127*			
LCS (EE12301-BS1)				Prepared & Analyzed: 23-May-11						
Vinyl chloride	130	13	ug/m3	130		99.0	65-135			
1,1-Dichloroethene	170	20	"	202		86.4	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	330	39	"	387		85.1	65-135			
Methylene chloride (Dichloromethane)	170	18	"	177		95.2	65-135			
trans-1,2-Dichloroethene	240	40	"	202		119	65-135			
1,1-Dichloroethane	220	41	"	206		109	65-135			
cis-1,2-Dichloroethene	200	40	"	202		96.9	65-135			
Chloroform	250	25	"	247		102	65-135			
1,1,1-Trichloroethane	320	28	"	276		114	65-135			
1,2-Dichloroethane (EDC)	190	21	"	206		92.8	65-135			
Carbon tetrachloride	330	13	"	320		103	65-135			
Trichloroethene	240	27	"	272		88.6	65-135			
1,1,2-Trichloroethane	270	28	"	276		96.6	65-135			
Tetrachloroethene	310	34	"	345		90.1	65-135			
1,1,2,2-Tetrachloroethane	360	35	"	349		104	65-135			
Surrogate: Toluene-d8	*367*		*"*	*345*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*449*		*"*	*610*		*73.6*	*56-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	03-Jun-11 12:34

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Caranada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/16/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd. Suite 200 Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfers
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131
Fax:
Page: 1 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 22°

Special Instructions:

Lab Work Order # E105046/EE11601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ TO-15 ☐ 8260B	VOC's: Short List/DTSC ☒ TO-15 ☐ 8260B	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ TO-15 ☐ 8260B	Oxygenates ☐ TO-15 ☐ 8260B	TPHv gas ☐ TO-15 ☐ 8260B	Ketones ☐ TO-15 ☐ 8260B	Other ☐ TO-15 ☐ 8260B	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPH)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV57-5		357	0832	5/16/11	Vapor	Glass Syringe	1						X							X		
SV56-15		453	0911				1						X							X		
SV56-5		357	1014				1						X							X		
SV46-15		478	1111				1						X							X		
SV46-15 Dup		528	1137				1						X							X		
SV46-5		357	1206				1						X							X		
SV49-15		492	1322				1						X							X		
SV49-5		203	1354				1						X							X		
SV48-15		492	1426				1						X							X		
SV48-5		203	1456				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfers	CCA		H&P	5/16/2011	16:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/16/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: ClearCreek Associates
Collector: Russell Granfors
Page: 2 of 2
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: Fax: Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☑ ~~N/A~~
Cold: ☐ Yes ☐ No ☐ ~~N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E105046/EE11601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TMB)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV38-15		492	1527	5/16/11	Vapor	Glass Syringe	1						X							X		
SV38-5		203	1557	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/16/2011	16:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/17/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131 Fax:
Page: 1 of 1
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 21°C

Special Instructions:

Lab Work Order # E105052/EE11701

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	B015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOCs: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPH)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV59-15		492	0841	5/17/11	Vapor	Glass syringe	1						X							X		
SV59-15Dup		542	0907				1						X							X		
SV59-5		203	0937				1						X							X		
SV63-15		492	1005				1						X							X		
SV63-5		203	1034				1						X							X		
SV50-15		492	1103				1						X							X		
SV50-5		203	1131				1						X							X		
SV39-15		492	1203				1						X							X		
SV39-5		203	1231				1						X							X		
SV62-15		492	1334				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/17/2011	16:30
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/18/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: ClearCreek Associates
Collector: Russell Granfors
Page: 1 of 2
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Client Project # TASKORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7171
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ ~~Yes~~ ☐ No
Seal intact: ☐ Yes ☐ No ☒ ~~N/A~~
Cold: ☐ Yes ☐ No ☒ ~~N/A~~
Temperature: 21°C

Special Instructions:

Lab Work Order # E105056/EE11801

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas 8260B	g ☐ d ☐ ext 8015M TPH	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPM)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV62-5		203	0827	5/18/11	Vapor	Glass Syringe	1						X							X		
SV40-15		492	0900				1						X							X		
SV40-5		203	0937				1						X							X		
SV40-5 Dup		253	1005				1						X							X		
SV61-15		478	1037				1						X							X		
SV61-5		357	1109				1						X							X		
SV66-15		465	1142				1						X							X		
SV66-5		357	1211				1						X							X		
SV53-15		453	1323				1						X							X		
SV53-5		357	1356	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/18/2011	16:40
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronodo Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/18/2011
H&P Project # MC041811-A2
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com

Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131 Fax:

Page: 2 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 7.1°C

Special Instructions:

Lab Work Order # E105056/EE11801

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPH)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV41-15		492	1444	5/18/11	Vapor	60cc syringe	1						X							X		
SV41-5		203	1511	↓	↓	↓	1						X							X		
SV52-15		453	1539				1						X							X		
SV52-5		363	1606				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Russell Granfors	CCA		H&P	5/18/2011	16:40
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronada Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/19/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 1 of 1
Address: 6155 E. Indian School Rd Suite 200 Scottsdale, AZ. 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Cruse
Location: Motorola 52nd ST site, Phoenix, AZ
Email: tcruse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature:

Special Instructions:

Lab Work Order # E105062/EE11901

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOCs: Full List ☐ 8260B ☐ TO-15	VOCs: Short List/DTSC ☐ 8260B ☐ TO-15	VOCs: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV47-15		492	0817	5/19/11	Vapor	Glass syringe	1						X							X		
SV47-5		203	0913				1						X							X		
SV51-15		492	0945				1						X							X		
SV51-5		203	1014				1						X							X		
SV55-15		453	1044				1						X							X		
SV55-5		203	1142				1						X							X		
SV55-5 Dup		253	1209				1						X							X		
SV54-15		492	1320				1						X							X		
SV54-5		203	1457				1						X							X		
SV65-15		492	1613				1						X							X		

Relinquished by: (Signature) Russell Granfors	(company) CCA	Received by: (Signature)	(company) H&P	Date: 5/19/2011	Time: 14:49
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/20/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: Clear Creek Associates
Collector: Russell Granfors
Page: 1 of 1
Address: 6155 E. Indian School Rd Suite 200, Scottsdale, AZ 85251
Client Project # TASK ORDER 2011-01
Project Contact: Todd Conse
Location: Motorola 52nd St. Site, Phoenix, AZ
Email: tconse@clearcreekassociates.com
Phone: 480-659-7131
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 22°C

Special Instructions:

Lab Work Order # E105067/EE12002

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B / BTEX/OXY / TPH gas	8015M TPH / g / d / ext	418.1 TRPH	VOCs: Full List ☐ 8260B ☐ TO-15	VOCs: Short List/DTSC ☐ 8260B ☒ TO-15	VOCs: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (Ethane)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV65-5		203	0811	5/20/11	Vapor	Glass Syringe	1						X							X		
SV42-15		492	0843				1						X							X		
SV42-15 Dup		542	0908				1						X							X		
SV42-5		203	0935				1						X							X		
SV58-15		492	1005				1						X							X		
SV58-5		203	1144				1						X							X		
SV57-15		492	1332				1						X							X		
SV57-5		203	1433				1						X							X		
SV56-15		492	1506				1						X							X		
SV56-5		203	1600	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	5/20/2011	1644
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Caronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/23/2011
H&P Project # MC031811-AZ
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E Indian School Rd Suite 200 Scottsdale, AZ, 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd St site, Phoenix, AZ
Phone: 480-659-7131 Fax:
Page: 1 of 2
Project Contact: Todd Cruse
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 21°C

Special Instructions:

Lab Work Order # E105073/EE12301

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ TO-15 ☐ 8260B	VOC's: Short List/DTSC ☐ TO-15 ☐ 8260B	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ TO-15 ☐ 8260B	Oxygenates ☐ TO-15 ☐ 8260B	TPHv gas ☐ TO-15 ☐ 8260B	Ketones ☐ TO-15 ☐ 8260B	Other ____ ☐ TO-15 ☐ 8260B	Leak Check Compound ☐ 1,1 DFA ☐ OTHER (1,1)	Methane	Fixed Gases ☐ N_2 ☐ O_2 ☐ CO_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV46-15		492	0834	5/23/11	Vapor	Glass syringe	1						X							X		
SV46-5		203	0906				1						X							X		
SV61-15		492	0934				1						X							X		
SV61-5		203	1006				1						X							X		
SV66-15		492	1033				1						X							X		
SV66-5		203	1100				1						X							X		
SV53-15		492	1130				1						X							X		
SV53-15 Dup		542	1200				1						X							X		
SV53-5		203	1230				1						X							X		
SV52-15		492	1329				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Russell Granfors	CCA		H&P	5/23/11	16:08
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 5/23/2011
H&P Project # MC041811-AZ
Outside Lab:

Client: ClearCreek Associates
Address: 6155 E. Indian School Rd suite 200 Scottsdale, AZ. 85251
Email: tcruse@clearcreekassociates.com
Collector: Russell Granfors
Client Project # TASK ORDER 2011-01
Location: Motorola 52nd ST site, Phoenix, AZ
Phone: 480-659-7131 Fax: Turn around time:
Page: 2 of 2
Project Contact: Todd Cruse

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ~~☐ Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 22°C

Special Instructions:

Lab Work Order # E105073/EE12301

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER (TPH)	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SV52-5		203	1430	5/23/11	Vapor	Glass Syringe	1						X							X		
SV55-15		492	1501	↓	↓	↓	1						X							X		
SV55-5		203	1533	↓	↓	↓	1						X							X		

Relinquished by: (Signature) Russell Granfors	(company) CCA	Received by: (Signature)	(company) H&P	Date: 5/23/11 Time: 1608
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

July 14, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUF0824
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	06/14/11
Final Report:	07/14/11 14:41

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 = The daily second source continuing calibration verification standard recovered high and outside of acceptance limits for Methylene Chloride. All associated samples are non-detect for this analyte and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV69-15	PUF0824-01	06/14/11	S/N 1439 0.4L Canister
SV69-5	PUF0824-02	06/14/11	S/N E2042 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0824-01 (SV69-15)			**Sampling Time: min**					**Sampled: 06/14/11 08:10**	
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/15/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/15/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**3.1**	**0.50**	**15**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/15/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**1.2**	**0.50**	**5.9**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/15/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
2-Butanone (MEK)	**29**	**1.0**	**86**	**2.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
2-Hexanone	**2.1**	**1.0**	**8.6**	**4.1**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
2-Propanol	**22**	**2.0**	**54**	**4.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**0.66**	**0.50**	**3.2**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**3.7**	**1.0**	**15**	**4.1**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/15/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/15/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/15/2011	LC	EPA TO15
Bromodichloromethane	**3.5**	**0.50**	**24**	**3.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/15/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/15/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/15/2011	LC	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/15/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/15/2011	LC	EPA TO15
Chloroform	**43**	**0.50**	**210**	**2.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/15/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Cyclohexane	**4.3**	**0.50**	**15**	**1.7**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/15/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/15/2011	LC	EPA TO15
Ethyl Acetate	**1.2**	**0.50**	**4.3**	**1.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.2**	**0.50**	**9.6**	**2.2**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/15/2011	LC	EPA TO15
Heptane	**3.8**	**0.50**	**16**	**2.0**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/15/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0824-01 (SV69-15) - cont.			**Sampling Time: min**						**Sampled: 06/14/11 08:10**
Hexane	**3.5**	**0.50**	**12**	**1.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**0.50**	**0.50**	**2.5**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**6.3**	**1.0**	**27**	**4.3**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7		1.0	6/15/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/15/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26	L3	1.0	6/15/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
n-Nonane (C9)	**11**	**0.50**	**58**	**2.6**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**6.0**	**0.50**	**28**	**2.3**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
o-Xylene	**2.9**	**0.50**	**13**	**2.2**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/15/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
Tetrachloroethene	**1.2**	**0.50**	**8.1**	**3.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**24**	**2.0**	**71**	**5.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Toluene	**25**	**0.50**	**94**	**1.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Trichloroethene	**0.57**	**0.50**	**3.1**	**2.7**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	**9.9**	**0.50**	**56**	**2.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/15/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/15/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0824-01RE1 (SV69-15)			**Sampling Time: min**					**Sampled: 06/14/11 08:10**	
Acetone	**120**	**49**	**290**	**120**		**9.9**	**6/16/2011**	**LC**	**EPA TO15**
Carbon disulfide	**46**	**4.9**	**140**	**15**		**9.9**	**6/16/2011**	**LC**	**EPA TO15**
Propene	**61**	**4.9**	**110**	**8.4**		**9.9**	**6/16/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0824-02 (SV69-5) — **Sampling Time: min** — **Sampled: 06/14/11 08:19**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/15/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/15/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**34**	**0.50**	**170**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/15/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**11**	**0.50**	**54**	**2.5**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/15/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/15/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
2-Butanone (MEK)	**39**	**1.0**	**120**	**2.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
2-Hexanone	**5.6**	**1.0**	**23**	**4.1**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
2-Propanol	**35**	**2.0**	**86**	**4.9**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**7.1**	**1.0**	**29**	**4.1**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/15/2011	LC	EPA TO15
Benzene	**3.2**	**0.50**	**10**	**1.6**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/15/2011	LC	EPA TO15
Bromodichloromethane	**9.9**	**0.50**	**66**	**3.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/15/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/15/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/15/2011	LC	EPA TO15
Carbon disulfide	**48**	**0.50**	**150**	**1.6**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/15/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/15/2011	LC	EPA TO15
Chloroform	**20**	**0.50**	**98**	**2.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/15/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Cyclohexane	**4.5**	**0.50**	**16**	**1.7**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**3.7**	**0.50**	**32**	**4.3**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/15/2011	LC	EPA TO15
Ethyl Acetate	**0.76**	**0.50**	**2.7**	**1.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Ethylbenzene	**8.4**	**0.50**	**37**	**2.2**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/15/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/15/2011	LC	EPA TO15
Hexane	**2.1**	**0.50**	**7.4**	**1.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0824-02 (SV69-5) - cont.			**Sampling Time: min**						**Sampled: 06/14/11 08:19**
Isopropylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
m,p-Xylenes	**34**	**1.0**	**150**	**4.3**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7		1.0	6/15/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/15/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26	L3	1.0	6/15/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
n-Octane (C8)	**24**	**0.50**	**110**	**2.3**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/15/2011	LC	EPA TO15
o-Xylene	**12**	**0.50**	**52**	**2.2**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Propene	**25**	**0.50**	**43**	**0.86**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/15/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
Tetrachloroethene	**0.53**	**0.50**	**3.6**	**3.4**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.9	5.9		1.0	6/15/2011	LC	EPA TO15
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/15/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/15/2011	LC	EPA TO15
Trichloroethene	<0.50	0.50	<2.7	2.7		1.0	6/15/2011	LC	EPA TO15
Trichlorofluoromethane	**3.0**	**0.50**	**17**	**2.8**		**1.0**	**6/15/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/15/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/15/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*85 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0824-02RE1 (SV69-5)			**Sampling Time: min**					**Sampled: 06/14/11 08:19**	
Acetone	**130**	**98**	**310**	**230**		**20**	**6/16/2011**	**LC**	**EPA TO15**
n-Nonane (C9)	**120**	**9.8**	**630**	**51**		**20**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**71**	**9.8**	**270**	**37**		**20**	**6/16/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0566-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
2-Hexanone	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
2-Propanol	<2.0	2.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Acetone	<5.0	5.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Benzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Bromoform	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Bromomethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Chloroethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Chloroform	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Chloromethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Cyclohexane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0566-BLK1							
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Freon 113	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Heptane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Hexane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Methylene Chloride	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Naphthalene	<5.0	5.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
o-Xylene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Propene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Styrene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0566	11F0566-BLK1	06-15-2011
Toluene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Trichloroethene	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0566	11F0566-BLK1	06-15-2011
Surrogate: 4-Bromofluorobenzene	95%				11F0566	11F0566-BLK1	06-15-2011
11F0585-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Hexanone	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Propanol	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Acetone	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromomethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Cyclohexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Freon 113	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Heptane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Methylene Chloride	<0.50	0.50	N1	ppbv	11F0585	11F0585-BLK1	06-16-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
Naphthalene	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
o-Xylene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Propene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Styrene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Toluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Surrogate: 4-Bromofluorobenzene	96%				11F0585	11F0585-BLK1	06-16-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0566-BS1								
1,1,1-Trichloroethane	8.48	0.50		ppbv	85%	70 - 130	11F0566	06-15-2011
1,1,2,2-Tetrachloroethane	11.2	0.50		ppbv	112%	70 - 130	11F0566	06-15-2011
1,1,2-Trichloroethane	9.10	0.50		ppbv	91%	70 - 130	11F0566	06-15-2011
1,1-Dichloroethane	11.0	0.50		ppbv	110%	70 - 130	11F0566	06-15-2011
1,1-Dichloroethene	8.96	0.50		ppbv	90%	70 - 130	11F0566	06-15-2011
1,2,4-Trichlorobenzene	9.97	2.00		ppbv	100%	70 - 130	11F0566	06-15-2011
1,2,4-Trimethylbenzene	9.12	0.50		ppbv	91%	70 - 130	11F0566	06-15-2011
1,2-Dibromoethane (EDB)	9.00	0.50		ppbv	90%	70 - 130	11F0566	06-15-2011
1,2-Dichlorobenzene	10.0	0.50		ppbv	100%	70 - 130	11F0566	06-15-2011
1,2-Dichloroethane	8.27	0.50		ppbv	83%	70 - 130	11F0566	06-15-2011
1,2-Dichloropropane	11.5	0.50		ppbv	115%	70 - 130	11F0566	06-15-2011
1,3,5-Trimethylbenzene	9.17	0.50		ppbv	92%	70 - 130	11F0566	06-15-2011
1,3-Butadiene	9.52	0.50		ppbv	95%	70 - 130	11F0566	06-15-2011
1,3-Dichlorobenzene	10.6	0.50		ppbv	106%	70 - 130	11F0566	06-15-2011
1,4-Dichlorobenzene	8.38	0.50		ppbv	84%	70 - 130	11F0566	06-15-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0566-BS1								
2,2,4-Trimethylpentane	9.16	0.50		ppbv	92%	70 - 130	11F0566	06-15-2011
2-Butanone (MEK)	9.52	1.00		ppbv	95%	70 - 130	11F0566	06-15-2011
2-Hexanone	10.4	1.00		ppbv	104%	70 - 130	11F0566	06-15-2011
2-Propanol	9.45	2.00		ppbv	94%	70 - 130	11F0566	06-15-2011
4-Ethyltoluene	9.43	0.50		ppbv	94%	70 - 130	11F0566	06-15-2011
4-Methyl-2-pentanone (MIBK)	9.95	1.00		ppbv	100%	70 - 130	11F0566	06-15-2011
Acetone	9.90	5.00		ppbv	99%	70 - 130	11F0566	06-15-2011
Allyl Chloride	8.83	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Benzene	8.85	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Benzyl Chloride	8.91	2.00		ppbv	89%	70 - 130	11F0566	06-15-2011
Bromodichloromethane	8.70	0.50		ppbv	87%	70 - 130	11F0566	06-15-2011
Bromoethene(Vinyl Bromide)	8.93	0.50		ppbv	89%	70 - 130	11F0566	06-15-2011
Bromoform	10.4	0.50		ppbv	104%	70 - 130	11F0566	06-15-2011
Bromomethane	9.24	0.50		ppbv	92%	70 - 130	11F0566	06-15-2011
Carbon disulfide	9.01	0.50		ppbv	90%	70 - 130	11F0566	06-15-2011
Carbon tetrachloride	8.41	0.50		ppbv	84%	70 - 130	11F0566	06-15-2011
Chlorobenzene	10.7	0.50		ppbv	107%	70 - 130	11F0566	06-15-2011
Chloroethane	9.75	0.50		ppbv	98%	70 - 130	11F0566	06-15-2011
Chloroform	8.36	0.50		ppbv	84%	70 - 130	11F0566	06-15-2011
Chloromethane	9.44	0.50		ppbv	94%	70 - 130	11F0566	06-15-2011
cis-1,2-Dichloroethene	8.70	0.50		ppbv	87%	70 - 130	11F0566	06-15-2011
cis-1,3-Dichloropropene	9.52	0.50		ppbv	95%	70 - 130	11F0566	06-15-2011
Cyclohexane	9.47	0.50		ppbv	95%	70 - 130	11F0566	06-15-2011
Dibromochloromethane	8.81	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Dichlorodifluoromethane	8.77	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Dichlorotetrafluoroethane(F-114)	9.19	0.50		ppbv	92%	70 - 130	11F0566	06-15-2011
Ethyl Acetate	9.64	0.50		ppbv	96%	70 - 130	11F0566	06-15-2011
Ethylbenzene	9.39	0.50		ppbv	94%	70 - 130	11F0566	06-15-2011
Freon 113	8.77	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Heptane	9.06	0.50		ppbv	91%	70 - 130	11F0566	06-15-2011
Hexachlorobutadiene	9.37	1.00		ppbv	94%	70 - 130	11F0566	06-15-2011
Hexane	9.33	0.50		ppbv	93%	70 - 130	11F0566	06-15-2011
Isopropylbenzene	8.89	0.50		ppbv	89%	70 - 130	11F0566	06-15-2011
m,p-Xylenes	18.4	1.00		ppbv	92%	70 - 130	11F0566	06-15-2011
Methylene Chloride	11.6	0.50		ppbv	116%	70 - 130	11F0566	06-15-2011
Methyl-tert-butyl Ether (MTBE)	9.56	1.00		ppbv	96%	70 - 130	11F0566	06-15-2011
Naphthalene	12.4	5.00		ppbv	124%	70 - 130	11F0566	06-15-2011
n-Butylbenzene	7.24	0.50		ppbv	72%	70 - 130	11F0566	06-15-2011
n-Nonane (C9)	11.9	0.50		ppbv	119%	70 - 130	11F0566	06-15-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0566-BS1								
n-Octane (C8)	9.53	0.50		ppbv	95%	70 - 130	11F0566	06-15-2011
n-Propylbenzene	8.56	0.50		ppbv	86%	70 - 130	11F0566	06-15-2011
o-Xylene	11.4	0.50		ppbv	114%	70 - 130	11F0566	06-15-2011
Propene	9.78	0.50		ppbv	98%	70 - 130	11F0566	06-15-2011
sec-Butylbenzene	7.85	0.50		ppbv	78%	70 - 130	11F0566	06-15-2011
Styrene	9.66	0.50		ppbv	97%	70 - 130	11F0566	06-15-2011
tert-Butylbenzene	8.11	0.50		ppbv	81%	70 - 130	11F0566	06-15-2011
Tetrachloroethene	8.79	0.50		ppbv	88%	70 - 130	11F0566	06-15-2011
Tetrahydrofuran	9.81	2.00		ppbv	98%	70 - 130	11F0566	06-15-2011
Toluene	9.68	0.50		ppbv	97%	70 - 130	11F0566	06-15-2011
trans-1,2-Dichloroethene	8.90	0.50		ppbv	89%	70 - 130	11F0566	06-15-2011
trans-1,3-Dichloropropene	9.71	0.50		ppbv	97%	70 - 130	11F0566	06-15-2011
Trichloroethene	8.87	0.50		ppbv	89%	70 - 130	11F0566	06-15-2011
Trichlorofluoromethane	8.60	0.50		ppbv	86%	70 - 130	11F0566	06-15-2011
Vinyl Acetate	9.56	0.50		ppbv	96%	70 - 130	11F0566	06-15-2011
Vinyl chloride	9.63	0.50		ppbv	96%	70 - 130	11F0566	06-15-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50			105%	70 - 130	11F0566	06-15-2011
11F0585-BS1								
1,1,1-Trichloroethane	8.61	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,1,2,2-Tetrachloroethane	11.2	0.50		ppbv	112%	70 - 130	11F0585	06-16-2011
1,1,2-Trichloroethane	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	111%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
1,2,4-Trichlorobenzene	10.2	2.00		ppbv	102%	70 - 130	11F0585	06-16-2011
1,2,4-Trimethylbenzene	9.10	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dibromoethane (EDB)	9.08	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dichlorobenzene	10.0	0.50		ppbv	100%	70 - 130	11F0585	06-16-2011
1,2-Dichloroethane	8.57	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,2-Dichloropropane	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
1,3,5-Trimethylbenzene	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,3-Butadiene	9.27	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
1,3-Dichlorobenzene	10.7	0.50		ppbv	107%	70 - 130	11F0585	06-16-2011
1,4-Dichlorobenzene	8.48	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011
2,2,4-Trimethylpentane	8.97	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
2-Butanone (MEK)	9.65	1.00		ppbv	96%	70 - 130	11F0585	06-16-2011
2-Hexanone	10.1	1.00		ppbv	101%	70 - 130	11F0585	06-16-2011
2-Propanol	8.92	2.00		ppbv	89%	70 - 130	11F0585	06-16-2011
4-Ethyltoluene	9.41	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
4-Methyl-2-pentanone (MIBK)	9.69	1.00		ppbv	97%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
Acetone	9.78	5.00		ppbv	98%	70 - 130	11F0585	06-16-2011
Allyl Chloride	8.78	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Benzene	9.03	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Benzyl Chloride	8.82	2.00		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromodichloromethane	8.75	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromoethene(Vinyl Bromide)	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Bromoform	10.5	0.50		ppbv	105%	70 - 130	11F0585	06-16-2011
Bromomethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
Carbon disulfide	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Carbon tetrachloride	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Chlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11F0585	06-16-2011
Chloroethane	9.33	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
Chloroform	8.50	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011
Chloromethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
cis-1,2-Dichloroethene	8.72	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
cis-1,3-Dichloropropene	9.55	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Cyclohexane	9.60	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Dibromochloromethane	8.90	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Dichlorodifluoromethane	8.77	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Dichlorotetrafluoroethane(F-114)	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Ethyl Acetate	9.76	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
Ethylbenzene	9.48	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
Freon 113	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Heptane	8.98	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Hexachlorobutadiene	9.51	1.00		ppbv	95%	70 - 130	11F0585	06-16-2011
Hexane	9.44	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	93%	70 - 130	11F0585	06-16-2011
Methylene Chloride	11.6	0.50	N1	ppbv	116%	70 - 130	11F0585	06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.35	1.00		ppbv	94%	70 - 130	11F0585	06-16-2011
Naphthalene	13.0	5.00		ppbv	130%	70 - 130	11F0585	06-16-2011
n-Butylbenzene	7.22	0.50		ppbv	72%	70 - 130	11F0585	06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	118%	70 - 130	11F0585	06-16-2011
n-Octane (C8)	9.50	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
n-Propylbenzene	8.62	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
o-Xylene	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
Propene	9.29	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
sec-Butylbenzene	7.85	0.50		ppbv	78%	70 - 130	11F0585	06-16-2011
Styrene	9.70	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
tert-Butylbenzene	8.12	0.50		ppbv	81%	70 - 130	11F0585	06-16-2011
Tetrachloroethene	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Tetrahydrofuran	9.98	2.00		ppbv	100%	70 - 130	11F0585	06-16-2011
Toluene	9.78	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
trans-1,2-Dichloroethene	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
trans-1,3-Dichloropropene	9.71	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Trichloroethene	8.59	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
Trichlorofluoromethane	8.81	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Vinyl Acetate	9.66	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Vinyl chloride	9.36	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50			105%	70 - 130	11F0585	06-16-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0566-BSD1												
1,1,1-Trichloroethane	9.42	0.50		ppbv	10.0	94%	70 - 130	11	30	11F0566		06-15-2011
1,1,2,2-Tetrachloroethane	11.7	0.50		ppbv	10.0	117%	70 - 130	4	30	11F0566		06-15-2011
1,1,2-Trichloroethane	9.68	0.50		ppbv	10.0	97%	70 - 130	6	30	11F0566		06-15-2011
1,1-Dichloroethane	12.1	0.50		ppbv	10.0	121%	70 - 130	10	30	11F0566		06-15-2011
1,1-Dichloroethene	9.93	0.50		ppbv	10.0	99%	70 - 130	10	30	11F0566		06-15-2011
1,2,4-Trichlorobenzene	10.7	2.00		ppbv	10.0	107%	70 - 130	7	30	11F0566		06-15-2011
1,2,4-Trimethylbenzene	9.43	0.50		ppbv	10.0	94%	70 - 130	3	30	11F0566		06-15-2011
1,2-Dibromoethane (EDB)	9.59	0.50		ppbv	10.0	96%	70 - 130	6	30	11F0566		06-15-2011
1,2-Dichlorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130	3	30	11F0566		06-15-2011
1,2-Dichloroethane	9.12	0.50		ppbv	10.0	91%	70 - 130	10	30	11F0566		06-15-2011
1,2-Dichloropropane	12.6	0.50		ppbv	10.0	126%	70 - 130	9	30	11F0566		06-15-2011
1,3,5-Trimethylbenzene	9.51	0.50		ppbv	10.0	95%	70 - 130	4	30	11F0566		06-15-2011
1,3-Butadiene	10.5	0.50		ppbv	10.0	105%	70 - 130	10	30	11F0566		06-15-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	1	30	11F0566		06-15-2011
1,4-Dichlorobenzene	8.63	0.50		ppbv	10.0	86%	70 - 130	3	30	11F0566		06-15-2011
2,2,4-Trimethylpentane	10.0	0.50		ppbv	10.0	100%	70 - 130	9	30	11F0566		06-15-2011
2-Butanone (MEK)	11.1	1.00		ppbv	10.0	111%	70 - 130	15	30	11F0566		06-15-2011
2-Hexanone	11.4	1.00		ppbv	10.0	114%	70 - 130	9	30	11F0566		06-15-2011
2-Propanol	11.9	2.00		ppbv	10.0	119%	70 - 130	23	30	11F0566		06-15-2011
4-Ethyltoluene	9.89	0.50		ppbv	10.0	99%	70 - 130	5	30	11F0566		06-15-2011
4-Methyl-2-pentanone (MIBK)	11.0	1.00		ppbv	10.0	110%	70 - 130	10	30	11F0566		06-15-2011
Acetone	11.1	5.00		ppbv	10.0	111%	70 - 130	12	30	11F0566		06-15-2011
Allyl Chloride	9.89	0.50		ppbv	10.0	99%	70 - 130	11	30	11F0566		06-15-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0566-BSD1												
Benzene	10.3	0.50		ppbv	10.0	103%	70 - 130	15	30	11F0566		06-15-2011
Benzyl Chloride	9.44	2.00		ppbv	10.0	94%	70 - 130	6	30	11F0566		06-15-2011
Bromodichloromethane	9.06	0.50		ppbv	10.0	91%	70 - 130	4	30	11F0566		06-15-2011
Bromoethene(Vinyl Bromide)	9.75	0.50		ppbv	10.0	98%	70 - 130	9	30	11F0566		06-15-2011
Bromoform	10.3	0.50		ppbv	10.0	103%	70 - 130	0.8	30	11F0566		06-15-2011
Bromomethane	10.0	0.50		ppbv	10.0	100%	70 - 130	8	30	11F0566		06-15-2011
Carbon disulfide	9.81	0.50		ppbv	10.0	98%	70 - 130	9	30	11F0566		06-15-2011
Carbon tetrachloride	8.97	0.50		ppbv	10.0	90%	70 - 130	6	30	11F0566		06-15-2011
Chlorobenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	5	30	11F0566		06-15-2011
Chloroethane	11.0	0.50		ppbv	10.0	110%	70 - 130	12	30	11F0566		06-15-2011
Chloroform	9.08	0.50		ppbv	10.0	91%	70 - 130	8	30	11F0566		06-15-2011
Chloromethane	10.0	0.50		ppbv	10.0	100%	70 - 130	6	30	11F0566		06-15-2011
cis-1,2-Dichloroethene	9.76	0.50		ppbv	10.0	98%	70 - 130	11	30	11F0566		06-15-2011
cis-1,3-Dichloropropene	10.3	0.50		ppbv	10.0	103%	70 - 130	7	30	11F0566		06-15-2011
Cyclohexane	10.9	0.50		ppbv	10.0	109%	70 - 130	14	30	11F0566		06-15-2011
Dibromochloromethane	9.07	0.50		ppbv	10.0	91%	70 - 130	3	30	11F0566		06-15-2011
Dichlorodifluoromethane	9.40	0.50		ppbv	10.0	94%	70 - 130	7	30	11F0566		06-15-2011
Dichlorotetrafluoroethane(F-114)	9.53	0.50		ppbv	10.0	95%	70 - 130	4	30	11F0566		06-15-2011
Ethyl Acetate	11.0	0.50		ppbv	10.0	110%	70 - 130	13	30	11F0566		06-15-2011
Ethylbenzene	10.0	0.50		ppbv	10.0	100%	70 - 130	6	30	11F0566		06-15-2011
Freon 113	9.30	0.50		ppbv	10.0	93%	70 - 130	6	30	11F0566		06-15-2011
Heptane	9.71	0.50		ppbv	10.0	97%	70 - 130	7	30	11F0566		06-15-2011
Hexachlorobutadiene	9.41	1.00		ppbv	10.0	94%	70 - 130	0.4	30	11F0566		06-15-2011
Hexane	10.6	0.50		ppbv	10.0	106%	70 - 130	13	30	11F0566		06-15-2011
Isopropylbenzene	9.34	0.50		ppbv	10.0	93%	70 - 130	5	30	11F0566		06-15-2011
m,p-Xylenes	19.4	1.00		ppbv	20.0	97%	70 - 130	5	30	11F0566		06-15-2011
Methylene Chloride	12.4	0.50		ppbv	10.0	124%	70 - 130	7	30	11F0566		06-15-2011
Methyl-tert-butyl Ether (MTBE)	12.4	1.00		ppbv	10.0	124%	70 - 130	25	30	11F0566		06-15-2011
Naphthalene	13.9	5.00	L3	ppbv	10.0	139%	70 - 130	11	30	11F0566		06-15-2011
n-Butylbenzene	7.78	0.50		ppbv	10.0	78%	70 - 130	7	30	11F0566		06-15-2011
n-Nonane (C9)	12.3	0.50		ppbv	10.0	123%	70 - 130	3	30	11F0566		06-15-2011
n-Octane (C8)	10.3	0.50		ppbv	10.0	103%	70 - 130	8	30	11F0566		06-15-2011
n-Propylbenzene	9.00	0.50		ppbv	10.0	90%	70 - 130	5	30	11F0566		06-15-2011
o-Xylene	11.8	0.50		ppbv	10.0	118%	70 - 130	3	30	11F0566		06-15-2011
Propene	11.3	0.50		ppbv	10.0	113%	70 - 130	15	30	11F0566		06-15-2011
sec-Butylbenzene	8.10	0.50		ppbv	10.0	81%	70 - 130	3	30	11F0566		06-15-2011
Styrene	10.3	0.50		ppbv	10.0	103%	70 - 130	7	30	11F0566		06-15-2011
tert-Butylbenzene	8.49	0.50		ppbv	10.0	85%	70 - 130	5	30	11F0566		06-15-2011
Tetrachloroethene	9.22	0.50		ppbv	10.0	92%	70 - 130	5	30	11F0566		06-15-2011
Tetrahydrofuran	11.2	2.00		ppbv	10.0	112%	70 - 130	13	30	11F0566		06-15-2011
Toluene	10.5	0.50		ppbv	10.0	105%	70 - 130	8	30	11F0566		06-15-2011
trans-1,2-Dichloroethene	9.97	0.50		ppbv	10.0	100%	70 - 130	11	30	11F0566		06-15-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0566-BSD1												
trans-1,3-Dichloropropene	10.8	0.50		ppbv	10.0	108%	70 - 130	10	30	11F0566		06-15-2011
Trichloroethene	9.29	0.50		ppbv	10.0	93%	70 - 130	5	30	11F0566		06-15-2011
Trichlorofluoromethane	9.03	0.50		ppbv	10.0	90%	70 - 130	5	30	11F0566		06-15-2011
Vinyl Acetate	11.3	0.50		ppbv	10.0	113%	70 - 130	17	30	11F0566		06-15-2011
Vinyl chloride	10.4	0.50		ppbv	10.0	104%	70 - 130	7	30	11F0566		06-15-2011
Surrogate: 4-Bromofluorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130			11F0566		06-15-2011
11F0585-BSD1												
1,1,1-Trichloroethane	8.65	0.50		ppbv	10.0	86%	70 - 130	0.5	30	11F0585		06-16-2011
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11F0585		06-16-2011
1,1,2-Trichloroethane	9.18	0.50		ppbv	10.0	92%	70 - 130	0.1	30	11F0585		06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	10.0	111%	70 - 130	0.09	30	11F0585		06-16-2011
1,1-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	0.3	30	11F0585		06-16-2011
1,2,4-Trichlorobenzene	10.0	2.00		ppbv	10.0	100%	70 - 130	1	30	11F0585		06-16-2011
1,2,4-Trimethylbenzene	9.23	0.50		ppbv	10.0	92%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dibromoethane (EDB)	9.14	0.50		ppbv	10.0	91%	70 - 130	0.7	30	11F0585		06-16-2011
1,2-Dichlorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130	2	30	11F0585		06-16-2011
1,2-Dichloroethane	8.48	0.50		ppbv	10.0	85%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dichloropropane	11.7	0.50		ppbv	10.0	117%	70 - 130	0.9	30	11F0585		06-16-2011
1,3,5-Trimethylbenzene	9.24	0.50		ppbv	10.0	92%	70 - 130	0.8	30	11F0585		06-16-2011
1,3-Butadiene	9.25	0.50		ppbv	10.0	92%	70 - 130	0.2	30	11F0585		06-16-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.9	30	11F0585		06-16-2011
1,4-Dichlorobenzene	8.53	0.50		ppbv	10.0	85%	70 - 130	0.6	30	11F0585		06-16-2011
2,2,4-Trimethylpentane	9.21	0.50		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
2-Butanone (MEK)	9.63	1.00		ppbv	10.0	96%	70 - 130	0.2	30	11F0585		06-16-2011
2-Hexanone	10.6	1.00		ppbv	10.0	106%	70 - 130	5	30	11F0585		06-16-2011
2-Propanol	9.22	2.00		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
4-Ethyltoluene	9.49	0.50		ppbv	10.0	95%	70 - 130	0.8	30	11F0585		06-16-2011
4-Methyl-2-pentanone (MIBK)	10.0	1.00		ppbv	10.0	100%	70 - 130	4	30	11F0585		06-16-2011
Acetone	9.68	5.00		ppbv	10.0	97%	70 - 130	1	30	11F0585		06-16-2011
Allyl Chloride	9.09	0.50		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011
Benzene	9.03	0.50		ppbv	10.0	90%	70 - 130	0	30	11F0585		06-16-2011
Benzyl Chloride	9.07	2.00		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011
Bromodichloromethane	8.79	0.50		ppbv	10.0	88%	70 - 130	0.5	30	11F0585		06-16-2011
Bromoethene(Vinyl Bromide)	8.87	0.50		ppbv	10.0	89%	70 - 130	0.7	30	11F0585		06-16-2011
Bromoform	10.5	0.50		ppbv	10.0	105%	70 - 130	0	30	11F0585		06-16-2011
Bromomethane	9.06	0.50		ppbv	10.0	91%	70 - 130	0.3	30	11F0585		06-16-2011
Carbon disulfide	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011
Carbon tetrachloride	8.49	0.50		ppbv	10.0	85%	70 - 130	2	30	11F0585		06-16-2011
Chlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.2	30	11F0585		06-16-2011
Chloroethane	9.38	0.50		ppbv	10.0	94%	70 - 130	0.5	30	11F0585		06-16-2011
Chloroform	8.52	0.50		ppbv	10.0	85%	70 - 130	0.2	30	11F0585		06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0824
Project: Motorola Air
Project Number: Motorola 52

Received: 06/14/11
Reported: 07/14/11 14:41

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
Chloromethane	9.09	0.50		ppbv	10.0	91%	70 - 130	0	30	11F0585		06-16-2011
cis-1,2-Dichloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	1	30	11F0585		06-16-2011
cis-1,3-Dichloropropene	9.63	0.50		ppbv	10.0	96%	70 - 130	0.8	30	11F0585		06-16-2011
Cyclohexane	9.46	0.50		ppbv	10.0	95%	70 - 130	1	30	11F0585		06-16-2011
Dibromochloromethane	8.88	0.50		ppbv	10.0	89%	70 - 130	0.2	30	11F0585		06-16-2011
Dichlorodifluoromethane	8.55	0.50		ppbv	10.0	86%	70 - 130	3	30	11F0585		06-16-2011
Dichlorotetrafluoroethane(F-114)	8.97	0.50		ppbv	10.0	90%	70 - 130	0.6	30	11F0585		06-16-2011
Ethyl Acetate	9.70	0.50		ppbv	10.0	97%	70 - 130	0.6	30	11F0585		06-16-2011
Ethylbenzene	9.53	0.50		ppbv	10.0	95%	70 - 130	0.5	30	11F0585		06-16-2011
Freon 113	8.79	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Heptane	9.11	0.50		ppbv	10.0	91%	70 - 130	1	30	11F0585		06-16-2011
Hexachlorobutadiene	9.26	1.00		ppbv	10.0	93%	70 - 130	3	30	11F0585		06-16-2011
Hexane	9.31	0.50		ppbv	10.0	93%	70 - 130	1	30	11F0585		06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	10.0	89%	70 - 130	0	30	11F0585		06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	20.0	93%	70 - 130	0.2	30	11F0585		06-16-2011
Methylene Chloride	11.5	0.50	N1	ppbv	10.0	115%	70 - 130	0.2	30	11F0585		06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.44	1.00		ppbv	10.0	94%	70 - 130	1	30	11F0585		06-16-2011
Naphthalene	12.7	5.00		ppbv	10.0	127%	70 - 130	2	30	11F0585		06-16-2011
n-Butylbenzene	7.24	0.50		ppbv	10.0	72%	70 - 130	0.3	30	11F0585		06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	10.0	118%	70 - 130	0.4	30	11F0585		06-16-2011
n-Octane (C8)	9.61	0.50		ppbv	10.0	96%	70 - 130	1	30	11F0585		06-16-2011
n-Propylbenzene	8.64	0.50		ppbv	10.0	86%	70 - 130	0.2	30	11F0585		06-16-2011
o-Xylene	11.6	0.50		ppbv	10.0	116%	70 - 130	0.3	30	11F0585		06-16-2011
Propene	9.32	0.50		ppbv	10.0	93%	70 - 130	0.3	30	11F0585		06-16-2011
sec-Butylbenzene	7.88	0.50		ppbv	10.0	79%	70 - 130	0.4	30	11F0585		06-16-2011
Styrene	9.77	0.50		ppbv	10.0	98%	70 - 130	0.7	30	11F0585		06-16-2011
tert-Butylbenzene	8.19	0.50		ppbv	10.0	82%	70 - 130	0.9	30	11F0585		06-16-2011
Tetrachloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Tetrahydrofuran	9.93	2.00		ppbv	10.0	99%	70 - 130	0.5	30	11F0585		06-16-2011
Toluene	9.81	0.50		ppbv	10.0	98%	70 - 130	0.3	30	11F0585		06-16-2011
trans-1,2-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011
trans-1,3-Dichloropropene	9.88	0.50		ppbv	10.0	99%	70 - 130	2	30	11F0585		06-16-2011
Trichloroethene	8.87	0.50		ppbv	10.0	89%	70 - 130	3	30	11F0585		06-16-2011
Trichlorofluoromethane	8.68	0.50		ppbv	10.0	87%	70 - 130	1	30	11F0585		06-16-2011
Vinyl Acetate	9.67	0.50		ppbv	10.0	97%	70 - 130	0.1	30	11F0585		06-16-2011
Vinyl chloride	9.31	0.50		ppbv	10.0	93%	70 - 130	0.5	30	11F0585		06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50		ppbv	10.0	105%	70 - 130			11F0585		06-16-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF0824	Received: 06/14/11
6155 E. Indian School Rd., Suite 200			Reported: 07/14/11 14:41
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF0824	Received: 06/14/11
6155 E. Indian School Rd., Suite 200			Reported: 07/14/11 14:41
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

N1 See case narrative.

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse
Company: Clear Creek Associates	Phone: 480-659-7131
Address: 6155 E Indian School	Email: tcruse@clearcreekassociates.com
City/State/Zip Scottsdale, AZ 85251	Site Contact:
Phone: 480-659-7131	LAB Contact:
FAX: 480-659-7143	Analysis Turnaround Time
Project Name: Motorola 52	Standard (Specify) 48hr
Site:	Rush (Specify)
PO #	

Samples Collected By: Russell Granford

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV69-15	6/14/11	0808	0810	0.4, 1.0, 6.0		1439	X				PUF0824-01							
SV69-5	6/14/11	0817	0819	0.4, 1.0, 6.0		E2042	X								-02			
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by:	Date/Time: 6/14/11 1252	Received by:	
Relinquished by:	Date/Time:	Received by:	6/14/11 1252

20-0°C 4n 5

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

July 18, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUF0898
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	06/15/11
Final Report:	07/18/11 07:53

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-Methylene Chloride = The daily second source continuing calibration verification standard recovered high and outside of acceptance limits for Methylene Chloride. All associated samples are non-detect for this analyte and therefore should not be impacted.
N1-There is possible trichloroethene carryover in samples PUF0898-07 and -08. Sample results could not be confirmed. Re-analysis was not possible due to insufficient sample.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV69-15	PUF0898-01	06/15/11	S/N 2510 0.4L Canister
SV69-5	PUF0898-02	06/15/11	S/N 1438 0.4L Canister
SV72-15	PUF0898-03	06/15/11	S/N 2506 0.4L Canister
SV72-5	PUF0898-04	06/15/11	S/N 1473 0.4L Canister
SV71-15	PUF0898-05	06/15/11	S/N 0787 0.4L Canister
SV71-5	PUF0898-06	06/15/11	S/N 1445 0.4L Canister
SV64-15	PUF0898-07	06/15/11	S/N 1420 0.4L Canister
SV64-5	PUF0898-08	06/15/11	S/N 1455 0.4L Canister
SV67-15	PUF0898-09	06/15/11	S/N 1700 0.4L Canister
SV67-15 Dup	PUF0898-10	06/15/11	S/N 2502 0.4L Canister
SV67-5	PUF0898-11	06/15/11	S/N 1459 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-01 (SV69-15)			**Sampling Time: min**					**Sampled: 06/15/11 08:20**	
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**5.9**	**0.50**	**29**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**2.0**	**0.50**	**9.8**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**40**	**1.0**	**120**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**2.9**	**1.0**	**12**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.9	4.9		1.0	6/17/2011	LC	EPA TO15
4-Ethyltoluene	**1.0**	**0.50**	**4.9**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**4.7**	**1.0**	**19**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**4.2**	**0.50**	**28**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**43**	**0.50**	**210**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**3.3**	**0.50**	**11**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	**0.53**	**0.50**	**2.6**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**1.6**	**0.50**	**5.8**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.1**	**0.50**	**9.1**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	**2.9**	**0.50**	**12**	**2.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-01 (SV69-15) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 08:20**
Hexane	**4.2**	**0.50**	**15**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**0.51**	**0.50**	**2.5**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**6.4**	**1.0**	**28**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**15**	**0.50**	**79**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**2.7**	**0.50**	**13**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**0.63**	**0.50**	**3.1**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**2.7**	**0.50**	**12**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**1.2**	**0.50**	**8.1**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**35**	**2.0**	**100**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**13**	**0.50**	**49**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**0.59**	**0.50**	**3.2**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	**14**	**0.50**	**79**	**2.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-01RE1 (SV69-15)			**Sampling Time: min**					**Sampled: 06/15/11 08:20**	
Acetone	**330**	**50**	**780**	**120**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Carbon disulfide	**50**	**5.0**	**160**	**16**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Propene	**47**	**5.0**	**81**	**8.6**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-02 (SV69-5) — **Sampling Time: min** — **Sampled: 06/15/11 08:40**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**20**	**0.50**	**98**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**5.5**	**0.50**	**27**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	**0.78**	**0.50**	**4.7**	**3.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**35**	**1.0**	**100**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**7.6**	**1.0**	**31**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	**28**	**2.0**	**69**	**4.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**11**	**1.0**	**45**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	**1.7**	**0.50**	**5.4**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**5.9**	**0.50**	**40**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**39**	**0.50**	**120**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**18**	**0.50**	**88**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**4.9**	**0.50**	**17**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**2.9**	**0.50**	**25**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**0.79**	**0.50**	**2.9**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**3.0**	**0.50**	**13**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	**1.7**	**0.50**	**7.0**	**2.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**1.5**	**0.50**	**5.3**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-02 (SV69-5) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 08:40**
Isopropylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
m,p-Xylenes	**12**	**1.0**	**52**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Octane (C8)	**8.3**	**0.50**	**39**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
o-Xylene	**8.5**	**0.50**	**37**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**17**	**0.50**	**29**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**0.58**	**0.50**	**3.9**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.9	5.9		1.0	6/17/2011	LC	EPA TO15
Toluene	**22**	**0.50**	**83**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**0.53**	**0.50**	**2.9**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	**5.4**	**0.50**	**30**	**2.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-02RE1 (SV69-5)			**Sampling Time: min**					**Sampled: 06/15/11 08:40**	
Acetone	**100**	**50**	**240**	**120**		**10**	**6/23/2011**	**LC**	**EPA TO15**
n-Nonane (C9)	**51**	**5.0**	**270**	**26**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-03 (SV72-15) — **Sampling Time: min** — **Sampled: 06/15/11 09:11**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	**8.1**	**0.50**	**32**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**7.9**	**0.50**	**39**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	**5.1**	**0.50**	**24**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Butanone (MEK)	**42**	**1.0**	**120**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**5.3**	**1.0**	**22**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**7.2**	**1.0**	**30**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**13**	**0.50**	**42**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**6.4**	**0.50**	**43**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**6.8**	**0.50**	**21**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	**1.5**	**0.50**	**6.0**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**9.1**	**0.50**	**31**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/16/2011	LC	EPA TO15
Dichlorodifluoromethane	**0.67**	**0.50**	**3.3**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Ethylbenzene	**3.2**	**0.50**	**14**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	**9.9**	**0.50**	**41**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	**17**	**0.50**	**60**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**0.68**	**0.50**	**3.3**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**9.1**	**1.0**	**40**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3						
	Result	RL	Result	RL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-03 (SV72-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 09:11**	
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	**20**	**0.50**	**110**	**2.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**7.4**	**0.50**	**35**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**7.5**	**0.50**	**33**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**7.7**	**0.50**	**52**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**32**	**2.0**	**94**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**18**	**0.50**	**68**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3						
	Result	RL	Result	RL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-03RE1 (SV72-15)			**Sampling Time: min**						**Sampled: 06/15/11 09:11**
2-Propanol	<40	40	<98	98		20	6/23/2011	LC	EPA TO15
Acetone	**230**	**100**	**550**	**240**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Chloroform	**250**	**10**	**1200**	**49**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Freon 113	**63**	**10**	**480**	**77**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Methylene Chloride	<10	10	<35	35		20	6/23/2011	LC	EPA TO15
Propene	**130**	**10**	**220**	**17**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Trichloroethene	**2000**	**10**	**11000**	**54**	**E1**	**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-04 (SV72-5) — **Sampling Time: min** — **Sampled: 06/15/11 09:23**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	**1.2**	**0.50**	**4.8**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**22**	**0.50**	**110**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**7.2**	**0.50**	**35**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	**4.7**	**0.50**	**22**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**7.3**	**1.0**	**30**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.9	4.9		1.0	6/16/2011	LC	EPA TO15
4-Ethyltoluene	**4.9**	**0.50**	**24**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**8.7**	**1.0**	**36**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**11**	**0.50**	**35**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**13**	**0.50**	**87**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**6.1**	**0.50**	**21**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**2.6**	**0.50**	**22**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	**0.55**	**0.50**	**2.7**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**2.4**	**0.50**	**8.7**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**5.6**	**0.50**	**24**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	**10**	**0.50**	**41**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	**11**	**0.50**	**39**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**1.4**	**0.50**	**6.9**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**19**	**1.0**	**83**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-04 (SV72-5) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 09:23**
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Octane (C8)	**15**	**0.50**	**70**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**11**	**0.50**	**48**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**5.9**	**0.50**	**40**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**23**	**2.0**	**68**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**44**	**0.50**	**170**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*95 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-04RE1 (SV72-5)			**Sampling Time: min**						**Sampled: 06/15/11 09:23**
2-Butanone (MEK)	**83**	**20**	**250**	**59**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Acetone	**170**	**99**	**400**	**240**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Carbon disulfide	**42**	**9.9**	**130**	**31**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Chloroform	**160**	**9.9**	**780**	**48**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Freon 113	**29**	**9.9**	**220**	**76**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Methylene Chloride	<9.9	9.9	<34	34		20	6/23/2011	LC	EPA TO15
n-Nonane (C9)	**30**	**9.9**	**160**	**52**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Propene	**100**	**9.9**	**170**	**17**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Trichloroethene	**1200**	**9.9**	**6500**	**53**	**E1**	**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-05 (SV71-15) — **Sampling Time: min** — **Sampled: 06/15/11 09:45**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**13**	**0.50**	**64**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**3.6**	**0.50**	**18**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
2-Butanone (MEK)	**14**	**1.0**	**41**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**3.1**	**1.0**	**13**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	**14**	**2.0**	**34**	**4.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.6**	**0.50**	**13**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**3.6**	**1.0**	**15**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Acetone	**37**	**5.0**	**88**	**12**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**0.79**	**0.50**	**5.3**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**3.6**	**0.50**	**11**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloroform	**9.6**	**0.50**	**47**	**2.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**3.5**	**0.50**	**12**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/16/2011	LC	EPA TO15
Dichlorodifluoromethane	**1.7**	**0.50**	**8.4**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**0.75**	**0.50**	**2.7**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.4**	**0.50**	**10**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Freon 113	**3.6**	**0.50**	**28**	**3.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-05 (SV71-15) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 09:45**
Hexane	**0.59**	**0.50**	**2.1**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**0.94**	**0.50**	**4.6**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**7.2**	**1.0**	**31**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/16/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	**17**	**0.50**	**89**	**2.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**1.8**	**0.50**	**8.4**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**0.91**	**0.50**	**4.5**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
o-Xylene	**5.6**	**0.50**	**24**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Propene	**8.9**	**0.50**	**15**	**0.86**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	**0.57**	**0.50**	**2.4**	**2.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**2.6**	**0.50**	**18**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**17**	**2.0**	**50**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**6.1**	**0.50**	**23**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*99 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-05RE1 (SV71-15)			**Sampling Time: min**					**Sampled: 06/15/11 09:45**	
Trichloroethene	**370**	**10**	**2000**	**54**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-06 (SV71-5) — **Sampling Time: min** — **Sampled: 06/15/11 09:59**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**12**	**0.50**	**59**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**4.3**	**0.50**	**21**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
2-Butanone (MEK)	**43**	**1.0**	**130**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**3.3**	**1.0**	**14**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	**43**	**2.0**	**110**	**4.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.3**	**0.50**	**11**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**5.3**	**1.0**	**22**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**2.1**	**0.50**	**14**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**3.7**	**0.50**	**12**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloroform	**8.9**	**0.50**	**44**	**2.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**1.8**	**0.50**	**6.2**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**0.60**	**0.50**	**5.1**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	**1.5**	**0.50**	**7.4**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**2.8**	**0.50**	**10**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.6**	**0.50**	**11**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Freon 113	**2.4**	**0.50**	**18**	**3.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-06 (SV71-5) - cont. — **Sampling Time: min** — **Sampled: 06/15/11 09:59**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Isopropylbenzene	**0.72**	**0.50**	**3.5**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**7.1**	**1.0**	**31**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/16/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	**7.5**	**0.50**	**39**	**2.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**0.74**	**0.50**	**3.5**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**0.89**	**0.50**	**4.4**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
o-Xylene	**6.9**	**0.50**	**30**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Propene	**5.0**	**0.50**	**8.6**	**0.86**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	**0.60**	**0.50**	**2.6**	**2.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**1.8**	**0.50**	**12**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**28**	**2.0**	**83**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**9.8**	**0.50**	**37**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-06RE1 (SV71-5)				Sampling Time: min				Sampled: 06/15/11 09:59	
Acetone	**300**	**51**	**710**	**120**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Trichloroethene	**190**	**5.1**	**1000**	**27**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-07 (SV64-15) — **Sampling Time: min** — **Sampled: 06/15/11 10:23**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**3.5**	**0.50**	**17**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**0.84**	**0.50**	**4.1**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
2-Butanone (MEK)	**37**	**1.0**	**110**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**1.7**	**1.0**	**7.0**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	**14**	**2.0**	**34**	**4.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**2.1**	**1.0**	**8.6**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**3.7**	**0.50**	**12**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**0.83**	**0.50**	**2.6**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloroform	**0.53**	**0.50**	**2.6**	**2.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**3.8**	**0.50**	**13**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/16/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**2.1**	**0.50**	**7.6**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**1.7**	**0.50**	**7.4**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-07 (SV64-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 10:23**	
Isopropylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
m,p-Xylenes	**4.2**	**1.0**	**18**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/16/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.6	2.6		1.0	6/16/2011	LC	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**3.4**	**0.50**	**15**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Propene	**4.2**	**0.50**	**7.2**	**0.86**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**0.81**	**0.50**	**5.5**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**20**	**2.0**	**59**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**3.1**	**0.50**	**12**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichloroethene	**1.5**	**0.50**	**8.1**	**2.7**	**N1**	**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	**0.77**	**0.50**	**4.3**	**2.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*102 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-07RE1 (SV64-15)			**Sampling Time: min**					**Sampled: 06/15/11 10:23**	
Acetone	**330**	**50**	**780**	**120**		**9.9**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-08 (SV64-5) — **Sampling Time: min** — **Sampled: 06/15/11 10:36**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**6.4**	**0.50**	**32**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**2.2**	**0.50**	**11**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**9.0**	**1.0**	**27**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.1	4.1		1.0	6/17/2011	LC	EPA TO15
2-Propanol	**15**	**2.0**	**37**	**4.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**1.1**	**1.0**	**4.5**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Acetone	**19**	**5.0**	**45**	**12**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	**1.9**	**0.50**	**6.1**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**0.63**	**0.50**	**4.2**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**1.4**	**0.50**	**4.4**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**1.2**	**0.50**	**5.9**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**2.4**	**0.50**	**8.3**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Ethylbenzene	**0.84**	**0.50**	**3.7**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-08 (SV64-5) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 10:36**
Hexane	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Isopropylbenzene	**0.50**	**0.50**	**2.5**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**2.3**	**1.0**	**10**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**1.8**	**0.50**	**9.4**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
o-Xylene	**3.3**	**0.50**	**14**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**4.5**	**0.50**	**7.7**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Tetrahydrofuran	**13**	**2.0**	**38**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**1.8**	**0.50**	**6.8**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**3.4**	**0.50**	**18**	**2.7**	**N1**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*102 %*		*Limit 70-130*						

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-09 (SV67-15) — **Sampling Time: min** — **Sampled: 06/15/11 10:59**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**12**	**0.50**	**59**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**4.6**	**0.50**	**23**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	**0.56**	**0.50**	**3.4**	**3.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Hexanone	**5.0**	**1.0**	**21**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.1	4.1		1.0	6/17/2011	LC	EPA TO15
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**1.2**	**0.50**	**3.7**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**1.7**	**0.50**	**8.3**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	**3.8**	**0.50**	**19**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**3.7**	**0.50**	**13**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**5.4**	**0.50**	**23**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**0.57**	**0.50**	**2.0**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**2.5**	**0.50**	**12**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**11**	**1.0**	**48**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-09 (SV67-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 10:59**	
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**9.4**	**0.50**	**49**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**1.4**	**0.50**	**6.5**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**1.5**	**0.50**	**7.4**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**18**	**0.50**	**78**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**9.2**	**0.50**	**16**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**0.79**	**0.50**	**5.4**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**10**	**0.50**	**38**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*103 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-09RE1 (SV67-15)			**Sampling Time: min**					**Sampled: 06/15/11 10:59**	
2-Butanone (MEK)	**140**	**20**	**410**	**59**		**20**	**6/23/2011**	**LC**	**EPA TO15**
2-Propanol	**88**	**41**	**220**	**100**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Acetone	**210**	**100**	**500**	**240**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Cyclohexane	<10	10	<34	34		20	6/23/2011	LC	EPA TO15
Tetrahydrofuran	**140**	**41**	**410**	**120**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-10 (SV67-15 Dup) — **Sampling Time: min** — **Sampled: 06/15/11 11:01**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**9.8**	**0.50**	**48**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**3.9**	**0.50**	**19**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**18**	**1.0**	**53**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**3.5**	**1.0**	**14**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	**17**	**2.0**	**42**	**4.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.0**	**0.50**	**9.8**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**7.2**	**1.0**	**30**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**2.3**	**0.50**	**7.2**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**2.5**	**0.50**	**12**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**4.7**	**0.50**	**16**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	**4.9**	**0.50**	**24**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**1.5**	**0.50**	**5.4**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.3**	**0.50**	**10**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**0.66**	**0.50**	**2.3**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-10 (SV67-15 Dup) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 11:01**	
Isopropylbenzene	**0.93**	**0.50**	**4.6**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**6.1**	**1.0**	**27**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**15**	**0.50**	**79**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**1.8**	**0.50**	**8.4**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**0.80**	**0.50**	**3.9**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**5.1**	**0.50**	**22**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**18**	**0.50**	**31**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	**0.63**	**0.50**	**2.7**	**2.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**1.1**	**0.50**	**7.5**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**16**	**2.0**	**47**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**8.9**	**0.50**	**34**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**2.9**	**0.50**	**16**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*101 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-10RE1 (SV67-15 Dup)				**Sampling Time: min**				**Sampled: 06/15/11 11:01**	
Acetone	**70**	**25**	**170**	**59**		**5.0**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-11 (SV67-5) — **Sampling Time: min** — **Sampled: 06/15/11 11:14**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**25**	**0.50**	**120**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**10**	**0.50**	**49**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**45**	**1.0**	**130**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**3.0**	**1.0**	**12**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	**24**	**2.0**	**59**	**4.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**3.2**	**0.50**	**16**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**6.2**	**1.0**	**25**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**1.7**	**0.50**	**11**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**4.5**	**0.50**	**14**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**6.5**	**0.50**	**32**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**4.6**	**0.50**	**16**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**0.72**	**0.50**	**6.1**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	**3.5**	**0.50**	**17**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**2.7**	**0.50**	**9.7**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**3.7**	**0.50**	**16**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	**0.71**	**0.50**	**2.9**	**2.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**0.55**	**0.50**	**1.9**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-11 (SV67-5) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 11:14**
Isopropylbenzene	**1.0**	**0.50**	**4.9**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**9.4**	**1.0**	**41**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**17**	**0.50**	**89**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**0.99**	**0.50**	**4.6**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**1.4**	**0.50**	**6.9**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**5.0**	**0.50**	**22**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**5.2**	**0.50**	**9.0**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	**0.88**	**0.50**	**3.8**	**2.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**0.93**	**0.50**	**6.3**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**37**	**2.0**	**110**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**13**	**0.50**	**49**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*99 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-11RE1 (SV67-5)				Sampling Time: min				Sampled: 06/15/11 11:14	
Acetone	**190**	**50**	**450**	**120**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Hexanone	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Propanol	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Acetone	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromomethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Cyclohexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Freon 113	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Heptane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Methylene Chloride	<0.50	0.50	N1	ppbv	11F0585	11F0585-BLK1	06-16-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Naphthalene	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
o-Xylene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Propene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Styrene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Toluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Surrogate: 4-Bromofluorobenzene	96%				11F0585	11F0585-BLK1	06-16-2011
11F0857-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0857-BLK1							
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Hexanone	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Propanol	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Acetone	<5.0	5.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Benzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromoform	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromomethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloroform	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Cyclohexane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Freon 113	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Heptane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Hexane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Methylene Chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0857-BLK1							
Naphthalene	<5.0	5.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
o-Xylene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Propene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Styrene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Toluene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Trichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Surrogate: 4-Bromofluorobenzene	95%				11F0857	11F0857-BLK1	06-23-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
1,1,1-Trichloroethane	8.61	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,1,2,2-Tetrachloroethane	11.2	0.50		ppbv	112%	70 - 130	11F0585	06-16-2011
1,1,2-Trichloroethane	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	111%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
1,2,4-Trichlorobenzene	10.2	2.00		ppbv	102%	70 - 130	11F0585	06-16-2011
1,2,4-Trimethylbenzene	9.10	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dibromoethane (EDB)	9.08	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dichlorobenzene	10.0	0.50		ppbv	100%	70 - 130	11F0585	06-16-2011
1,2-Dichloroethane	8.57	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,2-Dichloropropane	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
1,3,5-Trimethylbenzene	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,3-Butadiene	9.27	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
1,3-Dichlorobenzene	10.7	0.50		ppbv	107%	70 - 130	11F0585	06-16-2011
1,4-Dichlorobenzene	8.48	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
2,2,4-Trimethylpentane	8.97	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
2-Butanone (MEK)	9.65	1.00		ppbv	96%	70 - 130	11F0585	06-16-2011
2-Hexanone	10.1	1.00		ppbv	101%	70 - 130	11F0585	06-16-2011
2-Propanol	8.92	2.00		ppbv	89%	70 - 130	11F0585	06-16-2011
4-Ethyltoluene	9.41	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
4-Methyl-2-pentanone (MIBK)	9.69	1.00		ppbv	97%	70 - 130	11F0585	06-16-2011
Acetone	9.78	5.00		ppbv	98%	70 - 130	11F0585	06-16-2011
Allyl Chloride	8.78	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Benzene	9.03	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Benzyl Chloride	8.82	2.00		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromodichloromethane	8.75	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromoethene(Vinyl Bromide)	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Bromoform	10.5	0.50		ppbv	105%	70 - 130	11F0585	06-16-2011
Bromomethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
Carbon disulfide	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Carbon tetrachloride	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Chlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11F0585	06-16-2011
Chloroethane	9.33	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
Chloroform	8.50	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011
Chloromethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
cis-1,2-Dichloroethene	8.72	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
cis-1,3-Dichloropropene	9.55	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Cyclohexane	9.60	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Dibromochloromethane	8.90	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Dichlorodifluoromethane	8.77	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Dichlorotetrafluoroethane(F-114)	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Ethyl Acetate	9.76	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
Ethylbenzene	9.48	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
Freon 113	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Heptane	8.98	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Hexachlorobutadiene	9.51	1.00		ppbv	95%	70 - 130	11F0585	06-16-2011
Hexane	9.44	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	93%	70 - 130	11F0585	06-16-2011
Methylene Chloride	11.6	0.50	N1	ppbv	116%	70 - 130	11F0585	06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.35	1.00		ppbv	94%	70 - 130	11F0585	06-16-2011
Naphthalene	13.0	5.00		ppbv	130%	70 - 130	11F0585	06-16-2011
n-Butylbenzene	7.22	0.50		ppbv	72%	70 - 130	11F0585	06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	118%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
n-Octane (C8)	9.50	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
n-Propylbenzene	8.62	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
o-Xylene	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
Propene	9.29	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
sec-Butylbenzene	7.85	0.50		ppbv	78%	70 - 130	11F0585	06-16-2011
Styrene	9.70	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
tert-Butylbenzene	8.12	0.50		ppbv	81%	70 - 130	11F0585	06-16-2011
Tetrachloroethene	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Tetrahydrofuran	9.98	2.00		ppbv	100%	70 - 130	11F0585	06-16-2011
Toluene	9.78	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
trans-1,2-Dichloroethene	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
trans-1,3-Dichloropropene	9.71	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Trichloroethene	8.59	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
Trichlorofluoromethane	8.81	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Vinyl Acetate	9.66	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Vinyl chloride	9.36	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50			105%	70 - 130	11F0585	06-16-2011
11F0857-BS1								
1,1,1-Trichloroethane	7.76	0.50		ppbv	78%	70 - 130	11F0857	06-23-2011
1,1,2,2-Tetrachloroethane	8.14	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
1,1,2-Trichloroethane	8.35	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
1,1-Dichloroethane	9.70	0.50		ppbv	97%	70 - 130	11F0857	06-23-2011
1,1-Dichloroethene	10.2	0.50		ppbv	102%	70 - 130	11F0857	06-23-2011
1,2,4-Trichlorobenzene	8.67	2.00		ppbv	87%	70 - 130	11F0857	06-23-2011
1,2,4-Trimethylbenzene	10.3	0.50		ppbv	103%	70 - 130	11F0857	06-23-2011
1,2-Dibromoethane (EDB)	8.58	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,2-Dichlorobenzene	8.60	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,2-Dichloroethane	7.94	0.50		ppbv	79%	70 - 130	11F0857	06-23-2011
1,2-Dichloropropane	8.09	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
1,3,5-Trimethylbenzene	10.1	0.50		ppbv	101%	70 - 130	11F0857	06-23-2011
1,3-Butadiene	11.4	0.50		ppbv	114%	70 - 130	11F0857	06-23-2011
1,3-Dichlorobenzene	8.55	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,4-Dichlorobenzene	9.44	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
2,2,4-Trimethylpentane	8.47	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
2-Butanone (MEK)	9.42	1.00		ppbv	94%	70 - 130	11F0857	06-23-2011
2-Hexanone	10.5	1.00		ppbv	105%	70 - 130	11F0857	06-23-2011
2-Propanol	8.34	2.00		ppbv	83%	70 - 130	11F0857	06-23-2011
4-Ethyltoluene	9.97	0.50		ppbv	100%	70 - 130	11F0857	06-23-2011
4-Methyl-2-pentanone (MIBK)	10.1	1.00		ppbv	101%	70 - 130	11F0857	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0857-BS1								
Acetone	9.42	5.00		ppbv	94%	70 - 130	11F0857	06-23-2011
Allyl Chloride	8.51	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
Benzene	8.32	0.50		ppbv	83%	70 - 130	11F0857	06-23-2011
Benzyl Chloride	9.47	2.00		ppbv	95%	70 - 130	11F0857	06-23-2011
Bromodichloromethane	8.11	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
Bromoethene(Vinyl Bromide)	11.1	0.50		ppbv	111%	70 - 130	11F0857	06-23-2011
Bromoform	8.38	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
Bromomethane	11.5	0.50		ppbv	115%	70 - 130	11F0857	06-23-2011
Carbon disulfide	11.2	0.50		ppbv	112%	70 - 130	11F0857	06-23-2011
Carbon tetrachloride	10.1	0.50		ppbv	101%	70 - 130	11F0857	06-23-2011
Chlorobenzene	8.11	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
Chloroethane	10.7	0.50		ppbv	107%	70 - 130	11F0857	06-23-2011
Chloroform	9.65	0.50		ppbv	96%	70 - 130	11F0857	06-23-2011
Chloromethane	12.2	0.50		ppbv	122%	70 - 130	11F0857	06-23-2011
cis-1,2-Dichloroethene	8.30	0.50		ppbv	83%	70 - 130	11F0857	06-23-2011
cis-1,3-Dichloropropene	8.71	0.50		ppbv	87%	70 - 130	11F0857	06-23-2011
Cyclohexane	9.10	0.50		ppbv	91%	70 - 130	11F0857	06-23-2011
Dibromochloromethane	8.57	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
Dichlorodifluoromethane	12.1	0.50		ppbv	121%	70 - 130	11F0857	06-23-2011
Dichlorotetrafluoroethane(F-114)	11.7	0.50		ppbv	117%	70 - 130	11F0857	06-23-2011
Ethyl Acetate	9.24	0.50		ppbv	92%	70 - 130	11F0857	06-23-2011
Ethylbenzene	9.37	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
Freon 113	10.3	0.50		ppbv	103%	70 - 130	11F0857	06-23-2011
Heptane	8.89	0.50		ppbv	89%	70 - 130	11F0857	06-23-2011
Hexachlorobutadiene	8.36	1.00		ppbv	84%	70 - 130	11F0857	06-23-2011
Hexane	8.94	0.50		ppbv	89%	70 - 130	11F0857	06-23-2011
Isopropylbenzene	9.89	0.50		ppbv	99%	70 - 130	11F0857	06-23-2011
m,p-Xylenes	18.2	1.00		ppbv	91%	70 - 130	11F0857	06-23-2011
Methylene Chloride	10.6	0.50		ppbv	106%	70 - 130	11F0857	06-23-2011
Methyl-tert-butyl Ether (MTBE)	8.01	1.00		ppbv	80%	70 - 130	11F0857	06-23-2011
Naphthalene	9.19	5.00		ppbv	92%	70 - 130	11F0857	06-23-2011
n-Butylbenzene	11.1	0.50		ppbv	111%	70 - 130	11F0857	06-23-2011
n-Nonane (C9)	8.72	0.50		ppbv	87%	70 - 130	11F0857	06-23-2011
n-Octane (C8)	9.49	0.50		ppbv	95%	70 - 130	11F0857	06-23-2011
n-Propylbenzene	9.90	0.50		ppbv	99%	70 - 130	11F0857	06-23-2011
o-Xylene	8.47	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
Propene	9.78	0.50		ppbv	98%	70 - 130	11F0857	06-23-2011
sec-Butylbenzene	10.4	0.50		ppbv	104%	70 - 130	11F0857	06-23-2011
Styrene	9.65	0.50		ppbv	96%	70 - 130	11F0857	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0857-BS1								
tert-Butylbenzene	10.5	0.50		ppbv	105%	70 - 130	11F0857	06-23-2011
Tetrachloroethene	8.45	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
Tetrahydrofuran	9.55	2.00		ppbv	96%	70 - 130	11F0857	06-23-2011
Toluene	9.43	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
trans-1,2-Dichloroethene	8.46	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
trans-1,3-Dichloropropene	9.12	0.50		ppbv	91%	70 - 130	11F0857	06-23-2011
Trichloroethene	9.99	0.50		ppbv	100%	70 - 130	11F0857	06-23-2011
Trichlorofluoromethane	11.4	0.50		ppbv	114%	70 - 130	11F0857	06-23-2011
Vinyl Acetate	9.45	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
Vinyl chloride	11.7	0.50		ppbv	117%	70 - 130	11F0857	06-23-2011
Surrogate: 4-Bromofluorobenzene	10.3	0.50			103%	70 - 130	11F0857	06-23-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
1,1,1-Trichloroethane	8.65	0.50		ppbv	10.0	86%	70 - 130	0.5	30	11F0585		06-16-2011
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11F0585		06-16-2011
1,1,2-Trichloroethane	9.18	0.50		ppbv	10.0	92%	70 - 130	0.1	30	11F0585		06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	10.0	111%	70 - 130	0.09	30	11F0585		06-16-2011
1,1-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	0.3	30	11F0585		06-16-2011
1,2,4-Trichlorobenzene	10.0	2.00		ppbv	10.0	100%	70 - 130	1	30	11F0585		06-16-2011
1,2,4-Trimethylbenzene	9.23	0.50		ppbv	10.0	92%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dibromoethane (EDB)	9.14	0.50		ppbv	10.0	91%	70 - 130	0.7	30	11F0585		06-16-2011
1,2-Dichlorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130	2	30	11F0585		06-16-2011
1,2-Dichloroethane	8.48	0.50		ppbv	10.0	85%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dichloropropane	11.7	0.50		ppbv	10.0	117%	70 - 130	0.9	30	11F0585		06-16-2011
1,3,5-Trimethylbenzene	9.24	0.50		ppbv	10.0	92%	70 - 130	0.8	30	11F0585		06-16-2011
1,3-Butadiene	9.25	0.50		ppbv	10.0	92%	70 - 130	0.2	30	11F0585		06-16-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.9	30	11F0585		06-16-2011
1,4-Dichlorobenzene	8.53	0.50		ppbv	10.0	85%	70 - 130	0.6	30	11F0585		06-16-2011
2,2,4-Trimethylpentane	9.21	0.50		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
2-Butanone (MEK)	9.63	1.00		ppbv	10.0	96%	70 - 130	0.2	30	11F0585		06-16-2011
2-Hexanone	10.6	1.00		ppbv	10.0	106%	70 - 130	5	30	11F0585		06-16-2011
2-Propanol	9.22	2.00		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
4-Ethyltoluene	9.49	0.50		ppbv	10.0	95%	70 - 130	0.8	30	11F0585		06-16-2011
4-Methyl-2-pentanone (MIBK)	10.0	1.00		ppbv	10.0	100%	70 - 130	4	30	11F0585		06-16-2011
Acetone	9.68	5.00		ppbv	10.0	97%	70 - 130	1	30	11F0585		06-16-2011
Allyl Chloride	9.09	0.50		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
Benzene	9.03	0.50		ppbv	10.0	90%	70 - 130	0	30	11F0585		06-16-2011
Benzyl Chloride	9.07	2.00		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011
Bromodichloromethane	8.79	0.50		ppbv	10.0	88%	70 - 130	0.5	30	11F0585		06-16-2011
Bromoethene(Vinyl Bromide)	8.87	0.50		ppbv	10.0	89%	70 - 130	0.7	30	11F0585		06-16-2011
Bromoform	10.5	0.50		ppbv	10.0	105%	70 - 130	0	30	11F0585		06-16-2011
Bromomethane	9.06	0.50		ppbv	10.0	91%	70 - 130	0.3	30	11F0585		06-16-2011
Carbon disulfide	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011
Carbon tetrachloride	8.49	0.50		ppbv	10.0	85%	70 - 130	2	30	11F0585		06-16-2011
Chlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.2	30	11F0585		06-16-2011
Chloroethane	9.38	0.50		ppbv	10.0	94%	70 - 130	0.5	30	11F0585		06-16-2011
Chloroform	8.52	0.50		ppbv	10.0	85%	70 - 130	0.2	30	11F0585		06-16-2011
Chloromethane	9.09	0.50		ppbv	10.0	91%	70 - 130	0	30	11F0585		06-16-2011
cis-1,2-Dichloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	1	30	11F0585		06-16-2011
cis-1,3-Dichloropropene	9.63	0.50		ppbv	10.0	96%	70 - 130	0.8	30	11F0585		06-16-2011
Cyclohexane	9.46	0.50		ppbv	10.0	95%	70 - 130	1	30	11F0585		06-16-2011
Dibromochloromethane	8.88	0.50		ppbv	10.0	89%	70 - 130	0.2	30	11F0585		06-16-2011
Dichlorodifluoromethane	8.55	0.50		ppbv	10.0	86%	70 - 130	3	30	11F0585		06-16-2011
Dichlorotetrafluoroethane(F-114)	8.97	0.50		ppbv	10.0	90%	70 - 130	0.6	30	11F0585		06-16-2011
Ethyl Acetate	9.70	0.50		ppbv	10.0	97%	70 - 130	0.6	30	11F0585		06-16-2011
Ethylbenzene	9.53	0.50		ppbv	10.0	95%	70 - 130	0.5	30	11F0585		06-16-2011
Freon 113	8.79	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Heptane	9.11	0.50		ppbv	10.0	91%	70 - 130	1	30	11F0585		06-16-2011
Hexachlorobutadiene	9.26	1.00		ppbv	10.0	93%	70 - 130	3	30	11F0585		06-16-2011
Hexane	9.31	0.50		ppbv	10.0	93%	70 - 130	1	30	11F0585		06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	10.0	89%	70 - 130	0	30	11F0585		06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	20.0	93%	70 - 130	0.2	30	11F0585		06-16-2011
Methylene Chloride	11.5	0.50	N1	ppbv	10.0	115%	70 - 130	0.2	30	11F0585		06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.44	1.00		ppbv	10.0	94%	70 - 130	1	30	11F0585		06-16-2011
Naphthalene	12.7	5.00		ppbv	10.0	127%	70 - 130	2	30	11F0585		06-16-2011
n-Butylbenzene	7.24	0.50		ppbv	10.0	72%	70 - 130	0.3	30	11F0585		06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	10.0	118%	70 - 130	0.4	30	11F0585		06-16-2011
n-Octane (C8)	9.61	0.50		ppbv	10.0	96%	70 - 130	1	30	11F0585		06-16-2011
n-Propylbenzene	8.64	0.50		ppbv	10.0	86%	70 - 130	0.2	30	11F0585		06-16-2011
o-Xylene	11.6	0.50		ppbv	10.0	116%	70 - 130	0.3	30	11F0585		06-16-2011
Propene	9.32	0.50		ppbv	10.0	93%	70 - 130	0.3	30	11F0585		06-16-2011
sec-Butylbenzene	7.88	0.50		ppbv	10.0	79%	70 - 130	0.4	30	11F0585		06-16-2011
Styrene	9.77	0.50		ppbv	10.0	98%	70 - 130	0.7	30	11F0585		06-16-2011
tert-Butylbenzene	8.19	0.50		ppbv	10.0	82%	70 - 130	0.9	30	11F0585		06-16-2011
Tetrachloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Tetrahydrofuran	9.93	2.00		ppbv	10.0	99%	70 - 130	0.5	30	11F0585		06-16-2011
Toluene	9.81	0.50		ppbv	10.0	98%	70 - 130	0.3	30	11F0585		06-16-2011
trans-1,2-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
trans-1,3-Dichloropropene	9.88	0.50		ppbv	10.0	99%	70 - 130	2	30	11F0585		06-16-2011
Trichloroethene	8.87	0.50		ppbv	10.0	89%	70 - 130	3	30	11F0585		06-16-2011
Trichlorofluoromethane	8.68	0.50		ppbv	10.0	87%	70 - 130	1	30	11F0585		06-16-2011
Vinyl Acetate	9.67	0.50		ppbv	10.0	97%	70 - 130	0.1	30	11F0585		06-16-2011
Vinyl chloride	9.31	0.50		ppbv	10.0	93%	70 - 130	0.5	30	11F0585		06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50		ppbv	10.0	105%	70 - 130			11F0585		06-16-2011
11F0857-BSD1												
1,1,1-Trichloroethane	7.42	0.50		ppbv	10.0	74%	70 - 130	4	30	11F0857		06-23-2011
1,1,2,2-Tetrachloroethane	7.61	0.50		ppbv	10.0	76%	70 - 130	7	30	11F0857		06-23-2011
1,1,2-Trichloroethane	7.45	0.50		ppbv	10.0	74%	70 - 130	11	30	11F0857		06-23-2011
1,1-Dichloroethane	9.11	0.50		ppbv	10.0	91%	70 - 130	6	30	11F0857		06-23-2011
1,1-Dichloroethene	9.47	0.50		ppbv	10.0	95%	70 - 130	8	30	11F0857		06-23-2011
1,2,4-Trichlorobenzene	7.76	2.00		ppbv	10.0	78%	70 - 130	11	30	11F0857		06-23-2011
1,2,4-Trimethylbenzene	9.61	0.50		ppbv	10.0	96%	70 - 130	7	30	11F0857		06-23-2011
1,2-Dibromoethane (EDB)	7.60	0.50		ppbv	10.0	76%	70 - 130	12	30	11F0857		06-23-2011
1,2-Dichlorobenzene	8.06	0.50		ppbv	10.0	81%	70 - 130	6	30	11F0857		06-23-2011
1,2-Dichloroethane	7.35	0.50		ppbv	10.0	74%	70 - 130	8	30	11F0857		06-23-2011
1,2-Dichloropropane	7.28	0.50		ppbv	10.0	73%	70 - 130	11	30	11F0857		06-23-2011
1,3,5-Trimethylbenzene	9.42	0.50		ppbv	10.0	94%	70 - 130	7	30	11F0857		06-23-2011
1,3-Butadiene	9.94	0.50		ppbv	10.0	99%	70 - 130	14	30	11F0857		06-23-2011
1,3-Dichlorobenzene	7.91	0.50		ppbv	10.0	79%	70 - 130	8	30	11F0857		06-23-2011
1,4-Dichlorobenzene	8.78	0.50		ppbv	10.0	88%	70 - 130	7	30	11F0857		06-23-2011
2,2,4-Trimethylpentane	7.86	0.50		ppbv	10.0	79%	70 - 130	7	30	11F0857		06-23-2011
2-Butanone (MEK)	8.57	1.00		ppbv	10.0	86%	70 - 130	9	30	11F0857		06-23-2011
2-Hexanone	9.27	1.00		ppbv	10.0	93%	70 - 130	12	30	11F0857		06-23-2011
2-Propanol	7.51	2.00		ppbv	10.0	75%	70 - 130	10	30	11F0857		06-23-2011
4-Ethyltoluene	9.29	0.50		ppbv	10.0	93%	70 - 130	7	30	11F0857		06-23-2011
4-Methyl-2-pentanone (MIBK)	8.85	1.00		ppbv	10.0	88%	70 - 130	13	30	11F0857		06-23-2011
Acetone	7.96	5.00		ppbv	10.0	80%	70 - 130	17	30	11F0857		06-23-2011
Allyl Chloride	8.13	0.50		ppbv	10.0	81%	70 - 130	5	30	11F0857		06-23-2011
Benzene	7.74	0.50		ppbv	10.0	77%	70 - 130	7	30	11F0857		06-23-2011
Benzyl Chloride	8.98	2.00		ppbv	10.0	90%	70 - 130	5	30	11F0857		06-23-2011
Bromodichloromethane	7.31	0.50		ppbv	10.0	73%	70 - 130	10	30	11F0857		06-23-2011
Bromoethene(Vinyl Bromide)	9.71	0.50		ppbv	10.0	97%	70 - 130	13	30	11F0857		06-23-2011
Bromoform	7.68	0.50		ppbv	10.0	77%	70 - 130	9	30	11F0857		06-23-2011
Bromomethane	9.91	0.50		ppbv	10.0	99%	70 - 130	15	30	11F0857		06-23-2011
Carbon disulfide	9.91	0.50		ppbv	10.0	99%	70 - 130	12	30	11F0857		06-23-2011
Carbon tetrachloride	9.06	0.50		ppbv	10.0	91%	70 - 130	11	30	11F0857		06-23-2011
Chlorobenzene	7.44	0.50		ppbv	10.0	74%	70 - 130	9	30	11F0857		06-23-2011
Chloroethane	9.48	0.50		ppbv	10.0	95%	70 - 130	12	30	11F0857		06-23-2011
Chloroform	9.09	0.50		ppbv	10.0	91%	70 - 130	6	30	11F0857		06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0857-BSD1												
Chloromethane	10.4	0.50		ppbv	10.0	104%	70 - 130	15	30	11F0857		06-23-2011
cis-1,2-Dichloroethene	7.95	0.50		ppbv	10.0	80%	70 - 130	4	30	11F0857		06-23-2011
cis-1,3-Dichloropropene	7.77	0.50		ppbv	10.0	78%	70 - 130	11	30	11F0857		06-23-2011
Cyclohexane	8.35	0.50		ppbv	10.0	84%	70 - 130	9	30	11F0857		06-23-2011
Dibromochloromethane	7.58	0.50		ppbv	10.0	76%	70 - 130	12	30	11F0857		06-23-2011
Dichlorodifluoromethane	10.5	0.50		ppbv	10.0	105%	70 - 130	15	30	11F0857		06-23-2011
Dichlorotetrafluoroethane(F-114)	10.2	0.50		ppbv	10.0	102%	70 - 130	13	30	11F0857		06-23-2011
Ethyl Acetate	8.35	0.50		ppbv	10.0	84%	70 - 130	10	30	11F0857		06-23-2011
Ethylbenzene	8.63	0.50		ppbv	10.0	86%	70 - 130	8	30	11F0857		06-23-2011
Freon 113	9.35	0.50		ppbv	10.0	94%	70 - 130	10	30	11F0857		06-23-2011
Heptane	7.86	0.50		ppbv	10.0	79%	70 - 130	12	30	11F0857		06-23-2011
Hexachlorobutadiene	7.35	1.00		ppbv	10.0	74%	70 - 130	13	30	11F0857		06-23-2011
Hexane	8.16	0.50		ppbv	10.0	82%	70 - 130	9	30	11F0857		06-23-2011
Isopropylbenzene	9.06	0.50		ppbv	10.0	91%	70 - 130	9	30	11F0857		06-23-2011
m,p-Xylenes	16.6	1.00		ppbv	20.0	83%	70 - 130	9	30	11F0857		06-23-2011
Methylene Chloride	9.67	0.50		ppbv	10.0	97%	70 - 130	9	30	11F0857		06-23-2011
Methyl-tert-butyl Ether (MTBE)	7.49	1.00		ppbv	10.0	75%	70 - 130	7	30	11F0857		06-23-2011
Naphthalene	8.25	5.00		ppbv	10.0	82%	70 - 130	11	30	11F0857		06-23-2011
n-Butylbenzene	10.6	0.50		ppbv	10.0	106%	70 - 130	5	30	11F0857		06-23-2011
n-Nonane (C9)	8.09	0.50		ppbv	10.0	81%	70 - 130	7	30	11F0857		06-23-2011
n-Octane (C8)	8.59	0.50		ppbv	10.0	86%	70 - 130	10	30	11F0857		06-23-2011
n-Propylbenzene	9.16	0.50		ppbv	10.0	92%	70 - 130	8	30	11F0857		06-23-2011
o-Xylene	7.75	0.50		ppbv	10.0	78%	70 - 130	9	30	11F0857		06-23-2011
Propene	8.79	0.50		ppbv	10.0	88%	70 - 130	11	30	11F0857		06-23-2011
sec-Butylbenzene	9.63	0.50		ppbv	10.0	96%	70 - 130	7	30	11F0857		06-23-2011
Styrene	8.89	0.50		ppbv	10.0	89%	70 - 130	8	30	11F0857		06-23-2011
tert-Butylbenzene	9.86	0.50		ppbv	10.0	99%	70 - 130	7	30	11F0857		06-23-2011
Tetrachloroethene	7.76	0.50		ppbv	10.0	78%	70 - 130	9	30	11F0857		06-23-2011
Tetrahydrofuran	8.68	2.00		ppbv	10.0	87%	70 - 130	10	30	11F0857		06-23-2011
Toluene	8.39	0.50		ppbv	10.0	84%	70 - 130	12	30	11F0857		06-23-2011
trans-1,2-Dichloroethene	7.83	0.50		ppbv	10.0	78%	70 - 130	8	30	11F0857		06-23-2011
trans-1,3-Dichloropropene	8.19	0.50		ppbv	10.0	82%	70 - 130	11	30	11F0857		06-23-2011
Trichloroethene	9.35	0.50		ppbv	10.0	94%	70 - 130	7	30	11F0857		06-23-2011
Trichlorofluoromethane	10.0	0.50		ppbv	10.0	100%	70 - 130	13	30	11F0857		06-23-2011
Vinyl Acetate	8.52	0.50		ppbv	10.0	85%	70 - 130	10	30	11F0857		06-23-2011
Vinyl chloride	9.98	0.50		ppbv	10.0	100%	70 - 130	16	30	11F0857		06-23-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130			11F0857		06-23-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF0898	Received: 06/15/11
6155 E. Indian School Rd., Suite 200			Reported: 07/18/11 07:53
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF0898	Received: 06/15/11
6155 E. Indian School Rd., Suite 200			Reported: 07/18/11 07:53
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

E1 Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.

N1 See case narrative.

ADDITIONAL COMMENTS

PUF 0898

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Riley Trickey
Company: Clear Creek Associates	Phone: (480) 659 - 7131	
Address: 6155 E. Indian School Rd St#200	Email: tcruz@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: (480) 659 - 7131	LAB Contact:	
FAX:	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify) 48 hr	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV69 - 15	6/15/11	0818	0820	0.4, 1.0, 6.0		2510	X										-	09
SV69 - 5		0838	0840	0.4, 1.0, 6.0		1438											-	02
SV72 - 15		0909	0911	0.4, 1.0, 6.0		2506											-	03
SV72 - 5		0921	0923	0.4, 1.0, 6.0		1473											-	04
SV71 - 15		0943	0945	0.4, 1.0, 6.0		0787											-	05
SV71 - 5		0957	0959	0.4, 1.0, 6.0		1445											-	06
SV64 - 15		1021	1023	0.4, 1.0, 6.0		1420											-	07
SV64 - 5		1034	1036	0.4, 1.0, 6.0		1455											-	08
SV67 - 15		1057	1059	0.4, 1.0, 6.0		1700											-	09
SV67 - 15 Dup		1059	1101	0.4, 1.0, 6.0		2502											-	10
~~SV67 - 5~~		~~1112~~	1114	0.4, 1.0, 6.0		1459											-	11
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by:	Date/Time: 6/15/11 1139	Received by:
Relinquished by:	Date/Time: 06-15-11 11:39	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

July 15, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUF1020
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	06/16/11
Final Report:	07/15/11 09:50

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 Methylene Chloride= The daily second source continuing calibration verification standard recovered high and outside of acceptance limits for Methylene Chloride. All associated samples are non-detect for this analyte and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV60-15	PUF1020-01	06/16/11	S/N 1453 0.4L Canister
SV60-5	PUF1020-02	06/16/11	S/N e2046 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF1020-01 (SV60-15)			**Sampling Time: min**					**Sampled: 06/16/11 11:05**	
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**41**	**0.50**	**200**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**18**	**0.50**	**89**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**12**	**1.0**	**35**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**2.0**	**1.0**	**8.2**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**5.2**	**0.50**	**26**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**3.0**	**1.0**	**12**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Acetone	**38**	**5.0**	**90**	**12**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	**3.0**	**0.50**	**9.6**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**1.0**	**0.50**	**6.7**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**8.0**	**0.50**	**25**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**22**	**0.50**	**110**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**4.9**	**0.50**	**17**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**1.7**	**0.50**	**6.1**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**3.9**	**0.50**	**17**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	**2.8**	**0.50**	**22**	**3.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Heptane	**1.4**	**0.50**	**5.7**	**2.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF1020-01 (SV60-15) - cont. — **Sampling Time: min** — **Sampled: 06/16/11 11:05**

	ppbv		ug/m3						
	Result	**RL**	**Result**	**RL**	**Data Qualifiers**	**Dilution**	**Date Analyzed**	**Analyst**	**Method**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**1.9**	**0.50**	**6.7**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**1.1**	**0.50**	**5.4**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**11**	**1.0**	**48**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Octane (C8)	**3.6**	**0.50**	**17**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
o-Xylene	**4.6**	**0.50**	**20**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**44**	**0.50**	**76**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	**1.5**	**0.50**	**6.4**	**2.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**1.7**	**0.50**	**12**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**3.2**	**2.0**	**9.4**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**14**	**0.50**	**53**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**28**	**0.50**	**150**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF1020-01RE1 (SV60-15)			**Sampling Time: min**					**Sampled: 06/16/11 11:05**	
2-Propanol	**97**	**20**	**240**	**49**		**10**	**6/23/2011**	**LC**	**EPA TO15**
n-Nonane (C9)	**65**	**5.0**	**340**	**26**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF1020-02 (SV60-5) — **Sampling Time: min** — **Sampled: 06/16/11 11:14**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	**0.71**	**0.50**	**4.3**	**3.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2,2,4-Trimethylpentane	**0.53**	**0.50**	**2.5**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Butanone (MEK)	**24**	**1.0**	**71**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**5.3**	**1.0**	**22**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.9	4.9		1.0	6/17/2011	LC	EPA TO15
4-Ethyltoluene	**11**	**0.50**	**54**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**8.6**	**1.0**	**35**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	**3.9**	**0.50**	**13**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**5.0**	**0.50**	**34**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	**0.73**	**0.50**	**3.4**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**25**	**0.50**	**120**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**8.2**	**0.50**	**28**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**2.0**	**0.50**	**17**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**1.5**	**0.50**	**5.4**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**7.4**	**0.50**	**32**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	**1.8**	**0.50**	**14**	**3.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Heptane	**3.9**	**0.50**	**16**	**2.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**5.7**	**0.50**	**20**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**1.9**	**0.50**	**9.3**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**22**	**1.0**	**96**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

	ppbv		ug/m3						
	Result	RL	Result	RL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF1020-02 (SV60-5) - cont.			**Sampling Time: min**					**Sampled: 06/16/11 11:14**	
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Octane (C8)	**4.8**	**0.50**	**22**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**3.0**	**0.50**	**15**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**8.7**	**0.50**	**38**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	**1.9**	**0.50**	**8.1**	**2.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**1.3**	**0.50**	**8.8**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**4.0**	**2.0**	**12**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**21**	**0.50**	**79**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**12**	**0.50**	**65**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*93 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF1020-02RE1 (SV60-5)			**Sampling Time: min**					**Sampled: 06/16/11 11:14**	
1,2,4-Trimethylbenzene	**160**	**5.0**	**790**	**25**		**10**	**6/23/2011**	**LC**	**EPA TO15**
1,3,5-Trimethylbenzene	**70**	**5.0**	**340**	**25**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Acetone	**130**	**50**	**310**	**120**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Carbon disulfide	**49**	**5.0**	**150**	**16**		**10**	**6/23/2011**	**LC**	**EPA TO15**
n-Nonane (C9)	**98**	**5.0**	**510**	**26**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Propene	**61**	**5.0**	**110**	**8.6**		**10**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*95 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Hexanone	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
2-Propanol	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Acetone	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromoform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Bromomethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloroform	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Chloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Cyclohexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0585-BLK1							
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Freon 113	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Heptane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Hexane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Methylene Chloride	<0.50	0.50	N1	ppbv	11F0585	11F0585-BLK1	06-16-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Naphthalene	<5.0	5.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
o-Xylene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Propene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Styrene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0585	11F0585-BLK1	06-16-2011
Toluene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichloroethene	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0585	11F0585-BLK1	06-16-2011
Surrogate: 4-Bromofluorobenzene	96%				11F0585	11F0585-BLK1	06-16-2011
11F0857-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0857-BLK1							
1,2-Dichloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3-Butadiene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Hexanone	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
2-Propanol	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Acetone	<5.0	5.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Allyl Chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Benzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Benzyl Chloride	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromodichloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromoform	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Bromomethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Carbon disulfide	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chlorobenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloroethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloroform	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Chloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Cyclohexane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dibromochloromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dichlorodifluoromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Ethyl Acetate	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Ethylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Freon 113	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Heptane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Hexane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Isopropylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
m,p-Xylenes	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Methylene Chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11F0857	11F0857-BLK1	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11F0857-BLK1							
Naphthalene	<5.0	5.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Octane (C8)	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
n-Propylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
o-Xylene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Propene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Styrene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Tetrachloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11F0857	11F0857-BLK1	06-23-2011
Toluene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Trichloroethene	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Vinyl Acetate	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Vinyl chloride	<0.50	0.50		ppbv	11F0857	11F0857-BLK1	06-23-2011
Surrogate: 4-Bromofluorobenzene	95%				11F0857	11F0857-BLK1	06-23-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
1,1,1-Trichloroethane	8.61	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,1,2,2-Tetrachloroethane	11.2	0.50		ppbv	112%	70 - 130	11F0585	06-16-2011
1,1,2-Trichloroethane	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	111%	70 - 130	11F0585	06-16-2011
1,1-Dichloroethene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
1,2,4-Trichlorobenzene	10.2	2.00		ppbv	102%	70 - 130	11F0585	06-16-2011
1,2,4-Trimethylbenzene	9.10	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dibromoethane (EDB)	9.08	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
1,2-Dichlorobenzene	10.0	0.50		ppbv	100%	70 - 130	11F0585	06-16-2011
1,2-Dichloroethane	8.57	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
1,2-Dichloropropane	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
1,3,5-Trimethylbenzene	9.17	0.50		ppbv	92%	70 - 130	11F0585	06-16-2011
1,3-Butadiene	9.27	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
1,3-Dichlorobenzene	10.7	0.50		ppbv	107%	70 - 130	11F0585	06-16-2011
1,4-Dichlorobenzene	8.48	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
2,2,4-Trimethylpentane	8.97	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
2-Butanone (MEK)	9.65	1.00		ppbv	96%	70 - 130	11F0585	06-16-2011
2-Hexanone	10.1	1.00		ppbv	101%	70 - 130	11F0585	06-16-2011
2-Propanol	8.92	2.00		ppbv	89%	70 - 130	11F0585	06-16-2011
4-Ethyltoluene	9.41	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
4-Methyl-2-pentanone (MIBK)	9.69	1.00		ppbv	97%	70 - 130	11F0585	06-16-2011
Acetone	9.78	5.00		ppbv	98%	70 - 130	11F0585	06-16-2011
Allyl Chloride	8.78	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Benzene	9.03	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Benzyl Chloride	8.82	2.00		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromodichloromethane	8.75	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Bromoethene(Vinyl Bromide)	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Bromoform	10.5	0.50		ppbv	105%	70 - 130	11F0585	06-16-2011
Bromomethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
Carbon disulfide	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Carbon tetrachloride	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Chlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11F0585	06-16-2011
Chloroethane	9.33	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
Chloroform	8.50	0.50		ppbv	85%	70 - 130	11F0585	06-16-2011
Chloromethane	9.09	0.50		ppbv	91%	70 - 130	11F0585	06-16-2011
cis-1,2-Dichloroethene	8.72	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
cis-1,3-Dichloropropene	9.55	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Cyclohexane	9.60	0.50		ppbv	96%	70 - 130	11F0585	06-16-2011
Dibromochloromethane	8.90	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Dichlorodifluoromethane	8.77	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Dichlorotetrafluoroethane(F-114)	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Ethyl Acetate	9.76	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
Ethylbenzene	9.48	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
Freon 113	8.93	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
Heptane	8.98	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
Hexachlorobutadiene	9.51	1.00		ppbv	95%	70 - 130	11F0585	06-16-2011
Hexane	9.44	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	89%	70 - 130	11F0585	06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	93%	70 - 130	11F0585	06-16-2011
Methylene Chloride	11.6	0.50	N1	ppbv	116%	70 - 130	11F0585	06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.35	1.00		ppbv	94%	70 - 130	11F0585	06-16-2011
Naphthalene	13.0	5.00		ppbv	130%	70 - 130	11F0585	06-16-2011
n-Butylbenzene	7.22	0.50		ppbv	72%	70 - 130	11F0585	06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	118%	70 - 130	11F0585	06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0585-BS1								
n-Octane (C8)	9.50	0.50		ppbv	95%	70 - 130	11F0585	06-16-2011
n-Propylbenzene	8.62	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
o-Xylene	11.6	0.50		ppbv	116%	70 - 130	11F0585	06-16-2011
Propene	9.29	0.50		ppbv	93%	70 - 130	11F0585	06-16-2011
sec-Butylbenzene	7.85	0.50		ppbv	78%	70 - 130	11F0585	06-16-2011
Styrene	9.70	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
tert-Butylbenzene	8.12	0.50		ppbv	81%	70 - 130	11F0585	06-16-2011
Tetrachloroethene	8.68	0.50		ppbv	87%	70 - 130	11F0585	06-16-2011
Tetrahydrofuran	9.98	2.00		ppbv	100%	70 - 130	11F0585	06-16-2011
Toluene	9.78	0.50		ppbv	98%	70 - 130	11F0585	06-16-2011
trans-1,2-Dichloroethene	9.02	0.50		ppbv	90%	70 - 130	11F0585	06-16-2011
trans-1,3-Dichloropropene	9.71	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Trichloroethene	8.59	0.50		ppbv	86%	70 - 130	11F0585	06-16-2011
Trichlorofluoromethane	8.81	0.50		ppbv	88%	70 - 130	11F0585	06-16-2011
Vinyl Acetate	9.66	0.50		ppbv	97%	70 - 130	11F0585	06-16-2011
Vinyl chloride	9.36	0.50		ppbv	94%	70 - 130	11F0585	06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50			105%	70 - 130	11F0585	06-16-2011
11F0857-BS1								
1,1,1-Trichloroethane	7.76	0.50		ppbv	78%	70 - 130	11F0857	06-23-2011
1,1,2,2-Tetrachloroethane	8.14	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
1,1,2-Trichloroethane	8.35	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
1,1-Dichloroethane	9.70	0.50		ppbv	97%	70 - 130	11F0857	06-23-2011
1,1-Dichloroethene	10.2	0.50		ppbv	102%	70 - 130	11F0857	06-23-2011
1,2,4-Trichlorobenzene	8.67	2.00		ppbv	87%	70 - 130	11F0857	06-23-2011
1,2,4-Trimethylbenzene	10.3	0.50		ppbv	103%	70 - 130	11F0857	06-23-2011
1,2-Dibromoethane (EDB)	8.58	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,2-Dichlorobenzene	8.60	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,2-Dichloroethane	7.94	0.50		ppbv	79%	70 - 130	11F0857	06-23-2011
1,2-Dichloropropane	8.09	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
1,3,5-Trimethylbenzene	10.1	0.50		ppbv	101%	70 - 130	11F0857	06-23-2011
1,3-Butadiene	11.4	0.50		ppbv	114%	70 - 130	11F0857	06-23-2011
1,3-Dichlorobenzene	8.55	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
1,4-Dichlorobenzene	9.44	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
2,2,4-Trimethylpentane	8.47	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
2-Butanone (MEK)	9.42	1.00		ppbv	94%	70 - 130	11F0857	06-23-2011
2-Hexanone	10.5	1.00		ppbv	105%	70 - 130	11F0857	06-23-2011
2-Propanol	8.34	2.00		ppbv	83%	70 - 130	11F0857	06-23-2011
4-Ethyltoluene	9.97	0.50		ppbv	100%	70 - 130	11F0857	06-23-2011
4-Methyl-2-pentanone (MIBK)	10.1	1.00		ppbv	101%	70 - 130	11F0857	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0857-BS1								
Acetone	9.42	5.00		ppbv	94%	70 - 130	11F0857	06-23-2011
Allyl Chloride	8.51	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
Benzene	8.32	0.50		ppbv	83%	70 - 130	11F0857	06-23-2011
Benzyl Chloride	9.47	2.00		ppbv	95%	70 - 130	11F0857	06-23-2011
Bromodichloromethane	8.11	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
Bromoethene(Vinyl Bromide)	11.1	0.50		ppbv	111%	70 - 130	11F0857	06-23-2011
Bromoform	8.38	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
Bromomethane	11.5	0.50		ppbv	115%	70 - 130	11F0857	06-23-2011
Carbon disulfide	11.2	0.50		ppbv	112%	70 - 130	11F0857	06-23-2011
Carbon tetrachloride	10.1	0.50		ppbv	101%	70 - 130	11F0857	06-23-2011
Chlorobenzene	8.11	0.50		ppbv	81%	70 - 130	11F0857	06-23-2011
Chloroethane	10.7	0.50		ppbv	107%	70 - 130	11F0857	06-23-2011
Chloroform	9.65	0.50		ppbv	96%	70 - 130	11F0857	06-23-2011
Chloromethane	12.2	0.50		ppbv	122%	70 - 130	11F0857	06-23-2011
cis-1,2-Dichloroethene	8.30	0.50		ppbv	83%	70 - 130	11F0857	06-23-2011
cis-1,3-Dichloropropene	8.71	0.50		ppbv	87%	70 - 130	11F0857	06-23-2011
Cyclohexane	9.10	0.50		ppbv	91%	70 - 130	11F0857	06-23-2011
Dibromochloromethane	8.57	0.50		ppbv	86%	70 - 130	11F0857	06-23-2011
Dichlorodifluoromethane	12.1	0.50		ppbv	121%	70 - 130	11F0857	06-23-2011
Dichlorotetrafluoroethane(F-114)	11.7	0.50		ppbv	117%	70 - 130	11F0857	06-23-2011
Ethyl Acetate	9.24	0.50		ppbv	92%	70 - 130	11F0857	06-23-2011
Ethylbenzene	9.37	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
Freon 113	10.3	0.50		ppbv	103%	70 - 130	11F0857	06-23-2011
Heptane	8.89	0.50		ppbv	89%	70 - 130	11F0857	06-23-2011
Hexachlorobutadiene	8.36	1.00		ppbv	84%	70 - 130	11F0857	06-23-2011
Hexane	8.94	0.50		ppbv	89%	70 - 130	11F0857	06-23-2011
Isopropylbenzene	9.89	0.50		ppbv	99%	70 - 130	11F0857	06-23-2011
m,p-Xylenes	18.2	1.00		ppbv	91%	70 - 130	11F0857	06-23-2011
Methylene Chloride	10.6	0.50		ppbv	106%	70 - 130	11F0857	06-23-2011
Methyl-tert-butyl Ether (MTBE)	8.01	1.00		ppbv	80%	70 - 130	11F0857	06-23-2011
Naphthalene	9.19	5.00		ppbv	92%	70 - 130	11F0857	06-23-2011
n-Butylbenzene	11.1	0.50		ppbv	111%	70 - 130	11F0857	06-23-2011
n-Nonane (C9)	8.72	0.50		ppbv	87%	70 - 130	11F0857	06-23-2011
n-Octane (C8)	9.49	0.50		ppbv	95%	70 - 130	11F0857	06-23-2011
n-Propylbenzene	9.90	0.50		ppbv	99%	70 - 130	11F0857	06-23-2011
o-Xylene	8.47	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
Propene	9.78	0.50		ppbv	98%	70 - 130	11F0857	06-23-2011
sec-Butylbenzene	10.4	0.50		ppbv	104%	70 - 130	11F0857	06-23-2011
Styrene	9.65	0.50		ppbv	96%	70 - 130	11F0857	06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11F0857-BS1								
tert-Butylbenzene	10.5	0.50		ppbv	105%	70 - 130	11F0857	06-23-2011
Tetrachloroethene	8.45	0.50		ppbv	84%	70 - 130	11F0857	06-23-2011
Tetrahydrofuran	9.55	2.00		ppbv	96%	70 - 130	11F0857	06-23-2011
Toluene	9.43	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
trans-1,2-Dichloroethene	8.46	0.50		ppbv	85%	70 - 130	11F0857	06-23-2011
trans-1,3-Dichloropropene	9.12	0.50		ppbv	91%	70 - 130	11F0857	06-23-2011
Trichloroethene	9.99	0.50		ppbv	100%	70 - 130	11F0857	06-23-2011
Trichlorofluoromethane	11.4	0.50		ppbv	114%	70 - 130	11F0857	06-23-2011
Vinyl Acetate	9.45	0.50		ppbv	94%	70 - 130	11F0857	06-23-2011
Vinyl chloride	11.7	0.50		ppbv	117%	70 - 130	11F0857	06-23-2011
Surrogate: 4-Bromofluorobenzene	10.3	0.50			103%	70 - 130	11F0857	06-23-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
1,1,1-Trichloroethane	8.65	0.50		ppbv	10.0	86%	70 - 130	0.5	30	11F0585		06-16-2011
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11F0585		06-16-2011
1,1,2-Trichloroethane	9.18	0.50		ppbv	10.0	92%	70 - 130	0.1	30	11F0585		06-16-2011
1,1-Dichloroethane	11.1	0.50		ppbv	10.0	111%	70 - 130	0.09	30	11F0585		06-16-2011
1,1-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	0.3	30	11F0585		06-16-2011
1,2,4-Trichlorobenzene	10.0	2.00		ppbv	10.0	100%	70 - 130	1	30	11F0585		06-16-2011
1,2,4-Trimethylbenzene	9.23	0.50		ppbv	10.0	92%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dibromoethane (EDB)	9.14	0.50		ppbv	10.0	91%	70 - 130	0.7	30	11F0585		06-16-2011
1,2-Dichlorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130	2	30	11F0585		06-16-2011
1,2-Dichloroethane	8.48	0.50		ppbv	10.0	85%	70 - 130	1	30	11F0585		06-16-2011
1,2-Dichloropropane	11.7	0.50		ppbv	10.0	117%	70 - 130	0.9	30	11F0585		06-16-2011
1,3,5-Trimethylbenzene	9.24	0.50		ppbv	10.0	92%	70 - 130	0.8	30	11F0585		06-16-2011
1,3-Butadiene	9.25	0.50		ppbv	10.0	92%	70 - 130	0.2	30	11F0585		06-16-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.9	30	11F0585		06-16-2011
1,4-Dichlorobenzene	8.53	0.50		ppbv	10.0	85%	70 - 130	0.6	30	11F0585		06-16-2011
2,2,4-Trimethylpentane	9.21	0.50		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
2-Butanone (MEK)	9.63	1.00		ppbv	10.0	96%	70 - 130	0.2	30	11F0585		06-16-2011
2-Hexanone	10.6	1.00		ppbv	10.0	106%	70 - 130	5	30	11F0585		06-16-2011
2-Propanol	9.22	2.00		ppbv	10.0	92%	70 - 130	3	30	11F0585		06-16-2011
4-Ethyltoluene	9.49	0.50		ppbv	10.0	95%	70 - 130	0.8	30	11F0585		06-16-2011
4-Methyl-2-pentanone (MIBK)	10.0	1.00		ppbv	10.0	100%	70 - 130	4	30	11F0585		06-16-2011
Acetone	9.68	5.00		ppbv	10.0	97%	70 - 130	1	30	11F0585		06-16-2011
Allyl Chloride	9.09	0.50		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
Benzene	9.03	0.50		ppbv	10.0	90%	70 - 130	0	30	11F0585		06-16-2011
Benzyl Chloride	9.07	2.00		ppbv	10.0	91%	70 - 130	3	30	11F0585		06-16-2011
Bromodichloromethane	8.79	0.50		ppbv	10.0	88%	70 - 130	0.5	30	11F0585		06-16-2011
Bromoethene(Vinyl Bromide)	8.87	0.50		ppbv	10.0	89%	70 - 130	0.7	30	11F0585		06-16-2011
Bromoform	10.5	0.50		ppbv	10.0	105%	70 - 130	0	30	11F0585		06-16-2011
Bromomethane	9.06	0.50		ppbv	10.0	91%	70 - 130	0.3	30	11F0585		06-16-2011
Carbon disulfide	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011
Carbon tetrachloride	8.49	0.50		ppbv	10.0	85%	70 - 130	2	30	11F0585		06-16-2011
Chlorobenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0.2	30	11F0585		06-16-2011
Chloroethane	9.38	0.50		ppbv	10.0	94%	70 - 130	0.5	30	11F0585		06-16-2011
Chloroform	8.52	0.50		ppbv	10.0	85%	70 - 130	0.2	30	11F0585		06-16-2011
Chloromethane	9.09	0.50		ppbv	10.0	91%	70 - 130	0	30	11F0585		06-16-2011
cis-1,2-Dichloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	1	30	11F0585		06-16-2011
cis-1,3-Dichloropropene	9.63	0.50		ppbv	10.0	96%	70 - 130	0.8	30	11F0585		06-16-2011
Cyclohexane	9.46	0.50		ppbv	10.0	95%	70 - 130	1	30	11F0585		06-16-2011
Dibromochloromethane	8.88	0.50		ppbv	10.0	89%	70 - 130	0.2	30	11F0585		06-16-2011
Dichlorodifluoromethane	8.55	0.50		ppbv	10.0	86%	70 - 130	3	30	11F0585		06-16-2011
Dichlorotetrafluoroethane(F-114)	8.97	0.50		ppbv	10.0	90%	70 - 130	0.6	30	11F0585		06-16-2011
Ethyl Acetate	9.70	0.50		ppbv	10.0	97%	70 - 130	0.6	30	11F0585		06-16-2011
Ethylbenzene	9.53	0.50		ppbv	10.0	95%	70 - 130	0.5	30	11F0585		06-16-2011
Freon 113	8.79	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Heptane	9.11	0.50		ppbv	10.0	91%	70 - 130	1	30	11F0585		06-16-2011
Hexachlorobutadiene	9.26	1.00		ppbv	10.0	93%	70 - 130	3	30	11F0585		06-16-2011
Hexane	9.31	0.50		ppbv	10.0	93%	70 - 130	1	30	11F0585		06-16-2011
Isopropylbenzene	8.94	0.50		ppbv	10.0	89%	70 - 130	0	30	11F0585		06-16-2011
m,p-Xylenes	18.6	1.00		ppbv	20.0	93%	70 - 130	0.2	30	11F0585		06-16-2011
Methylene Chloride	11.5	0.50	N1	ppbv	10.0	115%	70 - 130	0.2	30	11F0585		06-16-2011
Methyl-tert-butyl Ether (MTBE)	9.44	1.00		ppbv	10.0	94%	70 - 130	1	30	11F0585		06-16-2011
Naphthalene	12.7	5.00		ppbv	10.0	127%	70 - 130	2	30	11F0585		06-16-2011
n-Butylbenzene	7.24	0.50		ppbv	10.0	72%	70 - 130	0.3	30	11F0585		06-16-2011
n-Nonane (C9)	11.8	0.50		ppbv	10.0	118%	70 - 130	0.4	30	11F0585		06-16-2011
n-Octane (C8)	9.61	0.50		ppbv	10.0	96%	70 - 130	1	30	11F0585		06-16-2011
n-Propylbenzene	8.64	0.50		ppbv	10.0	86%	70 - 130	0.2	30	11F0585		06-16-2011
o-Xylene	11.6	0.50		ppbv	10.0	116%	70 - 130	0.3	30	11F0585		06-16-2011
Propene	9.32	0.50		ppbv	10.0	93%	70 - 130	0.3	30	11F0585		06-16-2011
sec-Butylbenzene	7.88	0.50		ppbv	10.0	79%	70 - 130	0.4	30	11F0585		06-16-2011
Styrene	9.77	0.50		ppbv	10.0	98%	70 - 130	0.7	30	11F0585		06-16-2011
tert-Butylbenzene	8.19	0.50		ppbv	10.0	82%	70 - 130	0.9	30	11F0585		06-16-2011
Tetrachloroethene	8.84	0.50		ppbv	10.0	88%	70 - 130	2	30	11F0585		06-16-2011
Tetrahydrofuran	9.93	2.00		ppbv	10.0	99%	70 - 130	0.5	30	11F0585		06-16-2011
Toluene	9.81	0.50		ppbv	10.0	98%	70 - 130	0.3	30	11F0585		06-16-2011
trans-1,2-Dichloroethene	8.91	0.50		ppbv	10.0	89%	70 - 130	1	30	11F0585		06-16-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0585-BSD1												
trans-1,3-Dichloropropene	9.88	0.50		ppbv	10.0	99%	70 - 130	2	30	11F0585		06-16-2011
Trichloroethene	8.87	0.50		ppbv	10.0	89%	70 - 130	3	30	11F0585		06-16-2011
Trichlorofluoromethane	8.68	0.50		ppbv	10.0	87%	70 - 130	1	30	11F0585		06-16-2011
Vinyl Acetate	9.67	0.50		ppbv	10.0	97%	70 - 130	0.1	30	11F0585		06-16-2011
Vinyl chloride	9.31	0.50		ppbv	10.0	93%	70 - 130	0.5	30	11F0585		06-16-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50		ppbv	10.0	105%	70 - 130			11F0585		06-16-2011
11F0857-BSD1												
1,1,1-Trichloroethane	7.42	0.50		ppbv	10.0	74%	70 - 130	4	30	11F0857		06-23-2011
1,1,2,2-Tetrachloroethane	7.61	0.50		ppbv	10.0	76%	70 - 130	7	30	11F0857		06-23-2011
1,1,2-Trichloroethane	7.45	0.50		ppbv	10.0	74%	70 - 130	11	30	11F0857		06-23-2011
1,1-Dichloroethane	9.11	0.50		ppbv	10.0	91%	70 - 130	6	30	11F0857		06-23-2011
1,1-Dichloroethene	9.47	0.50		ppbv	10.0	95%	70 - 130	8	30	11F0857		06-23-2011
1,2,4-Trichlorobenzene	7.76	2.00		ppbv	10.0	78%	70 - 130	11	30	11F0857		06-23-2011
1,2,4-Trimethylbenzene	9.61	0.50		ppbv	10.0	96%	70 - 130	7	30	11F0857		06-23-2011
1,2-Dibromoethane (EDB)	7.60	0.50		ppbv	10.0	76%	70 - 130	12	30	11F0857		06-23-2011
1,2-Dichlorobenzene	8.06	0.50		ppbv	10.0	81%	70 - 130	6	30	11F0857		06-23-2011
1,2-Dichloroethane	7.35	0.50		ppbv	10.0	74%	70 - 130	8	30	11F0857		06-23-2011
1,2-Dichloropropane	7.28	0.50		ppbv	10.0	73%	70 - 130	11	30	11F0857		06-23-2011
1,3,5-Trimethylbenzene	9.42	0.50		ppbv	10.0	94%	70 - 130	7	30	11F0857		06-23-2011
1,3-Butadiene	9.94	0.50		ppbv	10.0	99%	70 - 130	14	30	11F0857		06-23-2011
1,3-Dichlorobenzene	7.91	0.50		ppbv	10.0	79%	70 - 130	8	30	11F0857		06-23-2011
1,4-Dichlorobenzene	8.78	0.50		ppbv	10.0	88%	70 - 130	7	30	11F0857		06-23-2011
2,2,4-Trimethylpentane	7.86	0.50		ppbv	10.0	79%	70 - 130	7	30	11F0857		06-23-2011
2-Butanone (MEK)	8.57	1.00		ppbv	10.0	86%	70 - 130	9	30	11F0857		06-23-2011
2-Hexanone	9.27	1.00		ppbv	10.0	93%	70 - 130	12	30	11F0857		06-23-2011
2-Propanol	7.51	2.00		ppbv	10.0	75%	70 - 130	10	30	11F0857		06-23-2011
4-Ethyltoluene	9.29	0.50		ppbv	10.0	93%	70 - 130	7	30	11F0857		06-23-2011
4-Methyl-2-pentanone (MIBK)	8.85	1.00		ppbv	10.0	88%	70 - 130	13	30	11F0857		06-23-2011
Acetone	7.96	5.00		ppbv	10.0	80%	70 - 130	17	30	11F0857		06-23-2011
Allyl Chloride	8.13	0.50		ppbv	10.0	81%	70 - 130	5	30	11F0857		06-23-2011
Benzene	7.74	0.50		ppbv	10.0	77%	70 - 130	7	30	11F0857		06-23-2011
Benzyl Chloride	8.98	2.00		ppbv	10.0	90%	70 - 130	5	30	11F0857		06-23-2011
Bromodichloromethane	7.31	0.50		ppbv	10.0	73%	70 - 130	10	30	11F0857		06-23-2011
Bromoethene(Vinyl Bromide)	9.71	0.50		ppbv	10.0	97%	70 - 130	13	30	11F0857		06-23-2011
Bromoform	7.68	0.50		ppbv	10.0	77%	70 - 130	9	30	11F0857		06-23-2011
Bromomethane	9.91	0.50		ppbv	10.0	99%	70 - 130	15	30	11F0857		06-23-2011
Carbon disulfide	9.91	0.50		ppbv	10.0	99%	70 - 130	12	30	11F0857		06-23-2011
Carbon tetrachloride	9.06	0.50		ppbv	10.0	91%	70 - 130	11	30	11F0857		06-23-2011
Chlorobenzene	7.44	0.50		ppbv	10.0	74%	70 - 130	9	30	11F0857		06-23-2011
Chloroethane	9.48	0.50		ppbv	10.0	95%	70 - 130	12	30	11F0857		06-23-2011
Chloroform	9.09	0.50		ppbv	10.0	91%	70 - 130	6	30	11F0857		06-23-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF1020
Project: Motorola Air
Project Number: Motorola 52

Received: 06/16/11
Reported: 07/15/11 09:50

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11F0857-BSD1												
Chloromethane	10.4	0.50		ppbv	10.0	104%	70 - 130	15	30	11F0857		06-23-2011
cis-1,2-Dichloroethene	7.95	0.50		ppbv	10.0	80%	70 - 130	4	30	11F0857		06-23-2011
cis-1,3-Dichloropropene	7.77	0.50		ppbv	10.0	78%	70 - 130	11	30	11F0857		06-23-2011
Cyclohexane	8.35	0.50		ppbv	10.0	84%	70 - 130	9	30	11F0857		06-23-2011
Dibromochloromethane	7.58	0.50		ppbv	10.0	76%	70 - 130	12	30	11F0857		06-23-2011
Dichlorodifluoromethane	10.5	0.50		ppbv	10.0	105%	70 - 130	15	30	11F0857		06-23-2011
Dichlorotetrafluoroethane(F-114)	10.2	0.50		ppbv	10.0	102%	70 - 130	13	30	11F0857		06-23-2011
Ethyl Acetate	8.35	0.50		ppbv	10.0	84%	70 - 130	10	30	11F0857		06-23-2011
Ethylbenzene	8.63	0.50		ppbv	10.0	86%	70 - 130	8	30	11F0857		06-23-2011
Freon 113	9.35	0.50		ppbv	10.0	94%	70 - 130	10	30	11F0857		06-23-2011
Heptane	7.86	0.50		ppbv	10.0	79%	70 - 130	12	30	11F0857		06-23-2011
Hexachlorobutadiene	7.35	1.00		ppbv	10.0	74%	70 - 130	13	30	11F0857		06-23-2011
Hexane	8.16	0.50		ppbv	10.0	82%	70 - 130	9	30	11F0857		06-23-2011
Isopropylbenzene	9.06	0.50		ppbv	10.0	91%	70 - 130	9	30	11F0857		06-23-2011
m,p-Xylenes	16.6	1.00		ppbv	20.0	83%	70 - 130	9	30	11F0857		06-23-2011
Methylene Chloride	9.67	0.50		ppbv	10.0	97%	70 - 130	9	30	11F0857		06-23-2011
Methyl-tert-butyl Ether (MTBE)	7.49	1.00		ppbv	10.0	75%	70 - 130	7	30	11F0857		06-23-2011
Naphthalene	8.25	5.00		ppbv	10.0	82%	70 - 130	11	30	11F0857		06-23-2011
n-Butylbenzene	10.6	0.50		ppbv	10.0	106%	70 - 130	5	30	11F0857		06-23-2011
n-Nonane (C9)	8.09	0.50		ppbv	10.0	81%	70 - 130	7	30	11F0857		06-23-2011
n-Octane (C8)	8.59	0.50		ppbv	10.0	86%	70 - 130	10	30	11F0857		06-23-2011
n-Propylbenzene	9.16	0.50		ppbv	10.0	92%	70 - 130	8	30	11F0857		06-23-2011
o-Xylene	7.75	0.50		ppbv	10.0	78%	70 - 130	9	30	11F0857		06-23-2011
Propene	8.79	0.50		ppbv	10.0	88%	70 - 130	11	30	11F0857		06-23-2011
sec-Butylbenzene	9.63	0.50		ppbv	10.0	96%	70 - 130	7	30	11F0857		06-23-2011
Styrene	8.89	0.50		ppbv	10.0	89%	70 - 130	8	30	11F0857		06-23-2011
tert-Butylbenzene	9.86	0.50		ppbv	10.0	99%	70 - 130	7	30	11F0857		06-23-2011
Tetrachloroethene	7.76	0.50		ppbv	10.0	78%	70 - 130	9	30	11F0857		06-23-2011
Tetrahydrofuran	8.68	2.00		ppbv	10.0	87%	70 - 130	10	30	11F0857		06-23-2011
Toluene	8.39	0.50		ppbv	10.0	84%	70 - 130	12	30	11F0857		06-23-2011
trans-1,2-Dichloroethene	7.83	0.50		ppbv	10.0	78%	70 - 130	8	30	11F0857		06-23-2011
trans-1,3-Dichloropropene	8.19	0.50		ppbv	10.0	82%	70 - 130	11	30	11F0857		06-23-2011
Trichloroethene	9.35	0.50		ppbv	10.0	94%	70 - 130	7	30	11F0857		06-23-2011
Trichlorofluoromethane	10.0	0.50		ppbv	10.0	100%	70 - 130	13	30	11F0857		06-23-2011
Vinyl Acetate	8.52	0.50		ppbv	10.0	85%	70 - 130	10	30	11F0857		06-23-2011
Vinyl chloride	9.98	0.50		ppbv	10.0	100%	70 - 130	16	30	11F0857		06-23-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130			11F0857		06-23-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF1020	Received: 06/16/11
6155 E. Indian School Rd., Suite 200			Reported: 07/15/11 09:50
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF1020	Received: 06/16/11
6155 E. Indian School Rd., Suite 200			Reported: 07/15/11 09:50
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.

ADDITIONAL COMMENTS

PUF 1020

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	**Project Manager:** Todd Cruse		Page 1 of 1 COCs
Company: Clear Creek Associates	**Phone:** 480-659-7131	**Samples Collected By:** Russell Granfors	
Address: 6155 E. Indian School	**Email:** tcruse@clearcreekassociates.com		
City/State/Zip Scottsdale, AZ 85251	**Site Contact:**		
Phone: 480-659-7131	**LAB Contact:**		
FAX: 480-659-7143	**Analysis Turnaround Time**		
Project Name: Motorola 52	Standard (Specify)		
Site:	Rush (Specify) 48hr		
PO #			

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	*Sample Type*	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV60-15	6/16/11	1105	1107	0.4, 1.0, 6.0		1453	X										—	01
SV60-5	6/16/11	1114	1116	0.4, 1.0, 6.0		E20416	X										—	02
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by: Russell Granfors	Date/Time: 6/16/11 1145	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by: 06-16-11	Date/Time: 06-16-11 11:45	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

H&P Mobile Geochemistry Inc.

11 July 2011

Mr. Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: CC062911-12
Client Project: 005086

Dear Mr. Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 29-Jun-11 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC062911-12
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
11-Jul-11 09:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV64-15	E106096-01	Vapor	28-Jun-11	29-Jun-11
SV64-5	E106096-02	Vapor	28-Jun-11	29-Jun-11
SV67-15	E106096-03	Vapor	28-Jun-11	29-Jun-11
SV67-5	E106096-04	Vapor	28-Jun-11	29-Jun-11
SV72-15	E106096-05	Vapor	28-Jun-11	29-Jun-11
SV72-5	E106096-06	Vapor	28-Jun-11	29-Jun-11
SV71-15	E106096-07	Vapor	28-Jun-11	29-Jun-11
SV71-5	E106096-08	Vapor	28-Jun-11	29-Jun-11
SV60-15	E106096-09	Vapor	28-Jun-11	29-Jun-11
SV60-5	E106096-10	Vapor	28-Jun-11	29-Jun-11

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV64-15 (E106096-01) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**6.3**	5.7	"	"	"	"	"	"	
Acetone	**68**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**7.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**7.6**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.8**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.1**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**14**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV64-15 (E106096-01) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Styrene	ND	4.3	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.2**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SV64-5 (E106096-02) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**200**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV64-5 (E106096-02) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Benzene	**8.5**	3.2	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**4.3**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**9.2**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.6**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV67-15 (E106096-03) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**34**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**43**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**7.7**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**12**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**12**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**16**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**11**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV67-15 (E106096-03) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Styrene	ND	4.3	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**10**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SV67-5 (E106096-04) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**23**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**78**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**9.5**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**19**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV67-5 (E106096-04) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Benzene	**16**	3.2	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**13**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**12**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**12**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**6.3**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**18**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-15 (E106096-05) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	500	ug/l	50	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	250	ug/m3	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	350	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	790	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
Acetone	ND	1200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**2800**	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
Carbon disulfide	ND	320	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	**5900**	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**71000**	590	"	108	"	"	"	"	
1,2-Dichloropropane	ND	470	"	50	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	410	"	"	"	"	"	"	
Dibromochloromethane	ND	430	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Chlorobenzene	ND	230	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-15 (E106096-05) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Styrene	ND	220	ug/m3	50	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
o-Xylene	ND	220	"	"	"	"	"	"	
Bromoform	ND	520	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
4-Ethyltoluene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Hexachlorobutadiene	ND	540	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*		*77-127*	"	"	"	"	
SV72-5 (E106096-06) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	500	ug/l	50	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	250	ug/m3	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	350	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	790	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
Acetone	ND	1200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**1200**	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
Carbon disulfide	ND	320	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	**3600**	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-5 (E106096-06) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Benzene	ND	160	ug/m3	50	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**39000**	270	"	"	"	"	"	"	
1,2-Dichloropropane	ND	470	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	410	"	"	"	"	"	"	
Dibromochloromethane	ND	430	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Chlorobenzene	ND	230	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
Styrene	ND	220	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
Bromoform	ND	520	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
4-Ethyltoluene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Hexachlorobutadiene	ND	540	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-15 (E106096-07) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	50	ug/l	5	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	25	ug/m3	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	35	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	79	"	"	"	"	"	"	
Chloroethane	ND	40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
Acetone	ND	120	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
Carbon disulfide	ND	32	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	21	"	"	"	"	"	"	
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	20	"	"	"	"	"	"	
Chloroform	**53**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**23**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**3500**	27	"	"	"	"	"	"	
1,2-Dichloropropane	ND	47	"	"	"	"	"	"	
Bromodichloromethane	**39**	34	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	41	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	23	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	41	"	"	"	"	"	"	
Dibromochloromethane	ND	43	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	39	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-15 (E106096-07) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Styrene	ND	22	ug/m3	5	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
o-Xylene	ND	22	"	"	"	"	"	"	
Bromoform	ND	52	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
4-Ethyltoluene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**26**	25	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	61	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.6 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*		*77-127*	"	"	"	"	
SV71-5 (E106096-08) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	20	ug/l	2	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	10	ug/m3	"	"	"	"	"	
Chloromethane	ND	4.2	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	14	"	"	"	"	"	"	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	31	"	"	"	"	"	"	
Chloroethane	ND	16	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	11	"	"	"	"	"	"	
Acetone	ND	48	"	"	"	"	"	"	
1,1-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**22**	15	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	7.0	"	"	"	"	"	"	
Carbon disulfide	ND	13	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	16	"	"	"	"	"	"	
1,1-Dichloroethane	ND	8.2	"	"	"	"	"	"	
2-Butanone (MEK)	ND	60	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Chloroform	**37**	9.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	8.2	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-5 (E106096-08) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Benzene	**14**	6.5	ug/m3	2	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	11	"	"	"	"	"	"	
1,2-Dichloropropane	ND	19	"	"	"	"	"	"	
Bromodichloromethane	ND	14	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	17	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
Toluene	**12**	7.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	11	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	17	"	"	"	"	"	"	
Dibromochloromethane	ND	17	"	"	"	"	"	"	
Tetrachloroethene	ND	14	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	16	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
Chlorobenzene	ND	9.3	"	"	"	"	"	"	
Ethylbenzene	ND	8.8	"	"	"	"	"	"	
m,p-Xylene	ND	18	"	"	"	"	"	"	
Styrene	ND	8.6	"	"	"	"	"	"	
o-Xylene	ND	8.8	"	"	"	"	"	"	
Bromoform	ND	21	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
4-Ethyltoluene	ND	10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**12**	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	"	"	"	"	"	"	
Hexachlorobutadiene	ND	22	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV60-15 (E106096-09) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**36**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**33**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**13**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**150**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**14**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**190**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**19**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**10**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**12**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV60-15 (E106096-09) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Styrene	ND	4.3	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
o-Xylene	**6.0**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**16**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SV60-5 (E106096-10) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**76**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**15**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**25**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**34**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**96**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV60-5 (E106096-10) Vapor Sampled: 28-Jun-11 Received: 29-Jun-11									
Benzene	**17**	3.2	ug/m3	1	EG10504	01-Jul-11	05-Jul-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**68**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**30**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.5**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**16**	4.7	"	"	"	"	"	"	
Ethylbenzene	**8.1**	4.4	"	"	"	"	"	"	
m,p-Xylene	**17**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**12**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**5.1**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**7.4**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**31**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG10504 - TO-15										
Blank (EG10504-BLK1)				Prepared & Analyzed: 05-Jul-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.7	"							
Acetone	ND	24	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG10504 - TO-15										
Blank (EG10504-BLK1)				Prepared & Analyzed: 05-Jul-11						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3							
Chlorobenzene	ND	4.7	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	7.5	"							
Hexachlorobutadiene	ND	11	"							
Surrogate: 1,2-Dichloroethane-d4	*206*		*"*	*214*		*96.1*	*76-134*			
Surrogate: Toluene-d8	*205*		*"*	*207*		*98.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*362*		*"*	*365*		*99.2*	*77-127*			
LCS (EG10504-BS1)				Prepared & Analyzed: 05-Jul-11						
Dichlorodifluoromethane (F12)	92	5.0	ug/m3	101		90.8	65-135			
Vinyl chloride	46	2.6	"	52.0		88.2	65-135			
Chloroethane	58	8.0	"	53.6		108	65-135			
Trichlorofluoromethane (F11)	100	5.7	"	113		91.2	65-135			
1,1-Dichloroethene	73	4.0	"	80.8		89.9	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155		95.7	65-135			
Methylene chloride (Dichloromethane)	62	3.5	"	70.8		87.1	65-135			
trans-1,2-Dichloroethene	73	8.0	"	80.8		90.8	65-135			
1,1-Dichloroethane	78	4.1	"	82.4		94.8	65-135			
cis-1,2-Dichloroethene	68	4.0	"	80.0		85.0	65-135			
Chloroform	97	5.0	"	99.2		97.7	65-135			
1,1,1-Trichloroethane	100	5.5	"	111		94.0	65-135			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC062911-12
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG10504 - TO-15										
LCS (EG10504-BS1)				Prepared & Analyzed: 05-Jul-11						
1,2-Dichloroethane (EDC)	75	4.1	ug/m3	82.4		91.2	65-135			
Benzene	62	3.2	"	64.8		95.4	65-135			
Carbon tetrachloride	120	6.4	"	128		95.6	65-135			
Trichloroethene	110	5.5	"	110		99.1	65-135			
Toluene	70	3.8	"	76.8		91.2	65-135			
1,1,2-Trichloroethane	110	5.5	"	111		99.8	65-135			
Tetrachloroethene	130	6.9	"	138		92.7	65-135			
1,1,1,2-Tetrachloroethane	160	7.0	"	140		115	65-135			
Ethylbenzene	94	4.4	"	88.4		106	65-135			
m,p-Xylene	200	8.8	"	177		112	65-135			
o-Xylene	100	4.4	"	88.4		114	65-135			
1,1,2,2-Tetrachloroethane	180	7.0	"	140		131	65-135			
Surrogate: 1,2-Dichloroethane-d4	*201*		*"*	*214*		*93.9*	*76-134*			
Surrogate: Toluene-d8	*204*		*"*	*207*		*98.7*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*381*		*"*	*365*		*105*	*77-127*			
LCS Dup (EG10504-BSD1)				Prepared & Analyzed: 05-Jul-11						
Dichlorodifluoromethane (F12)	96	5.0	ug/m3	101		95.5	65-135	5.08	35	
Vinyl chloride	51	2.6	"	52.0		98.6	65-135	11.1	35	
Chloroethane	59	8.0	"	53.6		109	65-135	1.75	35	
Trichlorofluoromethane (F11)	100	5.7	"	113		90.2	65-135	1.11	35	
1,1-Dichloroethene	74	4.0	"	80.8		91.7	65-135	1.97	35	
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155		96.2	65-135	0.518	35	
Methylene chloride (Dichloromethane)	62	3.5	"	70.8		87.3	65-135	0.285	35	
trans-1,2-Dichloroethene	77	8.0	"	80.8		95.5	65-135	5.02	35	
1,1-Dichloroethane	81	4.1	"	82.4		98.9	65-135	4.22	35	
cis-1,2-Dichloroethene	70	4.0	"	80.0		87.1	65-135	2.45	35	
Chloroform	96	5.0	"	99.2		97.1	65-135	0.666	35	
1,1,1-Trichloroethane	100	5.5	"	111		93.8	65-135	0.159	35	
1,2-Dichloroethane (EDC)	76	4.1	"	82.4		92.5	65-135	1.36	35	
Benzene	63	3.2	"	64.8		96.6	65-135	1.25	35	
Carbon tetrachloride	120	6.4	"	128		97.2	65-135	1.65	35	
Trichloroethene	110	5.5	"	110		98.5	65-135	0.654	35	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG10504 - TO-15										
LCS Dup (EG10504-BSD1)				Prepared & Analyzed: 05-Jul-11						
Toluene	71	3.8	ug/m3	76.8		92.4	65-135	1.25	35	
1,1,2-Trichloroethane	110	5.5	"	111		96.0	65-135	3.90	35	
Tetrachloroethene	130	6.9	"	138		90.6	65-135	2.33	35	
1,1,1,2-Tetrachloroethane	160	7.0	"	140		113	65-135	1.71	35	
Ethylbenzene	94	4.4	"	88.4		106	65-135	0.141	35	
m,p-Xylene	200	8.8	"	177		111	65-135	0.649	35	
o-Xylene	100	4.4	"	88.4		115	65-135	0.261	35	
1,1,2,2-Tetrachloroethane	180	7.0	"	140		130	65-135	0.458	35	
Surrogate: 1,2-Dichloroethane-d4	*206*		*"*	*214*		*96.2*	*76-134*			
Surrogate: Toluene-d8	*203*		*"*	*207*		*97.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*381*		*"*	*365*		*104*	*77-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC062911-12	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	11-Jul-11 09:21

Notes and Definitions

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

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 6/28/11
H&P Project # CC062911-12
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd.
Scottsdale, AZ 85251
Email: terusc@clearcreekassociates.com

Collector: Russell Granfors
Client Project # 005086
Location:
Phone: 480-659-7131 Fax: 480-659-7143

Page: 1 of 1
Project Contact: Todd Cruse
Turn around time: 5 day

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☑ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions: LCC = IPA
UPS TRACK# 1Z 93T T61 84 4042 3585

Lab Work Order # E106096

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☒ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	VAC #	Sumo canister #
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SV64-15		492	0910	6/28/11	vapor	200ml Sumo	1					X								X			-5.0	257
SV64-5		203	0923				1					X								X			-5.1	215
SV67-15		492	0943				1					X								X			-6.1	336
SV67-5		203	0957				1					X								X			-5.9	157
SV72-15		492	1020				1					X								X			-5.1	008
SV72-5		203	1038				1					X								X			-6.5	318
SV71-15		492	1102				1					X								X			-4.2	354
SV71-5		203	1121				1					X								X			-4.7	089
SV60-15		492	1153				1					X								X			-5.7	059
SV60-5		203	1203				1					X								X			-5.8	011

Relinquished by: (Signature) Russell Granfors	(company) CCA	Received by: (Signature) SMartin	(company) H&P	Date: 6/29/11	Time: 1015
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

H&P Mobile Geochemistry Inc.

10 August 2011

Mr. Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: CC072911-11
Client Project: 005086

Dear Mr. Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 29-Jul-11 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC072911-11
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
10-Aug-11 09:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV73-15	E108004-01	Vapor	28-Jul-11	29-Jul-11
SV73-5	E108004-02	Vapor	28-Jul-11	29-Jul-11
SV74-15	E108004-03	Vapor	28-Jul-11	29-Jul-11
SV74-5	E108004-04	Vapor	28-Jul-11	29-Jul-11
SV75-15	E108004-05	Vapor	28-Jul-11	29-Jul-11
SV75-15 dup	E108004-06	Vapor	28-Jul-11	29-Jul-11
SV75-5	E108004-07	Vapor	28-Jul-11	29-Jul-11
SV76-15	E108004-08	Vapor	28-Jul-11	29-Jul-11
SV76-5	E108004-09	Vapor	28-Jul-11	29-Jul-11
SV77-15	E108004-10	Vapor	28-Jul-11	29-Jul-11
SV77-5	E108004-11	Vapor	28-Jul-11	29-Jul-11
SV78-15	E108004-12	Vapor	28-Jul-11	29-Jul-11
SV78-5	E108004-13	Vapor	28-Jul-11	29-Jul-11
SV79-15	E108004-14	Vapor	28-Jul-11	29-Jul-11
SV79-5	E108004-15	Vapor	28-Jul-11	29-Jul-11

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108004-01) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**79**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**22**	5.7	"	"	"	"	"	"	
Acetone	**130**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**13**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**52**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**67**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**33**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**23**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**19**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.4**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108004-01) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	**4.8**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.6**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*		*77-127*	"	"	"	"	
SV73-5 (E108004-02) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**90**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**14**	5.7	"	"	"	"	"	"	
Acetone	**480**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**44**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**150**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**31**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-5 (E108004-02) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**3.6**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**14**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**16**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**20**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**46**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**20**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.9**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**14**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**4.8**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**30**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC072911-11
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-15 (E108004-03) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**310**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**17**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**4.2**	3.5	"	"	"	"	"	"	
Carbon disulfide	**28**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**84**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**45**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.9**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**89**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**11**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**31**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**21**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**7.4**	4.4	"	"	"	"	"	"	
m,p-Xylene	**28**	8.8	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-15 (E108004-03) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	**9.9**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**7.2**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**19**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.9 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*77-127*	"	"	"	"	
SV74-5 (E108004-04) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**230**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**6.0**	3.5	"	"	"	"	"	"	
Carbon disulfide	**31**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**60**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**13**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-5 (E108004-04) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	ND	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**10**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**10**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**11**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**26**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.0**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**11**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**7.7**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**21**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108004-05) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**200**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**100**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**110**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**98**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**9.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**55**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**8.8**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**66**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**11**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.5**	4.4	"	"	"	"	"	"	
m,p-Xylene	**20**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108004-05) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	**7.5**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**16**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**23**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*		*77-127*	"	"	"	"	
SV75-15 dup (E108004-06) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**260**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**170**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**120**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**110**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 dup (E108004-06) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**9.4**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**56**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**11**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**75**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**15**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**8.1**	4.4	"	"	"	"	"	"	
m,p-Xylene	**28**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**8.9**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**5.9**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**17**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**29**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108004-07) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**89**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**5.2**	3.5	"	"	"	"	"	"	
Carbon disulfide	**12**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**46**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**21**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.0**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**27**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108004-07) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**11**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.9 %*		*77-127*	"	"	"	"	
SV76-15 (E108004-08) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**1500**	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**110**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**52**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108004-08) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**11**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**44**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.0**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**40**	4.4	"	"	"	"	"	"	
m,p-Xylene	**120**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**30**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**17**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**22**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**79**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-5 (E108004-09) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**140**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**8.1**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**37**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**16**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**18**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.8**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**13**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-5 (E108004-09) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**15**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.9 %*		*77-127*	"	"	"	"	
SV77-15 (E108004-10) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**210**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**59**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**91**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**300**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-15 (E108004-10) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**27**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**20**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**14**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**48**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**41**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**14**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.5**	4.4	"	"	"	"	"	"	
m,p-Xylene	**20**	8.8	"	"	"	"	"	"	
Styrene	**4.9**	4.3	"	"	"	"	"	"	
o-Xylene	**7.9**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**15**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-5 (E108004-11) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	**20**	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**1100**	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**4.3**	3.5	"	"	"	"	"	"	
Carbon disulfide	**70**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**260**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**120**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**24**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**32**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**36**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**50**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**110**	8.3	"	"	"	"	"	"	
Dibromochloromethane	**13**	8.6	"	"	"	"	"	"	
Tetrachloroethene	**11**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**12**	4.7	"	"	"	"	"	"	
Ethylbenzene	**13**	4.4	"	"	"	"	"	"	
m,p-Xylene	**49**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-5 (E108004-11) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	**7.8**	4.3	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
o-Xylene	**16**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**12**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**38**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**72**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*		*77-127*	"	"	"	"	
SV78-15 (E108004-12) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**180**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**15**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**65**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**120**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-15 (E108004-12) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**36**	3.2	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**15**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**20**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**22**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.3**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.7**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-5 (E108004-13) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**4400**	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**47**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**710**	30	"	"	"	"	"	"	E
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**48**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**15**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**17**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**53**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**22**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**180**	8.3	"	"	"	"	"	"	
Dibromochloromethane	**16**	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**8.4**	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.6**	4.4	"	"	"	"	"	"	
m,p-Xylene	**27**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-5 (E108004-13) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	**5.7**	4.3	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
o-Xylene	**9.2**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**7.9**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**38**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**100**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.0 %*		*77-127*	"	"	"	"	
SV79-15 (E108004-14) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**220**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**34**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**28**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-15 (E108004-14) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**33**	3.2	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**8.8**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**20**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**8.9**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.4**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**9.2**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.3 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108004-15) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**470**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**7.4**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**89**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**16**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**21**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**6.0**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**14**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**9.6**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108004-15) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.5**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**18**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10412 - TO-15										
Blank (EH10412-BLK1)				Prepared & Analyzed: 05-Aug-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.7	"							
Acetone	ND	24	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC072911-11
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10412 - TO-15										
Blank (EH10412-BLK1)				Prepared & Analyzed: 05-Aug-11						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3							
Chlorobenzene	ND	4.7	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	7.5	"							
Hexachlorobutadiene	ND	11	"							
Surrogate: 1,2-Dichloroethane-d4	*187*		*"*	*214*		*87.1*	*76-134*			
Surrogate: Toluene-d8	*203*		*"*	*207*		*98.0*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*352*		*"*	*365*		*96.6*	*77-127*			
LCS (EH10412-BS1)				Prepared & Analyzed: 05-Aug-11						
Dichlorodifluoromethane (F12)	88	5.0	ug/m3	101		87.6	65-135			
Vinyl chloride	52	2.6	"	52.0		100	65-135			
Chloroethane	52	8.0	"	53.6		97.4	65-135			
Trichlorofluoromethane (F11)	100	5.7	"	113		89.6	65-135			
1,1-Dichloroethene	74	4.0	"	80.8		91.6	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		105	65-135			
Methylene chloride (Dichloromethane)	73	3.5	"	70.8		103	65-135			
trans-1,2-Dichloroethene	78	8.0	"	80.8		96.3	65-135			
1,1-Dichloroethane	88	4.1	"	82.4		107	65-135			
cis-1,2-Dichloroethene	74	4.0	"	80.0		91.9	65-135			
Chloroform	100	5.0	"	99.2		102	65-135			
1,1,1-Trichloroethane	100	5.5	"	111		93.6	65-135			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC072911-11
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10412 - TO-15										
LCS (EH10412-BS1)				Prepared & Analyzed: 05-Aug-11						
1,2-Dichloroethane (EDC)	76	4.1	ug/m3	82.4		92.2	65-135			
Benzene	75	3.2	"	64.8		115	65-135			
Carbon tetrachloride	130	6.4	"	128		97.9	65-135			
Trichloroethene	120	5.5	"	110		106	65-135			
Toluene	75	3.8	"	76.8		98.0	65-135			
1,1,2-Trichloroethane	120	5.5	"	111		103	65-135			
Tetrachloroethene	140	6.9	"	138		102	65-135			
1,1,1,2-Tetrachloroethane	170	7.0	"	140		120	65-135			
Ethylbenzene	100	4.4	"	88.4		118	65-135			
m,p-Xylene	220	8.8	"	177		122	65-135			
o-Xylene	110	4.4	"	88.4		122	65-135			
1,1,2,2-Tetrachloroethane	190	7.0	"	140		136	65-135			QL-1H
Surrogate: 1,2-Dichloroethane-d4	*188*		*"*	*214*		*87.5*	*76-134*			
Surrogate: Toluene-d8	*195*		*"*	*207*		*94.0*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*362*		*"*	*365*		*99.3*	*77-127*			
LCS Dup (EH10412-BSD1)				Prepared & Analyzed: 05-Aug-11						
Dichlorodifluoromethane (F12)	92	5.0	ug/m3	101		91.1	65-135	3.85	35	
Vinyl chloride	57	2.6	"	52.0		109	65-135	8.54	35	
Chloroethane	57	8.0	"	53.6		107	65-135	9.33	35	
Trichlorofluoromethane (F11)	100	5.7	"	113		89.1	65-135	0.507	35	
1,1-Dichloroethene	73	4.0	"	80.8		90.4	65-135	1.31	35	
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		105	65-135	0.0950	35	
Methylene chloride (Dichloromethane)	71	3.5	"	70.8		101	65-135	1.96	35	
trans-1,2-Dichloroethene	79	8.0	"	80.8		98.1	65-135	1.79	35	
1,1-Dichloroethane	91	4.1	"	82.4		111	65-135	4.03	35	
cis-1,2-Dichloroethene	74	4.0	"	80.0		92.3	65-135	0.436	35	
Chloroform	99	5.0	"	99.2		99.7	65-135	2.42	35	
1,1,1-Trichloroethane	100	5.5	"	111		93.8	65-135	0.212	35	
1,2-Dichloroethane (EDC)	75	4.1	"	82.4		91.1	65-135	1.20	35	
Benzene	73	3.2	"	64.8		113	65-135	1.70	35	
Carbon tetrachloride	120	6.4	"	128		95.0	65-135	3.00	35	
Trichloroethene	110	5.5	"	110		101	65-135	4.28	35	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10412 - TO-15										
LCS Dup (EH10412-BSD1)				Prepared & Analyzed: 05-Aug-11						
Toluene	76	3.8	ug/m3	76.8		99.5	65-135	1.46	35	
1,1,2-Trichloroethane	120	5.5	"	111		105	65-135	1.62	35	
Tetrachloroethene	150	6.9	"	138		105	65-135	3.07	35	
1,1,1,2-Tetrachloroethane	180	7.0	"	140		126	65-135	4.54	35	
Ethylbenzene	110	4.4	"	88.4		119	65-135	0.800	35	
m,p-Xylene	220	8.8	"	177		123	65-135	0.793	35	
o-Xylene	110	4.4	"	88.4		125	65-135	2.49	35	
1,1,2,2-Tetrachloroethane	200	7.0	"	140		142	65-135	4.38	35	QL-1H
Surrogate: 1,2-Dichloroethane-d4	*188*		*"*	*214*		*87.9*	*76-134*			
Surrogate: Toluene-d8	*198*		*"*	*207*		*95.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*372*		*"*	*365*		*102*	*77-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered baised high.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 7/28/11
(LA) H&P Project # CC072911-11
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E Indian School Rd Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com
Collector: Riley Trickey
Client Project # 005086
Location:
Phone: 480-659-7131 Fax: 480-659-7143
Page: 1 of 2
Project Contact: Todd Cruse
Turn around time: 5 day

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☑ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions:
UPS TRACK# 1Z 93T T61 84 4241 1727

Lab Work Order # E108004

Sample Name	Field Point Name	Purge Vol mL	Time	Date	Sample Type	Container Type (400mL)	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☒ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	SUMMA #	VAC#
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SV73-15		453	0832	7/28/11	Soil Vapor	400mL Summa	1					X								X			199	-12.1
SV73-5		357	0851				1					X								X			121	-10.6
SV74-15		429	0919				1					X								X			034	-11.6
SV74-5		357	0932				1					X								X			302	-14.9
SV75-15		453	1002				1					X								X			004	-10.5
SV75-15 dup		—	1007				1					X								X			036	-10.7
SV75-5		357	1022				1					X								X			147	-17.1
SV76-15		453	1053				1					X								X			208	-11.5
SV76-5		357	1107				1					X								X			368	-11.4
SV77-15		453	1130	↓	↓	↓	1					X								X			244	-12.3

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
	CCA		H&P	7/28/11	1005
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 7/28/11
H&P Project #: CC072911-1C
Outside Lab:

Client: Clear Creek Associates
Address: 6155 E. Indian School Rd. Suite 200, Scottsdale, AZ 85251
Email: tcruse@clearcreekassociates.com

Collector: Riley Trickey
Client Project #: 005086
Location:
Phone: 480-659-7131 Fax: 480-659-7143

Page: 2 of 2
Project Contact: Todd Cruse
Turn around time: 5 day

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☑ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions:

Lab Work Order #: E108004

Sample Name	Field Point Name	Purge Vol mL	Time	Date	Sample Type	Container Type (400mL (5x))	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☒ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER IPA	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	# SUMMA	VA c#
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SV77-5		357	1139	7/28/11	Soil Vapor	400mL SUMMA	1					X								X			238-12.1
SV78-15		466	1233	↓	↓	↓	1					X								X			126-10.7
SV78-5		357	1244				1					X								X			133-11.0
SV79-15		466	1311				1					X								X			039-10.9
SV79-5		357	1319				1					X								X			352-11.0

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	CCA	[signature]	H&P	7/29/11	1005
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

H&P Mobile Geochemistry Inc.

16 August 2011

Mr. Todd Cruse
Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

H&P Project: CC080211-10
Client Project: 005086

Dear Mr. Todd Cruse:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 02-Aug-11 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J. Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
1855 Coronado Avenue, Signal Hill, California 90755
www.HandPmg.com ┌ 1-800-834-9888

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV72-15	E108019-01	Vapor	01-Aug-11	02-Aug-11
SV72-5	E108019-02	Vapor	01-Aug-11	02-Aug-11
SV77-15	E108019-03	Vapor	01-Aug-11	02-Aug-11
SV77-5	E108019-04	Vapor	01-Aug-11	02-Aug-11
SV76-15	E108019-05	Vapor	01-Aug-11	02-Aug-11
SV76-5	E108019-06	Vapor	01-Aug-11	02-Aug-11
SV75-15	E108019-07	Vapor	01-Aug-11	02-Aug-11
SV75-5	E108019-08	Vapor	01-Aug-11	02-Aug-11
SV74-15	E108019-09	Vapor	01-Aug-11	02-Aug-11
SV74-5	E108019-10	Vapor	01-Aug-11	02-Aug-11
SV73-15	E108019-11	Vapor	01-Aug-11	02-Aug-11
SV73-5	E108019-12	Vapor	01-Aug-11	02-Aug-11
SV78-15	E108019-13	Vapor	01-Aug-11	02-Aug-11
SV78-5	E108019-14	Vapor	01-Aug-11	02-Aug-11
SV79-15	E108019-15	Vapor	01-Aug-11	02-Aug-11
SV79-15 dup	E108019-16	Vapor	01-Aug-11	02-Aug-11
SV79-5	E108019-17	Vapor	01-Aug-11	02-Aug-11
SV71-15	E108019-18	Vapor	01-Aug-11	02-Aug-11
SV71-5	E108019-19	Vapor	01-Aug-11	02-Aug-11

On August 8, 2011, the 2-butanone percent recovery exceeded the method criteria in the daily calibration verification; the 2-butanone results may be biased high.

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-15 (E108019-01) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	50	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	250	ug/m3	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	350	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	790	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
Acetone	ND	1200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**1800**	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
Carbon disulfide	ND	320	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	**3800**	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**43000**	270	"	"	"	"	"	"	
1,2-Dichloropropane	ND	470	"	"	"	"	"	"	
Bromodichloromethane	**490**	340	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	410	"	"	"	"	"	"	
Dibromochloromethane	ND	430	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Chlorobenzene	**680**	230	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-15 (E108019-01) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	220	ug/m3	50	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	ND	220	"	"	"	"	"	"	
Bromoform	ND	520	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
4-Ethyltoluene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Hexachlorobutadiene	ND	540	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.3 %*		*77-127*	"	"	"	"	
SV72-5 (E108019-02) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	50	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	250	ug/m3	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	350	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	790	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
Acetone	ND	1200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**840**	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
Carbon disulfide	ND	320	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
2-Butanone (MEK)	ND	1500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	**2900**	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV72-5 (E108019-02) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	ND	160	ug/m3	50	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**29000**	270	"	"	"	"	"	"	
1,2-Dichloropropane	ND	470	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
Toluene	**610**	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	410	"	"	"	"	"	"	
Dibromochloromethane	ND	430	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Chlorobenzene	ND	230	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
Styrene	ND	220	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
Bromoform	ND	520	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
4-Ethyltoluene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	610	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Hexachlorobutadiene	ND	540	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.6 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-15 (E108019-03) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	ND	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**110**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**290**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**5.2**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**6.0**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**26**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**10**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**28**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**21**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**10**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.3**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**14**	8.8	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-15 (E108019-03) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	**5.4**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**41**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*		*77-127*	"	"	"	"	
SV77-5 (E108019-04) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**60**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**51**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**75**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-5 (E108019-04) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**6.3**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**13**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**18**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	**8.8**	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.2**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**10**	4.7	"	"	"	"	"	"	
Ethylbenzene	**5.3**	4.4	"	"	"	"	"	"	
m,p-Xylene	**19**	8.8	"	"	"	"	"	"	
Styrene	**5.6**	4.3	"	"	"	"	"	"	
o-Xylene	**10**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**8.0**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**21**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**58**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108019-05) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**88**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**79**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**54**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**3.5**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**36**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.9**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.2**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**8.8**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108019-05) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	**6.3**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.7**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**19**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*77-127*	"	"	"	"	
SV76-5 (E108019-06) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**89**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**12**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-5 (E108019-06) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**4.9**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**23**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.4**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**7.8**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**5.2**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.7 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108019-07) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**54**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**94**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**53**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**100**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.6**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**77**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**8.6**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**57**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**9.5**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.5**	8.8	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108019-07) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.2**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**15**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*77-127*	"	"	"	"	
SV75-5 (E108019-08) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**79**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**6.9**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**42**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**32**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108019-08) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**7.7**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**36**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**11**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.3**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-15 (E108019-09) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**56**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**17**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**15**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**45**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**16**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**160**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**7.5**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.2**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**12**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-15 (E108019-09) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.1**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*		*77-127*	"	"	"	"	
SV74-5 (E108019-10) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**74**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**9.1**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**13**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**8.9**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV74-5 (E108019-10) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**7.5**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**17**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**4.7**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**12**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**12**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108019-11) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**83**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**21**	5.7	"	"	"	"	"	"	
Acetone	**58**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**17**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**44**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**66**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**20**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**25**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**18**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**13**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108019-11) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.0**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.9 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*		*77-127*	"	"	"	"	
SV73-5 (E108019-12) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**89**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**14**	5.7	"	"	"	"	"	"	
Acetone	**97**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**54**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**19**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-5 (E108019-12) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**19**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**110**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**7.8**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**18**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**5.6**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**10**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**6.0**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**29**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-15 (E108019-13) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**39**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**20**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**130**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**8.0**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**18**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.2**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**6.9**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.9**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-15 (E108019-13) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.7 %*		*77-127*	"	"	"	"	
SV78-5 (E108019-14) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**58**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**35**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**43**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-5 (E108019-14) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**23**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**39**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**7.7**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**11**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**8.6**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**16**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.3 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-15 (E108019-15) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**46**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**28**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**16**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**4.9**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**8.5**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-15 (E108019-15) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**7.7**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.7 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.3 %*		*77-127*	"	"	"	"	
SV79-15 dup (E108019-16) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**49**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**30**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-15 dup (E108019-16) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**13**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**4.4**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**8.3**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.7**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.6 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108019-17) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**55**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**15**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**23**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**74**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**6.1**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**11**	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.0**	4.4	"	"	"	"	"	"	
m,p-Xylene	**18**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108019-17) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	**7.8**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.0**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**24**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.7 %*		*77-127*	"	"	"	"	
SV71-15 (E108019-18) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**12**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**110**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**35**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**15**	3.5	"	"	"	"	"	"	
Carbon disulfide	**6.3**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**41**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**51**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**13**	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-15 (E108019-18) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**23**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**2700**	55	"	10	"	"	15-Aug-11	"	
1,2-Dichloropropane	ND	9.4	"	1	"	"	09-Aug-11	"	
Bromodichloromethane	**32**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**57**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**24**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**18**	4.7	"	"	"	"	"	"	
Ethylbenzene	**11**	4.4	"	"	"	"	"	"	
m,p-Xylene	**27**	8.8	"	"	"	"	"	"	
Styrene	**8.1**	4.3	"	"	"	"	"	"	
o-Xylene	**14**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**11**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-5 (E108019-19) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	2	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	10	ug/m3	"	"	"	"	"	
Chloromethane	ND	4.2	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	14	"	"	"	"	"	"	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	31	"	"	"	"	"	"	
Chloroethane	ND	16	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	11	"	"	"	"	"	"	
Acetone	ND	48	"	"	"	"	"	"	
1,1-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**23**	15	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	7.0	"	"	"	"	"	"	
Carbon disulfide	ND	13	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	16	"	"	"	"	"	"	
1,1-Dichloroethane	ND	8.2	"	"	"	"	"	"	
2-Butanone (MEK)	ND	60	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
Chloroform	**28**	9.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	8.2	"	"	"	"	"	"	
Benzene	**29**	6.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1600**	11	"	"	"	"	"	"	
1,2-Dichloropropane	ND	19	"	"	"	"	"	"	
Bromodichloromethane	**17**	14	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	17	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	9.2	"	"	"	"	"	"	
Toluene	ND	7.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	11	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	17	"	"	"	"	"	"	
Dibromochloromethane	ND	17	"	"	"	"	"	"	
Tetrachloroethene	**14**	14	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	16	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
Chlorobenzene	**18**	9.3	"	"	"	"	"	"	
Ethylbenzene	ND	8.8	"	"	"	"	"	"	
m,p-Xylene	ND	18	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-5 (E108019-19) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	8.6	ug/m3	2	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	ND	8.8	"	"	"	"	"	"	
Bromoform	ND	21	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	14	"	"	"	"	"	"	
4-Ethyltoluene	ND	10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	24	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	"	"	"	"	"	"	
Hexachlorobutadiene	ND	22	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.7 %*		*77-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
Blank (EH10807-BLK1)				Prepared & Analyzed: 08-Aug-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.7	"							
Acetone	ND	24	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
Blank (EH10807-BLK1)				Prepared & Analyzed: 08-Aug-11						
1,1,1,2-Tetrachloroethane	ND	7.0	ug/m3							
Chlorobenzene	ND	4.7	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	7.5	"							
Hexachlorobutadiene	ND	11	"							
Surrogate: 1,2-Dichloroethane-d4	*181*		*"*	*214*		*84.5*	*76-134*			
Surrogate: Toluene-d8	*210*		*"*	*207*		*101*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*346*		*"*	*365*		*95.0*	*77-127*			
Blank (EH10807-BLK2)				Prepared & Analyzed: 08-Aug-11						
Isopropyl alcohol (LCC)	ND	10	ug/l							
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.7	"							
Acetone	ND	24	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC080211-10
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
Blank (EH10807-BLK2)				Prepared & Analyzed: 08-Aug-11						
Carbon disulfide	ND	6.3	ug/m3							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							
Chlorobenzene	ND	4.7	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
Blank (EH10807-BLK2)				Prepared & Analyzed: 08-Aug-11						
1,4-Dichlorobenzene	ND	12	ug/m3							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	7.5	"							
Hexachlorobutadiene	ND	11	"							
Surrogate: 1,2-Dichloroethane-d4	*186*		*"*	*214*		*86.8*	*76-134*			
Surrogate: Toluene-d8	*208*		*"*	*207*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*321*		*"*	*365*		*88.1*	*77-127*			
LCS (EH10807-BS1)				Prepared & Analyzed: 08-Aug-11						
Dichlorodifluoromethane (F12)	87	5.0	ug/m3	101		86.2	65-135			
Vinyl chloride	57	2.6	"	52.0		110	65-135			
Chloroethane	59	8.0	"	53.6		111	65-135			
Trichlorofluoromethane (F11)	96	5.7	"	113		84.8	65-135			
1,1-Dichloroethene	83	4.0	"	80.8		103	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		104	65-135			
Methylene chloride (Dichloromethane)	78	3.5	"	70.8		110	65-135			
trans-1,2-Dichloroethene	90	8.0	"	80.8		112	65-135			
1,1-Dichloroethane	99	4.1	"	82.4		120	65-135			
cis-1,2-Dichloroethene	86	4.0	"	80.0		108	65-135			
Chloroform	99	5.0	"	99.2		99.9	65-135			
1,1,1-Trichloroethane	100	5.5	"	111		93.7	65-135			
1,2-Dichloroethane (EDC)	75	4.1	"	82.4		91.0	65-135			
Benzene	81	3.2	"	64.8		126	65-135			
Carbon tetrachloride	120	6.4	"	128		92.6	65-135			
Trichloroethene	120	5.5	"	110		106	65-135			
Toluene	82	3.8	"	76.8		106	65-135			
1,1,2-Trichloroethane	120	5.5	"	111		109	65-135			
Tetrachloroethene	150	6.9	"	138		107	65-135			
1,1,1,2-Tetrachloroethane	170	7.0	"	140		121	65-135			
Ethylbenzene	110	4.4	"	88.4		126	65-135			
m,p-Xylene	230	8.8	"	177		129	65-135			
o-Xylene	110	4.4	"	88.4		128	65-135			
1,1,2,2-Tetrachloroethane	200	7.0	"	140		141	65-135			QL-1H

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
LCS (EH10807-BS1)				Prepared & Analyzed: 08-Aug-11						
Surrogate: 1,2-Dichloroethane-d4	*179*		*ug/m3*	*214*		*83.4*	*76-134*			
Surrogate: Toluene-d8	*206*		*"*	*207*		*99.4*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*349*		*"*	*365*		*95.8*	*77-127*			
LCS (EH10807-BS2)				Prepared & Analyzed: 08-Aug-11						
Dichlorodifluoromethane (F12)	87	5.0	ug/m3	101		86.1	65-135			
Vinyl chloride	57	2.6	"	52.0		110	65-135			
Chloroethane	57	8.0	"	53.6		107	65-135			
Trichlorofluoromethane (F11)	97	5.7	"	113		85.3	65-135			
1,1-Dichloroethene	82	4.0	"	80.8		101	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		105	65-135			
Methylene chloride (Dichloromethane)	75	3.5	"	70.8		106	65-135			
trans-1,2-Dichloroethene	90	8.0	"	80.8		112	65-135			
1,1-Dichloroethane	96	4.1	"	82.4		116	65-135			
cis-1,2-Dichloroethene	85	4.0	"	80.0		107	65-135			
Chloroform	98	5.0	"	99.2		99.2	65-135			
1,1,1-Trichloroethane	100	5.5	"	111		93.2	65-135			
1,2-Dichloroethane (EDC)	74	4.1	"	82.4		89.9	65-135			
Benzene	80	3.2	"	64.8		123	65-135			
Carbon tetrachloride	120	6.4	"	128		92.7	65-135			
Trichloroethene	110	5.5	"	110		101	65-135			
Toluene	79	3.8	"	76.8		103	65-135			
1,1,2-Trichloroethane	120	5.5	"	111		109	65-135			
Tetrachloroethene	150	6.9	"	138		106	65-135			
1,1,1,2-Tetrachloroethane	160	7.0	"	140		117	65-135			
Ethylbenzene	110	4.4	"	88.4		124	65-135			
m,p-Xylene	220	8.8	"	177		124	65-135			
o-Xylene	110	4.4	"	88.4		123	65-135			
1,1,2,2-Tetrachloroethane	190	7.0	"	140		135	65-135			QL-1H
Surrogate: 1,2-Dichloroethane-d4	*179*		*"*	*214*		*83.5*	*76-134*			
Surrogate: Toluene-d8	*205*		*"*	*207*		*99.1*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*356*		*"*	*365*		*97.8*	*77-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC080211-10
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
LCS Dup (EH10807-BSD1)				Prepared & Analyzed: 08-Aug-11						
Dichlorodifluoromethane (F12)	89	5.0	ug/m3	101		88.0	65-135	2.06	35	
Vinyl chloride	59	2.6	"	52.0		113	65-135	2.31	35	
Chloroethane	59	8.0	"	53.6		110	65-135	0.998	35	
Trichlorofluoromethane (F11)	100	5.7	"	113		89.6	65-135	5.49	35	
1,1-Dichloroethene	84	4.0	"	80.8		104	65-135	1.01	35	
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		105	65-135	1.19	35	
Methylene chloride (Dichloromethane)	78	3.5	"	70.8		110	65-135	0.0902	35	
trans-1,2-Dichloroethene	93	8.0	"	80.8		116	65-135	3.63	35	
1,1-Dichloroethane	99	4.1	"	82.4		120	65-135	0.0833	35	
cis-1,2-Dichloroethene	85	4.0	"	80.0		107	65-135	0.937	35	
Chloroform	100	5.0	"	99.2		103	65-135	3.15	35	
1,1,1-Trichloroethane	100	5.5	"	111		94.2	65-135	0.528	35	
1,2-Dichloroethane (EDC)	75	4.1	"	82.4		90.9	65-135	0.110	35	
Benzene	80	3.2	"	64.8		124	65-135	1.56	35	
Carbon tetrachloride	120	6.4	"	128		94.6	65-135	2.08	35	
Trichloroethene	120	5.5	"	110		105	65-135	0.283	35	
Toluene	81	3.8	"	76.8		106	65-135	0.328	35	
1,1,2-Trichloroethane	120	5.5	"	111		109	65-135	0.364	35	
Tetrachloroethene	150	6.9	"	138		106	65-135	0.977	35	
1,1,1,2-Tetrachloroethane	160	7.0	"	140		115	65-135	5.27	35	
Ethylbenzene	110	4.4	"	88.4		124	65-135	1.76	35	
m,p-Xylene	220	8.8	"	177		123	65-135	4.45	35	
o-Xylene	110	4.4	"	88.4		122	65-135	4.42	35	
1,1,2,2-Tetrachloroethane	190	7.0	"	140		132	65-135	6.69	35	
Surrogate: 1,2-Dichloroethane-d4	*182*		*"*	*214*		*85.0*	*76-134*			
Surrogate: Toluene-d8	*208*		*"*	*207*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*349*		*"*	*365*		*95.8*	*77-127*			

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: CC080211-10
Project Number: 005086
Project Manager: Mr. Todd Cruse

Reported:
16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH10807 - TO-15										
LCS Dup (EH10807-BSD2)				Prepared & Analyzed: 08-Aug-11						
Dichlorodifluoromethane (F12)	84	5.0	ug/m3	101		83.7	65-135	2.81	35	
Vinyl chloride	56	2.6	"	52.0		108	65-135	1.72	35	
Chloroethane	56	8.0	"	53.6		104	65-135	2.27	35	
Trichlorofluoromethane (F11)	95	5.7	"	113		83.7	65-135	1.91	35	
1,1-Dichloroethene	79	4.0	"	80.8		97.6	65-135	3.75	35	
1,1,2-Trichlorotrifluoroethane (F113)	160	7.7	"	155		102	65-135	2.78	35	
Methylene chloride (Dichloromethane)	75	3.5	"	70.8		106	65-135	0.421	35	
trans-1,2-Dichloroethene	87	8.0	"	80.8		108	65-135	3.21	35	
1,1-Dichloroethane	95	4.1	"	82.4		115	65-135	0.904	35	
cis-1,2-Dichloroethene	86	4.0	"	80.0		107	65-135	0.517	35	
Chloroform	98	5.0	"	99.2		99.0	65-135	0.151	35	
1,1,1-Trichloroethane	100	5.5	"	111		91.5	65-135	1.83	35	
1,2-Dichloroethane (EDC)	74	4.1	"	82.4		90.1	65-135	0.221	35	
Benzene	79	3.2	"	64.8		121	65-135	1.59	35	
Carbon tetrachloride	120	6.4	"	128		93.5	65-135	0.856	35	
Trichloroethene	110	5.5	"	110		104	65-135	2.23	35	
Toluene	80	3.8	"	76.8		104	65-135	0.529	35	
1,1,2-Trichloroethane	120	5.5	"	111		106	65-135	2.78	35	
Tetrachloroethene	150	6.9	"	138		106	65-135	0.140	35	
1,1,1,2-Tetrachloroethane	160	7.0	"	140		116	65-135	0.470	35	
Ethylbenzene	110	4.4	"	88.4		125	65-135	0.801	35	
m,p-Xylene	220	8.8	"	177		125	65-135	0.621	35	
o-Xylene	110	4.4	"	88.4		124	65-135	0.282	35	
1,1,2,2-Tetrachloroethane	190	7.0	"	140		139	65-135	2.76	35	QL-1H
Surrogate: 1,2-Dichloroethane-d4	*182*		"	*214*		*84.7*	*76-134*			
Surrogate: Toluene-d8	*205*		"	*207*		*98.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*360*		"	*365*		*98.8*	*77-127*			

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Notes and Definitions

QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered baised high.
C-06	The daily calibration for this compound was greater than the desired +/- % deviation; therefore, this concentration is an estimated value.
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

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 8/1/11
H&P Project # CCOF0211-10
Outside Lab:

Client: Clear Creek Associates
Collector: Riley Trickey
Page: 1 of 2
Address: 6155 E Indian School Rd., Suite 200
Scottsdale, AZ 85251
Client Project # 005086
Project Contact: Todd Cruse
Location:
Email: tcruse@clearcreekassociates.com
Phone: (480) 659-7131
Fax: (480) 659-7143
Turn around time: 5 days

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☑ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions:
UPS TRACK# 1Z 93T T6 184 4209 2537

Lab Work Order # E108019

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☒ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER Isopropyl	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	Summa #	VA ch #
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SV72-15		492mL	0816	8/1/11	Soil Vapor	400mL Summa	1					X								X			030	-5.9
SV72-5		203mL	0830				1					X								X			136	-6.2
SV77-15		492mL	0846				1					X								X			283	-5.7
SV77-5		203mL	0900				1					X								X			293	-5.9
SV76-15		492mL	0932				1					X								X			240	-5.6
SV76-5		203mL	0943				1					X								X			318	-6.1
SV75-15		492mL	1007				1					X								X			082	-6.7
SV75-5		203mL	1021				1					X								X			008	-6.8
SV74-15		492mL	1041				1					X								X			202	-6.7
SV74-5		203mL	1051	↓	↓	↓	1					X								X			243	-6.5

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
[signature]	CCA	[signature]	H&P	8/2/11	1015
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☒ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 8/1/11
H&P Project # CC0F0211-10
Outside Lab:

Client: Clear Creek Associates
Collector: Riley Trickey
Page: 2 of 2
Address: 6155 E. Indian School Rd., Suite 200, Scottsdale, AZ 85251
Client Project # 005086
Project Contact: Todd Cruse
Location:
Email: tcruse@clearcreekassociates.com
Phone: (480) 659-7131 Fax: (480) 659-7143 Turn around time: 5 days

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☑ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions:

Lab Work Order # E108019

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☒ TO-15	VOCs: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☒ OTHER Isopropyl	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	SUMMA #	VAC #
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SV73-15		492mL	1116	8/1/11	Soil Vapor	400mL SUMMA	1					X								X			067-7.3
SV73-5		203mL	1129				1					X								X			057-6.8
SV78-15		492mL	1150				1					X								X			017-5.4
SV78-5		203mL	1159				1					X								X			104-6.7
SV79-15		492mL	1228				1					X								X			215-6.7
SV79-15 dup		—	1233				1					X								X			029-6.2
SV79-5		203mL	1247				1					X								X			207-6.5
SV71-15		492mL	1422				1					X								X			135-6.5
SV71-5		203mL	1430	↓	↓	↓	1					X								X			059-7.8

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Riley Trickey	CCA		H&P	8/2/11	1015
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

April 28, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUD1604
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	04/27/11
Final Report:	04/28/11 16:36

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-Vinyl Acetate, Benzyl Chloride, 1,2,4-Trichlorobenzene and Hexachlorobutadiene exceeded the laboratory historical acceptance limits in the second source in the daily analytical run. The second source is not method required but AZ required.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV04-15	PUD1604-01	04/27/11	S/N 1451 0.4L Canister
Equipment Blank	PUD1604-02	04/27/11	S/N 1441 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

ANALYTICAL REPORT

Volatile Organic Compounds by EPA TO-15

Sample ID: PUD1604-01 (SV04-15) — **Sampling Time: min** — **Sampled: 04/27/11 11:29**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		10	4/27/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		10	4/27/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		10	4/27/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		10	4/27/2011	BB	EPA TO15
1,1-Dichloroethene	<5.0	5.0	<19.8	19.8		10	4/27/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<20	20	<148	148	L3,N1	10	4/27/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	4/27/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		10	4/27/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	4/27/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		10	4/27/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		10	4/27/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	4/27/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		10	4/27/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	4/27/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	4/27/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		10	4/27/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	4/27/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0	L3	10	4/27/2011	BB	EPA TO15
2-Propanol	<20	20	<49.2	49.2		10	4/27/2011	BB	EPA TO15
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		10	4/27/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0		10	4/27/2011	BB	EPA TO15
Acetone	<50	50	<119	119		10	4/27/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		10	4/27/2011	BB	EPA TO15
Benzene	<5.0	5.0	<16.0	16.0		10	4/27/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	L3,N1	10	4/27/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		10	4/27/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		10	4/27/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		10	4/27/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		10	4/27/2011	BB	EPA TO15
Carbon disulfide	<5.0	5.0	<15.6	15.6		10	4/27/2011	BB	EPA TO15
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		10	4/27/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		10	4/27/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		10	4/27/2011	BB	EPA TO15
Chloroform	**7.3**	**5.0**	**36**	**24.4**		**10**	**4/27/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		10	4/27/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	4/27/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	4/27/2011	BB	EPA TO15
Cyclohexane	<5.0	5.0	<17.2	17.2		10	4/27/2011	BB	EPA TO15
Dibromochloromethane	<5.0	5.0	<42.6	42.6		10	4/27/2011	BB	EPA TO15
Dichlorodifluoromethane	**46**	**5.0**	**230**	**24.7**		**10**	**4/27/2011**	**BB**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		10	4/27/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0		10	4/27/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		10	4/27/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

Volatile Organic Compounds by EPA TO-15

Sample ID: PUD1604-01 (SV04-15) - cont. — **Sampling Time: min** — **Sampled: 04/27/11 11:29**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	<5.0	5.0	<38.3	38.3		10	4/27/2011	BB	EPA TO15
Heptane	<5.0	5.0	<20.5	20.5		10	4/27/2011	BB	EPA TO15
Hexachlorobutadiene	<10	10	<107	107	V1,L3,N1	10	4/27/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		10	4/27/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		10	4/27/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	4/27/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		10	4/27/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	4/27/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262	V1,L3	10	4/27/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4	V1,L3	10	4/27/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		10	4/27/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		10	4/27/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		10	4/27/2011	BB	EPA TO15
o-Xylene	<5.0	5.0	<21.7	21.7		10	4/27/2011	BB	EPA TO15
Propene	<5.0	5.0	<8.61	8.61		10	4/27/2011	BB	EPA TO15
sec-Butylbenzene	<5.0	5.0	<27.4	27.4		10	4/27/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		10	4/27/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		10	4/27/2011	BB	EPA TO15
Tetrachloroethene	**63**	**5.0**	**430**	**33.9**		**10**	**4/27/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0		10	4/27/2011	BB	EPA TO15
Toluene	<5.0	5.0	<18.8	18.8		10	4/27/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	4/27/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	4/27/2011	BB	EPA TO15
Trichloroethene	**270**	**5.0**	**1500**	**26.9**		**10**	**4/27/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<5.0	5.0	<28.1	28.1		10	4/27/2011	BB	EPA TO15
Vinyl Acetate	<5.0	5.0	<17.6	17.6	N1	10	4/27/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		10	4/27/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

Volatile Organic Compounds by EPA TO-15

Sample ID: PUD1604-02 (Equipment Blank) — Sampling Time: min — Sampled: 04/27/11 12:04

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<1.0	1.0	<5.46	5.46		2.0	4/27/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<1.0	1.0	<6.87	6.87		2.0	4/27/2011	BB	EPA TO15
1,1,2-Trichloroethane	<1.0	1.0	<5.46	5.46		2.0	4/27/2011	BB	EPA TO15
1,1-Dichloroethane	<1.0	1.0	<4.05	4.05		2.0	4/27/2011	BB	EPA TO15
1,1-Dichloroethene	<1.0	1.0	<3.96	3.96		2.0	4/27/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<4.0	4.0	<29.7	29.7	L3,N1	2.0	4/27/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<1.0	1.0	<4.92	4.92		2.0	4/27/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<1.0	1.0	<7.68	7.68		2.0	4/27/2011	BB	EPA TO15
1,2-Dichlorobenzene	<1.0	1.0	<6.01	6.01		2.0	4/27/2011	BB	EPA TO15
1,2-Dichloroethane	<1.0	1.0	<4.05	4.05		2.0	4/27/2011	BB	EPA TO15
1,2-Dichloropropane	<1.0	1.0	<4.62	4.62		2.0	4/27/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<1.0	1.0	<4.92	4.92		2.0	4/27/2011	BB	EPA TO15
1,3-Butadiene	<1.0	1.0	<2.21	2.21		2.0	4/27/2011	BB	EPA TO15
1,3-Dichlorobenzene	<1.0	1.0	<6.01	6.01		2.0	4/27/2011	BB	EPA TO15
1,4-Dichlorobenzene	<1.0	1.0	<6.01	6.01		2.0	4/27/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<1.0	1.0	<4.67	4.67		2.0	4/27/2011	BB	EPA TO15
2-Butanone (MEK)	<2.0	2.0	<5.90	5.90		2.0	4/27/2011	BB	EPA TO15
2-Hexanone	<2.0	2.0	<8.19	8.19	L3	2.0	4/27/2011	BB	EPA TO15
2-Propanol	<4.0	4.0	<9.83	9.83		2.0	4/27/2011	BB	EPA TO15
4-Ethyltoluene	<1.0	1.0	<4.92	4.92		2.0	4/27/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<2.0	2.0	<8.19	8.19		2.0	4/27/2011	BB	EPA TO15
Acetone	<10	10	<23.8	23.8		2.0	4/27/2011	BB	EPA TO15
Allyl Chloride	<1.0	1.0	<3.13	3.13		2.0	4/27/2011	BB	EPA TO15
Benzene	<1.0	1.0	<3.19	3.19		2.0	4/27/2011	BB	EPA TO15
Benzyl Chloride	<4.0	4.0	<20.7	20.7	L3,N1	2.0	4/27/2011	BB	EPA TO15
Bromodichloromethane	<1.0	1.0	<6.70	6.70		2.0	4/27/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<1.0	1.0	<4.38	4.38		2.0	4/27/2011	BB	EPA TO15
Bromoform	<1.0	1.0	<10.3	10.3		2.0	4/27/2011	BB	EPA TO15
Bromomethane	<1.0	1.0	<3.88	3.88		2.0	4/27/2011	BB	EPA TO15
Carbon disulfide	<1.0	1.0	<3.11	3.11		2.0	4/27/2011	BB	EPA TO15
Carbon tetrachloride	<1.0	1.0	<6.29	6.29		2.0	4/27/2011	BB	EPA TO15
Chlorobenzene	<1.0	1.0	<4.60	4.60		2.0	4/27/2011	BB	EPA TO15
Chloroethane	<1.0	1.0	<2.64	2.64		2.0	4/27/2011	BB	EPA TO15
Chloroform	<1.0	1.0	<4.88	4.88		2.0	4/27/2011	BB	EPA TO15
Chloromethane	<1.0	1.0	<2.06	2.06		2.0	4/27/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<1.0	1.0	<3.96	3.96		2.0	4/27/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<1.0	1.0	<4.54	4.54		2.0	4/27/2011	BB	EPA TO15
Cyclohexane	<1.0	1.0	<3.44	3.44		2.0	4/27/2011	BB	EPA TO15
Dibromochloromethane	<1.0	1.0	<8.52	8.52		2.0	4/27/2011	BB	EPA TO15
Dichlorodifluoromethane	<1.0	1.0	<4.95	4.95		2.0	4/27/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<1.0	1.0	<6.99	6.99		2.0	4/27/2011	BB	EPA TO15
Ethyl Acetate	<1.0	1.0	<3.60	3.60		2.0	4/27/2011	BB	EPA TO15
Ethylbenzene	<1.0	1.0	<4.34	4.34		2.0	4/27/2011	BB	EPA TO15
Freon 113	<1.0	1.0	<7.66	7.66		2.0	4/27/2011	BB	EPA TO15
Heptane	<1.0	1.0	<4.10	4.10		2.0	4/27/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

Volatile Organic Compounds by EPA TO-15

Sample ID: PUD1604-02 (Equipment Blank) - cont. — **Sampling Time: min** — **Sampled: 04/27/11 12:04**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Hexachlorobutadiene	<2.0	2.0	<21.3	21.3	V1,L3,N1	2.0	4/27/2011	BB	EPA TO15
Hexane	<1.0	1.0	<3.52	3.52		2.0	4/27/2011	BB	EPA TO15
Isopropylbenzene	<1.0	1.0	<4.92	4.92		2.0	4/27/2011	BB	EPA TO15
m,p-Xylenes	<2.0	2.0	<8.68	8.68		2.0	4/27/2011	BB	EPA TO15
Methylene Chloride	<1.0	1.0	<3.47	3.47		2.0	4/27/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<2.0	2.0	<7.21	7.21		2.0	4/27/2011	BB	EPA TO15
Naphthalene	<10	10	<52.4	52.4	V1,L3	2.0	4/27/2011	BB	EPA TO15
n-Butylbenzene	<1.0	1.0	<5.49	5.49	V1,L3	2.0	4/27/2011	BB	EPA TO15
n-Nonane (C9)	<1.0	1.0	<5.25	5.25		2.0	4/27/2011	BB	EPA TO15
n-Octane (C8)	<1.0	1.0	<4.67	4.67		2.0	4/27/2011	BB	EPA TO15
n-Propylbenzene	<1.0	1.0	<4.92	4.92		2.0	4/27/2011	BB	EPA TO15
o-Xylene	<1.0	1.0	<4.34	4.34		2.0	4/27/2011	BB	EPA TO15
Propene	<1.0	1.0	<1.72	1.72		2.0	4/27/2011	BB	EPA TO15
sec-Butylbenzene	<1.0	1.0	<5.49	5.49		2.0	4/27/2011	BB	EPA TO15
Styrene	<1.0	1.0	<4.26	4.26		2.0	4/27/2011	BB	EPA TO15
tert-Butylbenzene	<1.0	1.0	<5.49	5.49		2.0	4/27/2011	BB	EPA TO15
Tetrachloroethene	<1.0	1.0	<6.78	6.78		2.0	4/27/2011	BB	EPA TO15
Tetrahydrofuran	<4.0	4.0	<11.8	11.8		2.0	4/27/2011	BB	EPA TO15
Toluene	<1.0	1.0	<3.77	3.77		2.0	4/27/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<1.0	1.0	<3.96	3.96		2.0	4/27/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<1.0	1.0	<4.54	4.54		2.0	4/27/2011	BB	EPA TO15
Trichloroethene	<1.0	1.0	<5.37	5.37		2.0	4/27/2011	BB	EPA TO15
Trichlorofluoromethane	<1.0	1.0	<5.62	5.62		2.0	4/27/2011	BB	EPA TO15
Vinyl Acetate	<1.0	1.0	<3.52	3.52	N1	2.0	4/27/2011	BB	EPA TO15
Vinyl chloride	<1.0	1.0	<2.56	2.56		2.0	4/27/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11D1017-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,3-Butadiene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
2-Hexanone	<1.0	1.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
2-Propanol	<2.0	2.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
Acetone	<5.0	5.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
Allyl Chloride	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Benzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Benzyl Chloride	<2.0	2.0	N1	ppbv	11D1017	11D1017-BLK1	04-27-2011
Bromodichloromethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Bromoform	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Bromomethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Carbon disulfide	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Chlorobenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Chloroethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Chloroform	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Chloromethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Cyclohexane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Dibromochloromethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11D1017-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Ethyl Acetate	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Ethylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Freon 113	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Heptane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Hexachlorobutadiene	<1.0	1.0	V1,N1	ppbv	11D1017	11D1017-BLK1	04-27-2011
Hexane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Isopropylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
m,p-Xylenes	<1.0	1.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
Methylene Chloride	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
Naphthalene	<5.0	5.0	V1	ppbv	11D1017	11D1017-BLK1	04-27-2011
n-Butylbenzene	<0.50	0.50	V1	ppbv	11D1017	11D1017-BLK1	04-27-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
n-Octane (C8)	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
n-Propylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
o-Xylene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Propene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Styrene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Tetrachloroethene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11D1017	11D1017-BLK1	04-27-2011
Toluene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Trichloroethene	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Vinyl Acetate	<0.50	0.50	N1	ppbv	11D1017	11D1017-BLK1	04-27-2011
Vinyl chloride	<0.50	0.50		ppbv	11D1017	11D1017-BLK1	04-27-2011
Surrogate: 4-Bromofluorobenzene	96%				11D1017	11D1017-BLK1	04-27-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11D1017-BS1								
1,1,1-Trichloroethane	9.39	0.50		ppbv	94%	70 - 130	11D1017	04-27-2011
1,1,2,2-Tetrachloroethane	10.5	0.50		ppbv	105%	70 - 130	11D1017	04-27-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11D1017-BS1								
1,1,2-Trichloroethane	9.10	0.50		ppbv	91%	70 - 130	11D1017	04-27-2011
1,1-Dichloroethane	9.69	0.50		ppbv	97%	70 - 130	11D1017	04-27-2011
1,1-Dichloroethene	9.96	0.50		ppbv	100%	70 - 130	11D1017	04-27-2011
1,2,4-Trichlorobenzene	12.5	2.00	N1	ppbv	125%	70 - 130	11D1017	04-27-2011
1,2,4-Trimethylbenzene	11.6	0.50		ppbv	116%	70 - 130	11D1017	04-27-2011
1,2-Dibromoethane (EDB)	9.16	0.50		ppbv	92%	70 - 130	11D1017	04-27-2011
1,2-Dichlorobenzene	11.7	0.50		ppbv	117%	70 - 130	11D1017	04-27-2011
1,2-Dichloroethane	9.15	0.50		ppbv	92%	70 - 130	11D1017	04-27-2011
1,2-Dichloropropane	9.11	0.50		ppbv	91%	70 - 130	11D1017	04-27-2011
1,3,5-Trimethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11D1017	04-27-2011
1,3-Butadiene	11.3	0.50		ppbv	113%	70 - 130	11D1017	04-27-2011
1,3-Dichlorobenzene	11.2	0.50		ppbv	112%	70 - 130	11D1017	04-27-2011
1,4-Dichlorobenzene	11.4	0.50		ppbv	114%	70 - 130	11D1017	04-27-2011
2,2,4-Trimethylpentane	10.7	0.50		ppbv	107%	70 - 130	11D1017	04-27-2011
2-Butanone (MEK)	10.2	1.00		ppbv	102%	70 - 130	11D1017	04-27-2011
2-Hexanone	12.9	1.00		ppbv	129%	70 - 130	11D1017	04-27-2011
2-Propanol	11.1	2.00		ppbv	111%	70 - 130	11D1017	04-27-2011
4-Ethyltoluene	11.4	0.50		ppbv	114%	70 - 130	11D1017	04-27-2011
4-Methyl-2-pentanone (MIBK)	11.7	1.00		ppbv	117%	70 - 130	11D1017	04-27-2011
Acetone	8.79	5.00		ppbv	88%	70 - 130	11D1017	04-27-2011
Allyl Chloride	10.7	0.50		ppbv	107%	70 - 130	11D1017	04-27-2011
Benzene	9.17	0.50		ppbv	92%	70 - 130	11D1017	04-27-2011
Benzyl Chloride	12.9	2.00	N1	ppbv	129%	70 - 130	11D1017	04-27-2011
Bromodichloromethane	8.88	0.50		ppbv	89%	70 - 130	11D1017	04-27-2011
Bromoethene(Vinyl Bromide)	10.3	0.50		ppbv	103%	70 - 130	11D1017	04-27-2011
Bromoform	9.71	0.50		ppbv	97%	70 - 130	11D1017	04-27-2011
Bromomethane	9.46	0.50		ppbv	95%	70 - 130	11D1017	04-27-2011
Carbon disulfide	9.00	0.50		ppbv	90%	70 - 130	11D1017	04-27-2011
Carbon tetrachloride	8.89	0.50		ppbv	89%	70 - 130	11D1017	04-27-2011
Chlorobenzene	9.28	0.50		ppbv	93%	70 - 130	11D1017	04-27-2011
Chloroethane	9.98	0.50		ppbv	100%	70 - 130	11D1017	04-27-2011
Chloroform	9.37	0.50		ppbv	94%	70 - 130	11D1017	04-27-2011
Chloromethane	10.1	0.50		ppbv	101%	70 - 130	11D1017	04-27-2011
cis-1,2-Dichloroethene	9.76	0.50		ppbv	98%	70 - 130	11D1017	04-27-2011
cis-1,3-Dichloropropene	9.51	0.50		ppbv	95%	70 - 130	11D1017	04-27-2011
Cyclohexane	10.4	0.50		ppbv	104%	70 - 130	11D1017	04-27-2011
Dibromochloromethane	8.79	0.50		ppbv	88%	70 - 130	11D1017	04-27-2011
Dichlorodifluoromethane	9.25	0.50		ppbv	92%	70 - 130	11D1017	04-27-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11D1017-BS1								
Dichlorotetrafluoroethane(F-114)	9.12	0.50		ppbv	91%	70 - 130	11D1017	04-27-2011
Ethyl Acetate	11.1	0.50		ppbv	111%	70 - 130	11D1017	04-27-2011
Ethylbenzene	9.84	0.50		ppbv	98%	70 - 130	11D1017	04-27-2011
Freon 113	9.11	0.50		ppbv	91%	70 - 130	11D1017	04-27-2011
Heptane	10.3	0.50		ppbv	103%	70 - 130	11D1017	04-27-2011
Hexachlorobutadiene	13.3	1.00	V1,L3,N1	ppbv	133%	70 - 130	11D1017	04-27-2011
Hexane	10.5	0.50		ppbv	105%	70 - 130	11D1017	04-27-2011
Isopropylbenzene	11.2	0.50		ppbv	112%	70 - 130	11D1017	04-27-2011
m,p-Xylenes	19.8	1.00		ppbv	99%	70 - 130	11D1017	04-27-2011
Methylene Chloride	9.45	0.50		ppbv	94%	70 - 130	11D1017	04-27-2011
Methyl-tert-butyl Ether (MTBE)	10.8	1.00		ppbv	108%	70 - 130	11D1017	04-27-2011
Naphthalene	15.6	5.00	V1,L3	ppbv	156%	70 - 130	11D1017	04-27-2011
n-Butylbenzene	13.5	0.50	V1,L3	ppbv	135%	70 - 130	11D1017	04-27-2011
n-Nonane (C9)	10.5	0.50		ppbv	105%	70 - 130	11D1017	04-27-2011
n-Octane (C8)	11.0	0.50		ppbv	110%	70 - 130	11D1017	04-27-2011
n-Propylbenzene	11.6	0.50		ppbv	116%	70 - 130	11D1017	04-27-2011
o-Xylene	9.78	0.50		ppbv	98%	70 - 130	11D1017	04-27-2011
Propene	11.4	0.50		ppbv	114%	70 - 130	11D1017	04-27-2011
sec-Butylbenzene	11.9	0.50		ppbv	119%	70 - 130	11D1017	04-27-2011
Styrene	10.7	0.50		ppbv	107%	70 - 130	11D1017	04-27-2011
tert-Butylbenzene	12.0	0.50		ppbv	120%	70 - 130	11D1017	04-27-2011
Tetrachloroethene	8.86	0.50		ppbv	89%	70 - 130	11D1017	04-27-2011
Tetrahydrofuran	11.5	2.00		ppbv	115%	70 - 130	11D1017	04-27-2011
Toluene	9.54	0.50		ppbv	95%	70 - 130	11D1017	04-27-2011
trans-1,2-Dichloroethene	9.61	0.50		ppbv	96%	70 - 130	11D1017	04-27-2011
trans-1,3-Dichloropropene	9.69	0.50		ppbv	97%	70 - 130	11D1017	04-27-2011
Trichloroethene	9.81	0.50		ppbv	98%	70 - 130	11D1017	04-27-2011
Trichlorofluoromethane	8.92	0.50		ppbv	89%	70 - 130	11D1017	04-27-2011
Vinyl Acetate	10.4	0.50	N1	ppbv	104%	70 - 130	11D1017	04-27-2011
Vinyl chloride	10.2	0.50		ppbv	102%	70 - 130	11D1017	04-27-2011
Surrogate: 4-Bromofluorobenzene	10.6	0.50			106%	70 - 130	11D1017	04-27-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11D1017-BSD1												
1,1,1-Trichloroethane	9.69	0.50		ppbv	10.0	97%	70 - 130	3	30	11D1017		04-27-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11D1017-BSD1												
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	8	30	11D1017		04-27-2011
1,1,2-Trichloroethane	9.52	0.50		ppbv	10.0	95%	70 - 130	5	30	11D1017		04-27-2011
1,1-Dichloroethane	9.77	0.50		ppbv	10.0	98%	70 - 130	0.8	30	11D1017		04-27-2011
1,1-Dichloroethene	10.2	0.50		ppbv	10.0	102%	70 - 130	3	30	11D1017		04-27-2011
1,2,4-Trichlorobenzene	13.1	2.00	L3,N1	ppbv	10.0	131%	70 - 130	5	30	11D1017		04-27-2011
1,2,4-Trimethylbenzene	12.3	0.50		ppbv	10.0	123%	70 - 130	7	30	11D1017		04-27-2011
1,2-Dibromoethane (EDB)	9.62	0.50		ppbv	10.0	96%	70 - 130	5	30	11D1017		04-27-2011
1,2-Dichlorobenzene	12.5	0.50		ppbv	10.0	125%	70 - 130	6	30	11D1017		04-27-2011
1,2-Dichloroethane	9.23	0.50		ppbv	10.0	92%	70 - 130	0.9	30	11D1017		04-27-2011
1,2-Dichloropropane	9.65	0.50		ppbv	10.0	96%	70 - 130	6	30	11D1017		04-27-2011
1,3,5-Trimethylbenzene	11.7	0.50		ppbv	10.0	117%	70 - 130	6	30	11D1017		04-27-2011
1,3-Butadiene	11.6	0.50		ppbv	10.0	116%	70 - 130	3	30	11D1017		04-27-2011
1,3-Dichlorobenzene	11.9	0.50		ppbv	10.0	119%	70 - 130	6	30	11D1017		04-27-2011
1,4-Dichlorobenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	7	30	11D1017		04-27-2011
2,2,4-Trimethylpentane	11.5	0.50		ppbv	10.0	115%	70 - 130	7	30	11D1017		04-27-2011
2-Butanone (MEK)	10.6	1.00		ppbv	10.0	106%	70 - 130	4	30	11D1017		04-27-2011
2-Hexanone	13.9	1.00	L3	ppbv	10.0	139%	70 - 130	7	30	11D1017		04-27-2011
2-Propanol	11.6	2.00		ppbv	10.0	116%	70 - 130	4	30	11D1017		04-27-2011
4-Ethyltoluene	12.2	0.50		ppbv	10.0	122%	70 - 130	7	30	11D1017		04-27-2011
4-Methyl-2-pentanone (MIBK)	12.5	1.00		ppbv	10.0	125%	70 - 130	7	30	11D1017		04-27-2011
Acetone	8.99	5.00		ppbv	10.0	90%	70 - 130	2	30	11D1017		04-27-2011
Allyl Chloride	10.7	0.50		ppbv	10.0	107%	70 - 130	0	30	11D1017		04-27-2011
Benzene	9.21	0.50		ppbv	10.0	92%	70 - 130	0.4	30	11D1017		04-27-2011
Benzyl Chloride	13.8	2.00	L3,N1	ppbv	10.0	138%	70 - 130	7	30	11D1017		04-27-2011
Bromodichloromethane	9.34	0.50		ppbv	10.0	93%	70 - 130	5	30	11D1017		04-27-2011
Bromoethene(Vinyl Bromide)	10.5	0.50		ppbv	10.0	105%	70 - 130	2	30	11D1017		04-27-2011
Bromoform	10.3	0.50		ppbv	10.0	103%	70 - 130	6	30	11D1017		04-27-2011
Bromomethane	9.73	0.50		ppbv	10.0	97%	70 - 130	3	30	11D1017		04-27-2011
Carbon disulfide	9.35	0.50		ppbv	10.0	94%	70 - 130	4	30	11D1017		04-27-2011
Carbon tetrachloride	9.14	0.50		ppbv	10.0	91%	70 - 130	3	30	11D1017		04-27-2011
Chlorobenzene	9.95	0.50		ppbv	10.0	100%	70 - 130	7	30	11D1017		04-27-2011
Chloroethane	9.98	0.50		ppbv	10.0	100%	70 - 130	0	30	11D1017		04-27-2011
Chloroform	9.67	0.50		ppbv	10.0	97%	70 - 130	3	30	11D1017		04-27-2011
Chloromethane	10.5	0.50		ppbv	10.0	105%	70 - 130	4	30	11D1017		04-27-2011
cis-1,2-Dichloroethene	9.96	0.50		ppbv	10.0	100%	70 - 130	2	30	11D1017		04-27-2011
cis-1,3-Dichloropropene	10.0	0.50		ppbv	10.0	100%	70 - 130	5	30	11D1017		04-27-2011
Cyclohexane	10.6	0.50		ppbv	10.0	106%	70 - 130	3	30	11D1017		04-27-2011
Dibromochloromethane	9.27	0.50		ppbv	10.0	93%	70 - 130	5	30	11D1017		04-27-2011
Dichlorodifluoromethane	9.73	0.50		ppbv	10.0	97%	70 - 130	5	30	11D1017		04-27-2011
Dichlorotetrafluoroethane(F-114)	9.34	0.50		ppbv	10.0	93%	70 - 130	2	30	11D1017		04-27-2011
Ethyl Acetate	11.4	0.50		ppbv	10.0	114%	70 - 130	3	30	11D1017		04-27-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUD1604
Project: Motorola Air
Project Number: Motorola 52

Received: 04/27/11
Reported: 04/28/11 16:36

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11D1017-BSD1												
Ethylbenzene	10.7	0.50		ppbv	10.0	107%	70 - 130	8	30	11D1017		04-27-2011
Freon 113	9.34	0.50		ppbv	10.0	93%	70 - 130	2	30	11D1017		04-27-2011
Heptane	11.0	0.50		ppbv	10.0	110%	70 - 130	7	30	11D1017		04-27-2011
Hexachlorobutadiene	13.8	1.00	V1,L3,N	ppbv	10.0	138%	70 - 130	4	30	11D1017		04-27-2011
Hexane	10.8	0.50		ppbv	10.0	108%	70 - 130	3	30	11D1017		04-27-2011
Isopropylbenzene	12.0	0.50		ppbv	10.0	120%	70 - 130	7	30	11D1017		04-27-2011
m,p-Xylenes	21.1	1.00		ppbv	20.0	105%	70 - 130	6	30	11D1017		04-27-2011
Methylene Chloride	9.79	0.50		ppbv	10.0	98%	70 - 130	4	30	11D1017		04-27-2011
Methyl-tert-butyl Ether (MTBE)	11.0	1.00		ppbv	10.0	110%	70 - 130	2	30	11D1017		04-27-2011
Naphthalene	16.3	5.00	V1,L3	ppbv	10.0	163%	70 - 130	5	30	11D1017		04-27-2011
n-Butylbenzene	14.3	0.50	V1,L3	ppbv	10.0	143%	70 - 130	6	30	11D1017		04-27-2011
n-Nonane (C9)	11.2	0.50		ppbv	10.0	112%	70 - 130	7	30	11D1017		04-27-2011
n-Octane (C8)	11.4	0.50		ppbv	10.0	114%	70 - 130	4	30	11D1017		04-27-2011
n-Propylbenzene	12.6	0.50		ppbv	10.0	126%	70 - 130	8	30	11D1017		04-27-2011
o-Xylene	10.5	0.50		ppbv	10.0	105%	70 - 130	7	30	11D1017		04-27-2011
Propene	11.9	0.50		ppbv	10.0	119%	70 - 130	5	30	11D1017		04-27-2011
sec-Butylbenzene	12.8	0.50		ppbv	10.0	128%	70 - 130	7	30	11D1017		04-27-2011
Styrene	11.5	0.50		ppbv	10.0	115%	70 - 130	7	30	11D1017		04-27-2011
tert-Butylbenzene	12.8	0.50		ppbv	10.0	128%	70 - 130	7	30	11D1017		04-27-2011
Tetrachloroethene	9.42	0.50		ppbv	10.0	94%	70 - 130	6	30	11D1017		04-27-2011
Tetrahydrofuran	11.8	2.00		ppbv	10.0	118%	70 - 130	2	30	11D1017		04-27-2011
Toluene	9.96	0.50		ppbv	10.0	100%	70 - 130	4	30	11D1017		04-27-2011
trans-1,2-Dichloroethene	9.84	0.50		ppbv	10.0	98%	70 - 130	2	30	11D1017		04-27-2011
trans-1,3-Dichloropropene	10.2	0.50		ppbv	10.0	102%	70 - 130	5	30	11D1017		04-27-2011
Trichloroethene	10.5	0.50		ppbv	10.0	105%	70 - 130	6	30	11D1017		04-27-2011
Trichlorofluoromethane	9.13	0.50		ppbv	10.0	91%	70 - 130	2	30	11D1017		04-27-2011
Vinyl Acetate	10.8	0.50	N1	ppbv	10.0	108%	70 - 130	4	30	11D1017		04-27-2011
Vinyl chloride	10.6	0.50		ppbv	10.0	106%	70 - 130	4	30	11D1017		04-27-2011
Surrogate: 4-Bromofluorobenzene	10.6	0.50		ppbv	10.0	106%	70 - 130			11D1017		04-27-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUD1604	Received: 04/27/11
6155 E. Indian School Rd., Suite 200			Reported: 04/28/11 16:36
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUD1604	Received: 04/27/11
6155 E. Indian School Rd., Suite 200			Reported: 04/28/11 16:36
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

N1 See case narrative.

V1 Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

PUD1604

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	Project Manager: Todd Cruse	Page 1 of 1 COCs
Company: Clear Creek Associates	Phone: 480-659-7131	Samples Collected By: Russell Granfors
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip: Scottsdale, AZ 85251	Site Contact: Russell Granfors	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify)	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV04-15	4/27/11	1128	1129	0.4, 1.0, 6.0	~~1457~~ RC	1457	X										—	01
Equipment Blank	4/27/11	1203	1204	0.4, 1.0, 6.0		1441	X										—	02
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	20.0°C/Amb
Samples Relinquished by: Russell Granfors	Date/Time: 4/27/11 1427	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 05, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0055
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/02/11
Final Report:	05/05/11 08:33

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The daily second source calibration verification recovered high and outside of acceptance limits for Vinyl Acetate and Benzyl Chloride. All associated samples are non-detect for this compound and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Tina Paulauskas For Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV06-15	PUE0055-01	05/02/11	S/N 1653 0.4L Canister
SV25-15	PUE0055-02	05/02/11	S/N 1444 0.4L Canister
SV26-15	PUE0055-03	05/02/11	S/N 2496 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0055-01 (SV06-15)				Sampling Time: min				Sampled: 05/02/11 10:14	
2-Propanol	**130**	**20**	**320**	**49.2**		**10**	**5/3/2011**	**BB**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*99 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0055-01RE1 (SV06-15) — **Sampling Time: min** — **Sampled: 05/02/11 10:14**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/4/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	5/4/2011	BB	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/4/2011	BB	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/4/2011	BB	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/4/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8		1.0	5/4/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	**0.50**	**0.50**	**2.5**	**2.46**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	5/4/2011	BB	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/4/2011	BB	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/4/2011	BB	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	5/4/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/4/2011	BB	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.11	1.11		1.0	5/4/2011	BB	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/4/2011	BB	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/4/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	5/4/2011	BB	EPA TO15
2-Butanone (MEK)	**5.7**	**1.0**	**17**	**2.95**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.10	4.10		1.0	5/4/2011	BB	EPA TO15
4-Ethyltoluene	<0.50	0.50	<2.46	2.46		1.0	5/4/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	5/4/2011	BB	EPA TO15
Acetone	**40**	**5.0**	**95**	**11.9**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	5/4/2011	BB	EPA TO15
Benzene	**2.2**	**0.50**	**7.0**	**1.60**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4	V1,L3,N1	1.0	5/4/2011	BB	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	5/4/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	5/4/2011	BB	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	5/4/2011	BB	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	5/4/2011	BB	EPA TO15
Carbon disulfide	**2.5**	**0.50**	**7.8**	**1.56**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	5/4/2011	BB	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	5/4/2011	BB	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	5/4/2011	BB	EPA TO15
Chloroform	**8.2**	**0.50**	**40**	**2.44**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	5/4/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/4/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/4/2011	BB	EPA TO15
Cyclohexane	**17**	**0.50**	**59**	**1.72**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	5/4/2011	BB	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.47	2.47		1.0	5/4/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	5/4/2011	BB	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	5/4/2011	BB	EPA TO15
Ethylbenzene	<0.50	0.50	<2.17	2.17		1.0	5/4/2011	BB	EPA TO15
Freon 113	<0.50	0.50	<3.83	3.83		1.0	5/4/2011	BB	EPA TO15
Heptane	**0.78**	**0.50**	**3.2**	**2.05**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7		1.0	5/4/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0055-01RE1 (SV06-15) - cont. — **Sampling Time: min** — **Sampled: 05/02/11 10:14**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Hexane	**1.4**	**0.50**	**4.9**	**1.76**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Isopropylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/4/2011	BB	EPA TO15
m,p-Xylenes	<1.0	1.0	<4.34	4.34		1.0	5/4/2011	BB	EPA TO15
Methylene Chloride	**1.2**	**0.50**	**4.2**	**1.74**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	5/4/2011	BB	EPA TO15
Naphthalene	<5.0	5.0	<26.2	26.2	V1,L3	1.0	5/4/2011	BB	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/4/2011	BB	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.62	2.62		1.0	5/4/2011	BB	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.34	2.34		1.0	5/4/2011	BB	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/4/2011	BB	EPA TO15
o-Xylene	<0.50	0.50	<2.17	2.17		1.0	5/4/2011	BB	EPA TO15
Propene	**8.0**	**0.50**	**14**	**0.861**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/4/2011	BB	EPA TO15
Styrene	<0.50	0.50	<2.13	2.13		1.0	5/4/2011	BB	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/4/2011	BB	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	5/4/2011	BB	EPA TO15
Tetrahydrofuran	**2.7**	**2.0**	**8.0**	**5.90**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Toluene	**1.1**	**0.50**	**4.2**	**1.88**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/4/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/4/2011	BB	EPA TO15
Trichloroethene	**1.0**	**0.50**	**5.4**	**2.69**		**1.0**	**5/4/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.81	2.81		1.0	5/4/2011	BB	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.76	1.76	N1	1.0	5/4/2011	BB	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	5/4/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*102 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0055-02 (SV25-15) — **Sampling Time: min** — **Sampled: 05/02/11 11:30**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/3/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		10	5/3/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/3/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/3/2011	BB	EPA TO15
1,1-Dichloroethene	**8.2**	**5.0**	**33**	**19.8**		**10**	**5/3/2011**	**BB**	**EPA TO15**
1,2,4-Trichlorobenzene	<20	20	<148	148		10	5/3/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/3/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		10	5/3/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/3/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/3/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		10	5/3/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/3/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		10	5/3/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/3/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/3/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		10	5/3/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	5/3/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0		10	5/3/2011	BB	EPA TO15
2-Propanol	<20	20	<49.2	49.2		10	5/3/2011	BB	EPA TO15
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		10	5/3/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0		10	5/3/2011	BB	EPA TO15
Acetone	<50	50	<119	119		10	5/3/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		10	5/3/2011	BB	EPA TO15
Benzene	<5.0	5.0	<16.0	16.0		10	5/3/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	V1,L3,N1	10	5/3/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		10	5/3/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		10	5/3/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		10	5/3/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		10	5/3/2011	BB	EPA TO15
Carbon disulfide	<5.0	5.0	<15.6	15.6		10	5/3/2011	BB	EPA TO15
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		10	5/3/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		10	5/3/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		10	5/3/2011	BB	EPA TO15
Chloroform	**35**	**5.0**	**170**	**24.4**		**10**	**5/3/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		10	5/3/2011	BB	EPA TO15
cis-1,2-Dichloroethene	**17**	**5.0**	**67**	**19.8**		**10**	**5/3/2011**	**BB**	**EPA TO15**
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/3/2011	BB	EPA TO15
Cyclohexane	<5.0	5.0	<17.2	17.2		10	5/3/2011	BB	EPA TO15
Dibromochloromethane	<5.0	5.0	<42.6	42.6		10	5/3/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.0	5.0	<24.7	24.7		10	5/3/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		10	5/3/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0		10	5/3/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		10	5/3/2011	BB	EPA TO15
Freon 113	**6.9**	**5.0**	**53**	**38.3**		**10**	**5/3/2011**	**BB**	**EPA TO15**
Heptane	<5.0	5.0	<20.5	20.5		10	5/3/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0055-02 (SV25-15) - cont. — **Sampling Time: min** — **Sampled: 05/02/11 11:30**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Hexachlorobutadiene	<10	10	<107	107		10	5/3/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		10	5/3/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		10	5/3/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	5/3/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		10	5/3/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	5/3/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262	V1,L3	10	5/3/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/3/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		10	5/3/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		10	5/3/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		10	5/3/2011	BB	EPA TO15
o-Xylene	<5.0	5.0	<21.7	21.7		10	5/3/2011	BB	EPA TO15
Propene	<5.0	5.0	<8.61	8.61		10	5/3/2011	BB	EPA TO15
sec-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/3/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		10	5/3/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/3/2011	BB	EPA TO15
Tetrachloroethene	**9.2**	**5.0**	**62**	**33.9**		**10**	**5/3/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0		10	5/3/2011	BB	EPA TO15
Toluene	<5.0	5.0	<18.8	18.8		10	5/3/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/3/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/3/2011	BB	EPA TO15
Trichlorofluoromethane	<5.0	5.0	<28.1	28.1		10	5/3/2011	BB	EPA TO15
Vinyl Acetate	<5.0	5.0	<17.6	17.6	N1	10	5/3/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		10	5/3/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0055-02RE1 (SV25-15)			**Sampling Time: min**						**Sampled: 05/02/11 11:30**
Trichloroethene	**1900**	**50**	**10000**	**269**		**100**	**5/4/2011**	**BB**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0055-03 (SV26-15)			**Sampling Time: min**					**Sampled: 05/02/11 15:10**	
1,1,1-Trichloroethane	<4.9	4.9	<26.7	26.7		9.9	5/4/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<4.9	4.9	<33.6	33.6		9.9	5/4/2011	BB	EPA TO15
1,1,2-Trichloroethane	<4.9	4.9	<26.7	26.7		9.9	5/4/2011	BB	EPA TO15
1,1-Dichloroethane	<4.9	4.9	<19.8	19.8		9.9	5/4/2011	BB	EPA TO15
1,1-Dichloroethene	<4.9	4.9	<19.4	19.4		9.9	5/4/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<20	20	<148	148		9.9	5/4/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<4.9	4.9	<24.1	24.1		9.9	5/4/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<4.9	4.9	<37.6	37.6		9.9	5/4/2011	BB	EPA TO15
1,2-Dichlorobenzene	<4.9	4.9	<29.5	29.5		9.9	5/4/2011	BB	EPA TO15
1,2-Dichloroethane	<4.9	4.9	<19.8	19.8		9.9	5/4/2011	BB	EPA TO15
1,2-Dichloropropane	<4.9	4.9	<22.6	22.6		9.9	5/4/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<4.9	4.9	<24.1	24.1		9.9	5/4/2011	BB	EPA TO15
1,3-Butadiene	<4.9	4.9	<10.8	10.8		9.9	5/4/2011	BB	EPA TO15
1,3-Dichlorobenzene	<4.9	4.9	<29.5	29.5		9.9	5/4/2011	BB	EPA TO15
1,4-Dichlorobenzene	<4.9	4.9	<29.5	29.5		9.9	5/4/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<4.9	4.9	<22.9	22.9		9.9	5/4/2011	BB	EPA TO15
2-Butanone (MEK)	<9.9	9.9	<29.2	29.2		9.9	5/4/2011	BB	EPA TO15
2-Hexanone	<9.9	9.9	<40.6	40.6		9.9	5/4/2011	BB	EPA TO15
2-Propanol	**49**	**20**	**120**	**49.2**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<4.9	4.9	<24.1	24.1		9.9	5/4/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<9.9	9.9	<40.6	40.6		9.9	5/4/2011	BB	EPA TO15
Acetone	<49	49	<116	116		9.9	5/4/2011	BB	EPA TO15
Allyl Chloride	<4.9	4.9	<15.3	15.3		9.9	5/4/2011	BB	EPA TO15
Benzene	<4.9	4.9	<15.7	15.7		9.9	5/4/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	V1,L3,N1	9.9	5/4/2011	BB	EPA TO15
Bromodichloromethane	<4.9	4.9	<32.8	32.8		9.9	5/4/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<4.9	4.9	<21.4	21.4		9.9	5/4/2011	BB	EPA TO15
Bromoform	<4.9	4.9	<50.6	50.6		9.9	5/4/2011	BB	EPA TO15
Bromomethane	<4.9	4.9	<19.0	19.0		9.9	5/4/2011	BB	EPA TO15
Carbon disulfide	<4.9	4.9	<15.3	15.3		9.9	5/4/2011	BB	EPA TO15
Carbon tetrachloride	<4.9	4.9	<30.8	30.8		9.9	5/4/2011	BB	EPA TO15
Chlorobenzene	<4.9	4.9	<22.6	22.6		9.9	5/4/2011	BB	EPA TO15
Chloroethane	<4.9	4.9	<12.9	12.9		9.9	5/4/2011	BB	EPA TO15
Chloroform	**16**	**4.9**	**78**	**23.9**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
Chloromethane	<4.9	4.9	<10.1	10.1		9.9	5/4/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<4.9	4.9	<19.4	19.4		9.9	5/4/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<4.9	4.9	<22.2	22.2		9.9	5/4/2011	BB	EPA TO15
Cyclohexane	<4.9	4.9	<16.9	16.9		9.9	5/4/2011	BB	EPA TO15
Dibromochloromethane	<4.9	4.9	<41.7	41.7		9.9	5/4/2011	BB	EPA TO15
Dichlorodifluoromethane	<4.9	4.9	<24.2	24.2		9.9	5/4/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<4.9	4.9	<34.3	34.3		9.9	5/4/2011	BB	EPA TO15
Ethyl Acetate	<4.9	4.9	<17.7	17.7		9.9	5/4/2011	BB	EPA TO15
Ethylbenzene	<4.9	4.9	<21.3	21.3		9.9	5/4/2011	BB	EPA TO15
Freon 113	**6.9**	**4.9**	**53**	**37.6**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
Heptane	<4.9	4.9	<20.1	20.1		9.9	5/4/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0055-03 (SV26-15) - cont.			**Sampling Time: min**					**Sampled: 05/02/11 15:10**	
Hexachlorobutadiene	<9.9	9.9	<106	106		9.9	5/4/2011	BB	EPA TO15
Hexane	<4.9	4.9	<17.3	17.3		9.9	5/4/2011	BB	EPA TO15
Isopropylbenzene	<4.9	4.9	<24.1	24.1		9.9	5/4/2011	BB	EPA TO15
m,p-Xylenes	<9.9	9.9	<43.0	43.0		9.9	5/4/2011	BB	EPA TO15
Methylene Chloride	<4.9	4.9	<17.0	17.0		9.9	5/4/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<9.9	9.9	<35.7	35.7		9.9	5/4/2011	BB	EPA TO15
Naphthalene	<49	49	<257	257	V1,L3	9.9	5/4/2011	BB	EPA TO15
n-Butylbenzene	<4.9	4.9	<26.9	26.9		9.9	5/4/2011	BB	EPA TO15
n-Nonane (C9)	<4.9	4.9	<25.7	25.7		9.9	5/4/2011	BB	EPA TO15
n-Octane (C8)	<4.9	4.9	<22.9	22.9		9.9	5/4/2011	BB	EPA TO15
n-Propylbenzene	<4.9	4.9	<24.1	24.1		9.9	5/4/2011	BB	EPA TO15
o-Xylene	<4.9	4.9	<21.3	21.3		9.9	5/4/2011	BB	EPA TO15
Propene	**15**	**4.9**	**26**	**8.43**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<4.9	4.9	<26.9	26.9		9.9	5/4/2011	BB	EPA TO15
Styrene	<4.9	4.9	<20.9	20.9		9.9	5/4/2011	BB	EPA TO15
tert-Butylbenzene	<4.9	4.9	<26.9	26.9		9.9	5/4/2011	BB	EPA TO15
Tetrachloroethene	**9.0**	**4.9**	**61**	**33.2**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0		9.9	5/4/2011	BB	EPA TO15
Toluene	<4.9	4.9	<18.5	18.5		9.9	5/4/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<4.9	4.9	<19.4	19.4		9.9	5/4/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<4.9	4.9	<22.2	22.2		9.9	5/4/2011	BB	EPA TO15
Trichloroethene	**400**	**4.9**	**2200**	**26.3**		**9.9**	**5/4/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<4.9	4.9	<27.5	27.5		9.9	5/4/2011	BB	EPA TO15
Vinyl Acetate	<4.9	4.9	<17.3	17.3	N1	9.9	5/4/2011	BB	EPA TO15
Vinyl chloride	<4.9	4.9	<12.5	12.5		9.9	5/4/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0123-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
2-Hexanone	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
2-Propanol	<2.0	2.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Acetone	<5.0	5.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Benzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Benzyl Chloride	<2.0	2.0	V1,N1	ppbv	11E0123	11E0123-BLK1	05-03-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Bromoform	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Bromomethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Chloroethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Chloroform	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Chloromethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Cyclohexane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0123-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Freon 113	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Heptane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Hexane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Naphthalene	<5.0	5.0	V1	ppbv	11E0123	11E0123-BLK1	05-03-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
o-Xylene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Propene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Styrene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0123	11E0123-BLK1	05-03-2011
Toluene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Trichloroethene	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Vinyl Acetate	<0.50	0.50	N1	ppbv	11E0123	11E0123-BLK1	05-03-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0123	11E0123-BLK1	05-03-2011
Surrogate: 4-Bromofluorobenzene	99%				11E0123	11E0123-BLK1	05-03-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0123-BS1								
1,1,1-Trichloroethane	9.56	0.50		ppbv	96%	70 - 130	11E0123	05-03-2011
1,1,2,2-Tetrachloroethane	10.5	0.50		ppbv	105%	70 - 130	11E0123	05-03-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0123-BS1								
1,1,2-Trichloroethane	8.94	0.50		ppbv	89%	70 - 130	11E0123	05-03-2011
1,1-Dichloroethane	10.0	0.50		ppbv	100%	70 - 130	11E0123	05-03-2011
1,1-Dichloroethene	10.0	0.50		ppbv	100%	70 - 130	11E0123	05-03-2011
1,2,4-Trichlorobenzene	10.7	2.00		ppbv	107%	70 - 130	11E0123	05-03-2011
1,2,4-Trimethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0123	05-03-2011
1,2-Dibromoethane (EDB)	8.93	0.50		ppbv	89%	70 - 130	11E0123	05-03-2011
1,2-Dichlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11E0123	05-03-2011
1,2-Dichloroethane	9.34	0.50		ppbv	93%	70 - 130	11E0123	05-03-2011
1,2-Dichloropropane	9.14	0.50		ppbv	91%	70 - 130	11E0123	05-03-2011
1,3,5-Trimethylbenzene	10.5	0.50		ppbv	105%	70 - 130	11E0123	05-03-2011
1,3-Butadiene	11.3	0.50		ppbv	113%	70 - 130	11E0123	05-03-2011
1,3-Dichlorobenzene	10.4	0.50		ppbv	104%	70 - 130	11E0123	05-03-2011
1,4-Dichlorobenzene	10.6	0.50		ppbv	106%	70 - 130	11E0123	05-03-2011
2,2,4-Trimethylpentane	10.9	0.50		ppbv	109%	70 - 130	11E0123	05-03-2011
2-Butanone (MEK)	10.6	1.00		ppbv	106%	70 - 130	11E0123	05-03-2011
2-Hexanone	12.7	1.00		ppbv	127%	70 - 130	11E0123	05-03-2011
2-Propanol	11.2	2.00		ppbv	112%	70 - 130	11E0123	05-03-2011
4-Ethyltoluene	11.0	0.50		ppbv	110%	70 - 130	11E0123	05-03-2011
4-Methyl-2-pentanone (MIBK)	11.6	1.00		ppbv	116%	70 - 130	11E0123	05-03-2011
Acetone	9.14	5.00		ppbv	91%	70 - 130	11E0123	05-03-2011
Allyl Chloride	11.1	0.50		ppbv	111%	70 - 130	11E0123	05-03-2011
Benzene	9.25	0.50		ppbv	92%	70 - 130	11E0123	05-03-2011
Benzyl Chloride	13.2	2.00	V1,L3,N1	ppbv	132%	70 - 130	11E0123	05-03-2011
Bromodichloromethane	9.19	0.50		ppbv	92%	70 - 130	11E0123	05-03-2011
Bromoethene(Vinyl Bromide)	10.2	0.50		ppbv	102%	70 - 130	11E0123	05-03-2011
Bromoform	9.69	0.50		ppbv	97%	70 - 130	11E0123	05-03-2011
Bromomethane	9.55	0.50		ppbv	96%	70 - 130	11E0123	05-03-2011
Carbon disulfide	9.38	0.50		ppbv	94%	70 - 130	11E0123	05-03-2011
Carbon tetrachloride	9.20	0.50		ppbv	92%	70 - 130	11E0123	05-03-2011
Chlorobenzene	9.11	0.50		ppbv	91%	70 - 130	11E0123	05-03-2011
Chloroethane	10.1	0.50		ppbv	101%	70 - 130	11E0123	05-03-2011
Chloroform	9.69	0.50		ppbv	97%	70 - 130	11E0123	05-03-2011
Chloromethane	10.5	0.50		ppbv	105%	70 - 130	11E0123	05-03-2011
cis-1,2-Dichloroethene	9.94	0.50		ppbv	99%	70 - 130	11E0123	05-03-2011
cis-1,3-Dichloropropene	9.65	0.50		ppbv	96%	70 - 130	11E0123	05-03-2011
Cyclohexane	10.6	0.50		ppbv	106%	70 - 130	11E0123	05-03-2011
Dibromochloromethane	8.88	0.50		ppbv	89%	70 - 130	11E0123	05-03-2011
Dichlorodifluoromethane	9.78	0.50		ppbv	98%	70 - 130	11E0123	05-03-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0123-BS1								
Dichlorotetrafluoroethane(F-114)	9.27	0.50		ppbv	93%	70 - 130	11E0123	05-03-2011
Ethyl Acetate	11.3	0.50		ppbv	113%	70 - 130	11E0123	05-03-2011
Ethylbenzene	9.70	0.50		ppbv	97%	70 - 130	11E0123	05-03-2011
Freon 113	9.22	0.50		ppbv	92%	70 - 130	11E0123	05-03-2011
Heptane	10.3	0.50		ppbv	103%	70 - 130	11E0123	05-03-2011
Hexachlorobutadiene	11.4	1.00		ppbv	114%	70 - 130	11E0123	05-03-2011
Hexane	10.8	0.50		ppbv	108%	70 - 130	11E0123	05-03-2011
Isopropylbenzene	10.7	0.50		ppbv	107%	70 - 130	11E0123	05-03-2011
m,p-Xylenes	19.7	1.00		ppbv	99%	70 - 130	11E0123	05-03-2011
Methylene Chloride	9.84	0.50		ppbv	98%	70 - 130	11E0123	05-03-2011
Methyl-tert-butyl Ether (MTBE)	10.5	1.00		ppbv	105%	70 - 130	11E0123	05-03-2011
Naphthalene	14.0	5.00	V1,L3	ppbv	140%	70 - 130	11E0123	05-03-2011
n-Butylbenzene	12.8	0.50		ppbv	128%	70 - 130	11E0123	05-03-2011
n-Nonane (C9)	10.6	0.50		ppbv	106%	70 - 130	11E0123	05-03-2011
n-Octane (C8)	10.8	0.50		ppbv	108%	70 - 130	11E0123	05-03-2011
n-Propylbenzene	11.2	0.50		ppbv	112%	70 - 130	11E0123	05-03-2011
o-Xylene	9.67	0.50		ppbv	97%	70 - 130	11E0123	05-03-2011
Propene	11.6	0.50		ppbv	116%	70 - 130	11E0123	05-03-2011
sec-Butylbenzene	11.4	0.50		ppbv	114%	70 - 130	11E0123	05-03-2011
Styrene	10.3	0.50		ppbv	103%	70 - 130	11E0123	05-03-2011
tert-Butylbenzene	11.3	0.50		ppbv	113%	70 - 130	11E0123	05-03-2011
Tetrachloroethene	8.41	0.50		ppbv	84%	70 - 130	11E0123	05-03-2011
Tetrahydrofuran	11.7	2.00		ppbv	117%	70 - 130	11E0123	05-03-2011
Toluene	9.35	0.50		ppbv	94%	70 - 130	11E0123	05-03-2011
trans-1,2-Dichloroethene	9.57	0.50		ppbv	96%	70 - 130	11E0123	05-03-2011
trans-1,3-Dichloropropene	9.83	0.50		ppbv	98%	70 - 130	11E0123	05-03-2011
Trichloroethene	9.51	0.50		ppbv	95%	70 - 130	11E0123	05-03-2011
Trichlorofluoromethane	8.86	0.50		ppbv	89%	70 - 130	11E0123	05-03-2011
Vinyl Acetate	10.9	0.50	N1	ppbv	109%	70 - 130	11E0123	05-03-2011
Vinyl chloride	10.5	0.50		ppbv	105%	70 - 130	11E0123	05-03-2011
Surrogate: 4-Bromofluorobenzene	10.4	0.50			104%	70 - 130	11E0123	05-03-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0123-BSD1												
1,1,1-Trichloroethane	9.43	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0123		05-03-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0123-BSD1												
1,1,2,2-Tetrachloroethane	10.4	0.50		ppbv	10.0	104%	70 - 130	0.3	30	11E0123		05-03-2011
1,1,2-Trichloroethane	8.76	0.50		ppbv	10.0	88%	70 - 130	2	30	11E0123		05-03-2011
1,1-Dichloroethane	9.76	0.50		ppbv	10.0	98%	70 - 130	3	30	11E0123		05-03-2011
1,1-Dichloroethene	9.70	0.50		ppbv	10.0	97%	70 - 130	3	30	11E0123		05-03-2011
1,2,4-Trichlorobenzene	10.6	2.00		ppbv	10.0	106%	70 - 130	0.3	30	11E0123		05-03-2011
1,2,4-Trimethylbenzene	10.9	0.50		ppbv	10.0	109%	70 - 130	0.4	30	11E0123		05-03-2011
1,2-Dibromoethane (EDB)	8.62	0.50		ppbv	10.0	86%	70 - 130	4	30	11E0123		05-03-2011
1,2-Dichlorobenzene	10.7	0.50		ppbv	10.0	107%	70 - 130	0.4	30	11E0123		05-03-2011
1,2-Dichloroethane	9.07	0.50		ppbv	10.0	91%	70 - 130	3	30	11E0123		05-03-2011
1,2-Dichloropropane	8.94	0.50		ppbv	10.0	89%	70 - 130	2	30	11E0123		05-03-2011
1,3,5-Trimethylbenzene	10.5	0.50		ppbv	10.0	105%	70 - 130	0.4	30	11E0123		05-03-2011
1,3-Butadiene	11.3	0.50		ppbv	10.0	113%	70 - 130	0.09	30	11E0123		05-03-2011
1,3-Dichlorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130	0	30	11E0123		05-03-2011
1,4-Dichlorobenzene	10.6	0.50		ppbv	10.0	106%	70 - 130	0.4	30	11E0123		05-03-2011
2,2,4-Trimethylpentane	10.7	0.50		ppbv	10.0	107%	70 - 130	1	30	11E0123		05-03-2011
2-Butanone (MEK)	10.3	1.00		ppbv	10.0	103%	70 - 130	2	30	11E0123		05-03-2011
2-Hexanone	12.6	1.00		ppbv	10.0	126%	70 - 130	0.9	30	11E0123		05-03-2011
2-Propanol	11.3	2.00		ppbv	10.0	113%	70 - 130	0.7	30	11E0123		05-03-2011
4-Ethyltoluene	10.9	0.50		ppbv	10.0	109%	70 - 130	0.5	30	11E0123		05-03-2011
4-Methyl-2-pentanone (MIBK)	11.4	1.00		ppbv	10.0	114%	70 - 130	2	30	11E0123		05-03-2011
Acetone	8.80	5.00		ppbv	10.0	88%	70 - 130	4	30	11E0123		05-03-2011
Allyl Chloride	10.8	0.50		ppbv	10.0	108%	70 - 130	2	30	11E0123		05-03-2011
Benzene	9.06	0.50		ppbv	10.0	91%	70 - 130	2	30	11E0123		05-03-2011
Benzyl Chloride	13.2	2.00	V1,L3,N	ppbv	10.0	132%	70 - 130	0.2	30	11E0123		05-03-2011
Bromodichloromethane	8.93	0.50		ppbv	10.0	89%	70 - 130	3	30	11E0123		05-03-2011
Bromoethene(Vinyl Bromide)	9.89	0.50		ppbv	10.0	99%	70 - 130	4	30	11E0123		05-03-2011
Bromoform	9.61	0.50		ppbv	10.0	96%	70 - 130	0.8	30	11E0123		05-03-2011
Bromomethane	9.44	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0123		05-03-2011
Carbon disulfide	9.09	0.50		ppbv	10.0	91%	70 - 130	3	30	11E0123		05-03-2011
Carbon tetrachloride	9.00	0.50		ppbv	10.0	90%	70 - 130	2	30	11E0123		05-03-2011
Chlorobenzene	8.98	0.50		ppbv	10.0	90%	70 - 130	1	30	11E0123		05-03-2011
Chloroethane	9.91	0.50		ppbv	10.0	99%	70 - 130	2	30	11E0123		05-03-2011
Chloroform	9.52	0.50		ppbv	10.0	95%	70 - 130	2	30	11E0123		05-03-2011
Chloromethane	10.6	0.50		ppbv	10.0	106%	70 - 130	1	30	11E0123		05-03-2011
cis-1,2-Dichloroethene	9.79	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0123		05-03-2011
cis-1,3-Dichloropropene	9.38	0.50		ppbv	10.0	94%	70 - 130	3	30	11E0123		05-03-2011
Cyclohexane	10.4	0.50		ppbv	10.0	104%	70 - 130	1	30	11E0123		05-03-2011
Dibromochloromethane	8.66	0.50		ppbv	10.0	87%	70 - 130	3	30	11E0123		05-03-2011
Dichlorodifluoromethane	9.69	0.50		ppbv	10.0	97%	70 - 130	0.9	30	11E0123		05-03-2011
Dichlorotetrafluoroethane(F-114)	9.05	0.50		ppbv	10.0	90%	70 - 130	2	30	11E0123		05-03-2011
Ethyl Acetate	11.2	0.50		ppbv	10.0	112%	70 - 130	1	30	11E0123		05-03-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0055
Project: Motorola Air
Project Number: Motorola 52

Received: 05/02/11
Reported: 05/05/11 08:33

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0123-BSD1												
Ethylbenzene	9.52	0.50		ppbv	10.0	95%	70 - 130	2	30	11E0123		05-03-2011
Freon 113	8.92	0.50		ppbv	10.0	89%	70 - 130	3	30	11E0123		05-03-2011
Heptane	10.3	0.50		ppbv	10.0	103%	70 - 130	0.6	30	11E0123		05-03-2011
Hexachlorobutadiene	11.3	1.00		ppbv	10.0	113%	70 - 130	0.09	30	11E0123		05-03-2011
Hexane	10.6	0.50		ppbv	10.0	106%	70 - 130	1	30	11E0123		05-03-2011
Isopropylbenzene	10.7	0.50		ppbv	10.0	107%	70 - 130	0.3	30	11E0123		05-03-2011
m,p-Xylenes	19.6	1.00		ppbv	20.0	98%	70 - 130	0.4	30	11E0123		05-03-2011
Methylene Chloride	9.61	0.50		ppbv	10.0	96%	70 - 130	2	30	11E0123		05-03-2011
Methyl-tert-butyl Ether (MTBE)	10.3	1.00		ppbv	10.0	103%	70 - 130	2	30	11E0123		05-03-2011
Naphthalene	14.2	5.00	V1,L3	ppbv	10.0	142%	70 - 130	1	30	11E0123		05-03-2011
n-Butylbenzene	12.7	0.50		ppbv	10.0	127%	70 - 130	0.8	30	11E0123		05-03-2011
n-Nonane (C9)	10.6	0.50		ppbv	10.0	106%	70 - 130	0.4	30	11E0123		05-03-2011
n-Octane (C8)	10.5	0.50		ppbv	10.0	105%	70 - 130	3	30	11E0123		05-03-2011
n-Propylbenzene	11.1	0.50		ppbv	10.0	111%	70 - 130	0.6	30	11E0123		05-03-2011
o-Xylene	9.61	0.50		ppbv	10.0	96%	70 - 130	0.6	30	11E0123		05-03-2011
Propene	11.7	0.50		ppbv	10.0	117%	70 - 130	0.6	30	11E0123		05-03-2011
sec-Butylbenzene	11.5	0.50		ppbv	10.0	115%	70 - 130	0.8	30	11E0123		05-03-2011
Styrene	10.3	0.50		ppbv	10.0	103%	70 - 130	0.4	30	11E0123		05-03-2011
tert-Butylbenzene	11.4	0.50		ppbv	10.0	114%	70 - 130	0.8	30	11E0123		05-03-2011
Tetrachloroethene	8.17	0.50		ppbv	10.0	82%	70 - 130	3	30	11E0123		05-03-2011
Tetrahydrofuran	11.4	2.00		ppbv	10.0	114%	70 - 130	3	30	11E0123		05-03-2011
Toluene	9.13	0.50		ppbv	10.0	91%	70 - 130	2	30	11E0123		05-03-2011
trans-1,2-Dichloroethene	9.48	0.50		ppbv	10.0	95%	70 - 130	0.9	30	11E0123		05-03-2011
trans-1,3-Dichloropropene	9.59	0.50		ppbv	10.0	96%	70 - 130	2	30	11E0123		05-03-2011
Trichloroethene	9.25	0.50		ppbv	10.0	92%	70 - 130	3	30	11E0123		05-03-2011
Trichlorofluoromethane	8.59	0.50		ppbv	10.0	86%	70 - 130	3	30	11E0123		05-03-2011
Vinyl Acetate	10.6	0.50	N1	ppbv	10.0	106%	70 - 130	2	30	11E0123		05-03-2011
Vinyl chloride	10.7	0.50		ppbv	10.0	107%	70 - 130	2	30	11E0123		05-03-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50		ppbv	10.0	105%	70 - 130			11E0123		05-03-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0055	Received: 05/02/11
6155 E. Indian School Rd., Suite 200			Reported: 05/05/11 08:33
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0055	Received: 05/02/11
6155 E. Indian School Rd., Suite 200			Reported: 05/05/11 08:33
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

N1 See case narrative.

V1 Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Russell Granfors
Company: Clear Creek Associates	Phone: 480-659-7131	
Address: 8155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify)	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV06-15	5/2/11	1012	1014	0.4, 1.0, 6.0		1653	X				AVE0055-01							
SV25-15	5/2/11	1128	1130	0.4, 1.0, 6.0		1444	X							-02				
SV26-15	5/2/11	1508	1510	0.4, 1.0, 6.0		2496	X							-03				
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

20°C Amb

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by:	Date/Time: 5/2/11 1621	Received by:	
Relinquished by:	Date/Time: 5/2/11 1621	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 05, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0140
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/03/11
Final Report:	05/05/11 16:29

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The daily second source calibration verification standard recovered high and outside of acceptance limits for Vinyl Acetate and Benzyl Chloride. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Tina Paulauskas For Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV13-15	PUE0140-01	05/03/11	S/N 1456 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0140-01 (SV13-15)			**Sampling Time: min**					**Sampled: 05/03/11 14:47**	
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/5/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		10	5/5/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/5/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/5/2011	BB	EPA TO15
1,1-Dichloroethene	**61**	**5.0**	**240**	**19.8**		**10**	**5/5/2011**	**BB**	**EPA TO15**
1,2,4-Trichlorobenzene	<20	20	<148	148		10	5/5/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		10	5/5/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/5/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		10	5/5/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		10	5/5/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		10	5/5/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	5/5/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0	V1,L3	10	5/5/2011	BB	EPA TO15
2-Propanol	<20	20	<49.2	49.2		10	5/5/2011	BB	EPA TO15
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0	V1,L3	10	5/5/2011	BB	EPA TO15
Acetone	<50	50	<119	119		10	5/5/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		10	5/5/2011	BB	EPA TO15
Benzene	**5.5**	**5.0**	**18**	**16.0**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Benzyl Chloride	<20	20	<104	104	V1,L3,N1	10	5/5/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		10	5/5/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		10	5/5/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		10	5/5/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		10	5/5/2011	BB	EPA TO15
Carbon disulfide	<5.0	5.0	<15.6	15.6		10	5/5/2011	BB	EPA TO15
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		10	5/5/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		10	5/5/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		10	5/5/2011	BB	EPA TO15
Chloroform	**9.6**	**5.0**	**47**	**24.4**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		10	5/5/2011	BB	EPA TO15
cis-1,2-Dichloroethene	**78**	**5.0**	**310**	**19.8**		**10**	**5/5/2011**	**BB**	**EPA TO15**
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/5/2011	BB	EPA TO15
Cyclohexane	<5.0	5.0	<17.2	17.2		10	5/5/2011	BB	EPA TO15
Dibromochloromethane	<5.0	5.0	<42.6	42.6		10	5/5/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.0	5.0	<24.7	24.7		10	5/5/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		10	5/5/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0	V1,L3	10	5/5/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		10	5/5/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0140-01 (SV13-15) - cont. — **Sampling Time: min** — **Sampled: 05/03/11 14:47**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	**88**	**5.0**	**670**	**38.3**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Heptane	<5.0	5.0	<20.5	20.5		10	5/5/2011	BB	EPA TO15
Hexachlorobutadiene	<10	10	<107	107		10	5/5/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		10	5/5/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	5/5/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		10	5/5/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	5/5/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262	V1,L3	10	5/5/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4	V1,L3	10	5/5/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		10	5/5/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		10	5/5/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
o-Xylene	<5.0	5.0	<21.7	21.7		10	5/5/2011	BB	EPA TO15
Propene	<5.0	5.0	<8.61	8.61		10	5/5/2011	BB	EPA TO15
sec-Butylbenzene	<5.0	5.0	<27.4	27.4	V1,L3	10	5/5/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		10	5/5/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/5/2011	BB	EPA TO15
Tetrachloroethene	**110**	**5.0**	**750**	**33.9**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0	V1,L3	10	5/5/2011	BB	EPA TO15
Toluene	<5.0	5.0	<18.8	18.8		10	5/5/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/5/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/5/2011	BB	EPA TO15
Trichloroethene	**440**	**5.0**	**2400**	**26.9**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<5.0	5.0	<28.1	28.1		10	5/5/2011	BB	EPA TO15
Vinyl Acetate	<5.0	5.0	<17.6	17.6	N1	10	5/5/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		10	5/5/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*92 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0181-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Hexanone	<1.0	1.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Propanol	<2.0	2.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Acetone	<5.0	5.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Benzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Benzyl Chloride	<2.0	2.0	V1,N1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromoform	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromomethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloroform	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Cyclohexane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0181-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Ethyl Acetate	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Freon 113	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Heptane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Hexane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Naphthalene	<5.0	5.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Butylbenzene	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
o-Xylene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Propene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
sec-Butylbenzene	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Styrene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Tetrahydrofuran	<2.0	2.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Toluene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Trichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Vinyl Acetate	<0.50	0.50	N1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Surrogate: 4-Bromofluorobenzene	98%				11E0181	11E0181-BLK1	05-04-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
1,1,1-Trichloroethane	10.2	0.50		ppbv	102%	70 - 130	11E0181	05-04-2011
1,1,2,2-Tetrachloroethane	12.0	0.50		ppbv	120%	70 - 130	11E0181	05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
1,1,2-Trichloroethane	10.2	0.50		ppbv	102%	70 - 130	11E0181	05-04-2011
1,1-Dichloroethane	10.7	0.50		ppbv	107%	70 - 130	11E0181	05-04-2011
1,1-Dichloroethene	11.1	0.50		ppbv	111%	70 - 130	11E0181	05-04-2011
1,2,4-Trichlorobenzene	12.3	2.00		ppbv	123%	70 - 130	11E0181	05-04-2011
1,2,4-Trimethylbenzene	12.7	0.50		ppbv	127%	70 - 130	11E0181	05-04-2011
1,2-Dibromoethane (EDB)	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
1,2-Dichlorobenzene	12.3	0.50		ppbv	123%	70 - 130	11E0181	05-04-2011
1,2-Dichloroethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
1,2-Dichloropropane	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
1,3,5-Trimethylbenzene	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
1,3-Butadiene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
1,3-Dichlorobenzene	11.9	0.50		ppbv	119%	70 - 130	11E0181	05-04-2011
1,4-Dichlorobenzene	12.2	0.50		ppbv	122%	70 - 130	11E0181	05-04-2011
2,2,4-Trimethylpentane	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
2-Butanone (MEK)	11.7	1.00		ppbv	117%	70 - 130	11E0181	05-04-2011
2-Hexanone	14.9	1.00	V1,L3	ppbv	149%	70 - 130	11E0181	05-04-2011
2-Propanol	12.7	2.00		ppbv	127%	70 - 130	11E0181	05-04-2011
4-Ethyltoluene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
4-Methyl-2-pentanone (MIBK)	13.6	1.00	V1,L3	ppbv	136%	70 - 130	11E0181	05-04-2011
Acetone	10.5	5.00		ppbv	105%	70 - 130	11E0181	05-04-2011
Allyl Chloride	11.4	0.50		ppbv	114%	70 - 130	11E0181	05-04-2011
Benzene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Benzyl Chloride	15.3	2.00	V1,L3,N1	ppbv	153%	70 - 130	11E0181	05-04-2011
Bromodichloromethane	9.95	0.50		ppbv	100%	70 - 130	11E0181	05-04-2011
Bromoethene(Vinyl Bromide)	10.9	0.50		ppbv	109%	70 - 130	11E0181	05-04-2011
Bromoform	10.9	0.50		ppbv	109%	70 - 130	11E0181	05-04-2011
Bromomethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Carbon disulfide	10.4	0.50		ppbv	104%	70 - 130	11E0181	05-04-2011
Carbon tetrachloride	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
Chlorobenzene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Chloroethane	11.1	0.50		ppbv	111%	70 - 130	11E0181	05-04-2011
Chloroform	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
Chloromethane	11.7	0.50		ppbv	117%	70 - 130	11E0181	05-04-2011
cis-1,2-Dichloroethene	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
cis-1,3-Dichloropropene	11.0	0.50		ppbv	110%	70 - 130	11E0181	05-04-2011
Cyclohexane	12.0	0.50		ppbv	120%	70 - 130	11E0181	05-04-2011
Dibromochloromethane	9.81	0.50		ppbv	98%	70 - 130	11E0181	05-04-2011
Dichlorodifluoromethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
Dichlorotetrafluoroethane(F-114)	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
Ethyl Acetate	13.2	0.50	V1,L3	ppbv	132%	70 - 130	11E0181	05-04-2011
Ethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0181	05-04-2011
Freon 113	9.97	0.50		ppbv	100%	70 - 130	11E0181	05-04-2011
Heptane	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
Hexachlorobutadiene	13.0	1.00		ppbv	130%	70 - 130	11E0181	05-04-2011
Hexane	12.2	0.50		ppbv	122%	70 - 130	11E0181	05-04-2011
Isopropylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0181	05-04-2011
m,p-Xylenes	22.7	1.00		ppbv	114%	70 - 130	11E0181	05-04-2011
Methylene Chloride	11.3	0.50		ppbv	113%	70 - 130	11E0181	05-04-2011
Methyl-tert-butyl Ether (MTBE)	11.6	1.00		ppbv	116%	70 - 130	11E0181	05-04-2011
Naphthalene	16.5	5.00	V1,L3	ppbv	165%	70 - 130	11E0181	05-04-2011
n-Butylbenzene	14.6	0.50	V1,L3	ppbv	146%	70 - 130	11E0181	05-04-2011
n-Nonane (C9)	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
n-Octane (C8)	11.4	0.50		ppbv	114%	70 - 130	11E0181	05-04-2011
n-Propylbenzene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
o-Xylene	11.2	0.50		ppbv	112%	70 - 130	11E0181	05-04-2011
Propene	12.9	0.50		ppbv	129%	70 - 130	11E0181	05-04-2011
sec-Butylbenzene	13.2	0.50	V1,L3	ppbv	132%	70 - 130	11E0181	05-04-2011
Styrene	11.9	0.50		ppbv	119%	70 - 130	11E0181	05-04-2011
tert-Butylbenzene	13.0	0.50		ppbv	130%	70 - 130	11E0181	05-04-2011
Tetrachloroethene	9.21	0.50		ppbv	92%	70 - 130	11E0181	05-04-2011
Tetrahydrofuran	13.7	2.00	V1,L3	ppbv	137%	70 - 130	11E0181	05-04-2011
Toluene	10.7	0.50		ppbv	107%	70 - 130	11E0181	05-04-2011
trans-1,2-Dichloroethene	10.4	0.50		ppbv	104%	70 - 130	11E0181	05-04-2011
trans-1,3-Dichloropropene	11.2	0.50		ppbv	112%	70 - 130	11E0181	05-04-2011
Trichloroethene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Trichlorofluoromethane	9.72	0.50		ppbv	97%	70 - 130	11E0181	05-04-2011
Vinyl Acetate	12.9	0.50	N1	ppbv	129%	70 - 130	11E0181	05-04-2011
Vinyl chloride	11.6	0.50		ppbv	116%	70 - 130	11E0181	05-04-2011
Surrogate: 4-Bromofluorobenzene	10.7	0.50			107%	70 - 130	11E0181	05-04-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
1,1,1-Trichloroethane	9.62	0.50		ppbv	10.0	96%	70 - 130	6	30	11E0181		05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
1,1,2,2-Tetrachloroethane	11.5	0.50		ppbv	10.0	115%	70 - 130	5	30	11E0181		05-04-2011
1,1,2-Trichloroethane	9.63	0.50		ppbv	10.0	96%	70 - 130	6	30	11E0181		05-04-2011
1,1-Dichloroethane	10.6	0.50		ppbv	10.0	106%	70 - 130	1	30	11E0181		05-04-2011
1,1-Dichloroethene	10.2	0.50		ppbv	10.0	102%	70 - 130	9	30	11E0181		05-04-2011
1,2,4-Trichlorobenzene	11.5	2.00		ppbv	10.0	115%	70 - 130	7	30	11E0181		05-04-2011
1,2,4-Trimethylbenzene	11.9	0.50		ppbv	10.0	119%	70 - 130	7	30	11E0181		05-04-2011
1,2-Dibromoethane (EDB)	9.65	0.50		ppbv	10.0	96%	70 - 130	4	30	11E0181		05-04-2011
1,2-Dichlorobenzene	11.5	0.50		ppbv	10.0	115%	70 - 130	7	30	11E0181		05-04-2011
1,2-Dichloroethane	9.49	0.50		ppbv	10.0	95%	70 - 130	8	30	11E0181		05-04-2011
1,2-Dichloropropane	10.2	0.50		ppbv	10.0	102%	70 - 130	4	30	11E0181		05-04-2011
1,3,5-Trimethylbenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	7	30	11E0181		05-04-2011
1,3-Butadiene	11.7	0.50		ppbv	10.0	117%	70 - 130	7	30	11E0181		05-04-2011
1,3-Dichlorobenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	5	30	11E0181		05-04-2011
1,4-Dichlorobenzene	11.4	0.50		ppbv	10.0	114%	70 - 130	7	30	11E0181		05-04-2011
2,2,4-Trimethylpentane	12.4	0.50		ppbv	10.0	124%	70 - 130	1	30	11E0181		05-04-2011
2-Butanone (MEK)	10.6	1.00		ppbv	10.0	106%	70 - 130	10	30	11E0181		05-04-2011
2-Hexanone	15.3	1.00	V1,L3	ppbv	10.0	153%	70 - 130	3	30	11E0181		05-04-2011
2-Propanol	12.0	2.00		ppbv	10.0	120%	70 - 130	5	30	11E0181		05-04-2011
4-Ethyltoluene	11.8	0.50		ppbv	10.0	118%	70 - 130	7	30	11E0181		05-04-2011
4-Methyl-2-pentanone (MIBK)	13.7	1.00	V1,L3	ppbv	10.0	137%	70 - 130	0.7	30	11E0181		05-04-2011
Acetone	9.34	5.00		ppbv	10.0	93%	70 - 130	12	30	11E0181		05-04-2011
Allyl Chloride	11.4	0.50		ppbv	10.0	114%	70 - 130	0.09	30	11E0181		05-04-2011
Benzene	9.36	0.50		ppbv	10.0	94%	70 - 130	9	30	11E0181		05-04-2011
Benzyl Chloride	14.8	2.00	V1,L3,N	ppbv	10.0	148%	70 - 130	4	30	11E0181		05-04-2011
Bromodichloromethane	10.4	0.50		ppbv	10.0	104%	70 - 130	4	30	11E0181		05-04-2011
Bromoethene(Vinyl Bromide)	9.67	0.50		ppbv	10.0	97%	70 - 130	12	30	11E0181		05-04-2011
Bromoform	10.6	0.50		ppbv	10.0	106%	70 - 130	3	30	11E0181		05-04-2011
Bromomethane	9.13	0.50		ppbv	10.0	91%	70 - 130	12	30	11E0181		05-04-2011
Carbon disulfide	9.32	0.50		ppbv	10.0	93%	70 - 130	10	30	11E0181		05-04-2011
Carbon tetrachloride	9.26	0.50		ppbv	10.0	93%	70 - 130	8	30	11E0181		05-04-2011
Chlorobenzene	9.96	0.50		ppbv	10.0	100%	70 - 130	3	30	11E0181		05-04-2011
Chloroethane	9.95	0.50		ppbv	10.0	100%	70 - 130	11	30	11E0181		05-04-2011
Chloroform	9.74	0.50		ppbv	10.0	97%	70 - 130	8	30	11E0181		05-04-2011
Chloromethane	10.6	0.50		ppbv	10.0	106%	70 - 130	10	30	11E0181		05-04-2011
cis-1,2-Dichloroethene	9.81	0.50		ppbv	10.0	98%	70 - 130	8	30	11E0181		05-04-2011
cis-1,3-Dichloropropene	10.8	0.50		ppbv	10.0	108%	70 - 130	2	30	11E0181		05-04-2011
Cyclohexane	11.0	0.50		ppbv	10.0	110%	70 - 130	9	30	11E0181		05-04-2011
Dibromochloromethane	9.68	0.50		ppbv	10.0	97%	70 - 130	1	30	11E0181		05-04-2011
Dichlorodifluoromethane	9.67	0.50		ppbv	10.0	97%	70 - 130	7	30	11E0181		05-04-2011
Dichlorotetrafluoroethane(F-114)	9.07	0.50		ppbv	10.0	91%	70 - 130	11	30	11E0181		05-04-2011
Ethyl Acetate	12.0	0.50	V1	ppbv	10.0	120%	70 - 130	10	30	11E0181		05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0140
Project: Motorola Air
Project Number: Motorola 52

Received: 05/03/11
Reported: 05/05/11 16:29

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
Ethylbenzene	10.3	0.50		ppbv	10.0	103%	70 - 130	6	30	11E0181		05-04-2011
Freon 113	9.07	0.50		ppbv	10.0	91%	70 - 130	9	30	11E0181		05-04-2011
Heptane	12.0	0.50		ppbv	10.0	120%	70 - 130	1	30	11E0181		05-04-2011
Hexachlorobutadiene	12.1	1.00		ppbv	10.0	121%	70 - 130	7	30	11E0181		05-04-2011
Hexane	11.1	0.50		ppbv	10.0	111%	70 - 130	10	30	11E0181		05-04-2011
Isopropylbenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	6	30	11E0181		05-04-2011
m,p-Xylenes	20.7	1.00		ppbv	20.0	104%	70 - 130	9	30	11E0181		05-04-2011
Methylene Chloride	10.4	0.50		ppbv	10.0	104%	70 - 130	9	30	11E0181		05-04-2011
Methyl-tert-butyl Ether (MTBE)	10.3	1.00		ppbv	10.0	103%	70 - 130	12	30	11E0181		05-04-2011
Naphthalene	15.7	5.00	V1,L3	ppbv	10.0	157%	70 - 130	5	30	11E0181		05-04-2011
n-Butylbenzene	13.7	0.50	V1,L3	ppbv	10.0	137%	70 - 130	6	30	11E0181		05-04-2011
n-Nonane (C9)	11.8	0.50		ppbv	10.0	118%	70 - 130	2	30	11E0181		05-04-2011
n-Octane (C8)	11.8	0.50		ppbv	10.0	118%	70 - 130	3	30	11E0181		05-04-2011
n-Propylbenzene	11.9	0.50		ppbv	10.0	119%	70 - 130	5	30	11E0181		05-04-2011
o-Xylene	10.5	0.50		ppbv	10.0	105%	70 - 130	6	30	11E0181		05-04-2011
Propene	12.5	0.50		ppbv	10.0	125%	70 - 130	3	30	11E0181		05-04-2011
sec-Butylbenzene	12.4	0.50	V1	ppbv	10.0	124%	70 - 130	6	30	11E0181		05-04-2011
Styrene	11.3	0.50		ppbv	10.0	113%	70 - 130	5	30	11E0181		05-04-2011
tert-Butylbenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	6	30	11E0181		05-04-2011
Tetrachloroethene	8.88	0.50		ppbv	10.0	89%	70 - 130	4	30	11E0181		05-04-2011
Tetrahydrofuran	12.2	2.00	V1	ppbv	10.0	122%	70 - 130	11	30	11E0181		05-04-2011
Toluene	9.98	0.50		ppbv	10.0	100%	70 - 130	7	30	11E0181		05-04-2011
trans-1,2-Dichloroethene	9.78	0.50		ppbv	10.0	98%	70 - 130	6	30	11E0181		05-04-2011
trans-1,3-Dichloropropene	10.9	0.50		ppbv	10.0	109%	70 - 130	2	30	11E0181		05-04-2011
Trichloroethene	10.4	0.50		ppbv	10.0	104%	70 - 130	0.1	30	11E0181		05-04-2011
Trichlorofluoromethane	8.71	0.50		ppbv	10.0	87%	70 - 130	11	30	11E0181		05-04-2011
Vinyl Acetate	11.4	0.50	N1	ppbv	10.0	114%	70 - 130	12	30	11E0181		05-04-2011
Vinyl chloride	10.6	0.50		ppbv	10.0	106%	70 - 130	9	30	11E0181		05-04-2011
Surrogate: 4-Bromofluorobenzene	10.1	0.50		ppbv	10.0	101%	70 - 130			11E0181		05-04-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0140	Received: 05/03/11
6155 E. Indian School Rd., Suite 200			Reported: 05/05/11 16:29
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0140	Received: 05/03/11
6155 E. Indian School Rd., Suite 200			Reported: 05/05/11 16:29
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
N1	See case narrative.
V1	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

PUE 0140

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Russell Granford
Company: Clear Creek Associates	Phone: 480-659-7131	
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify)	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV13-15	5/3/11	1445	1447	0.4, 1.0, 6.0		1456	X											
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Russell Granford	Date/Time: 5/3/11 1600	Received by:	
Relinquished by:	Date/Time:	Received by: 5/3/11 1600	20.0°C/Amb

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 06, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0245
Project Name:	Motorola Air
Project Number:	[none]
Date Received:	05/04/11
Final Report:	05/06/11 13:19

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
The daily second source calibration verification standard recovered high and outside of acceptance limits for Vinyl Acetate and Benzyl Chloride. All associated samples are non-detect for this compound and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Tina Paulauskas For Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV02-5	PUE0245-01	05/04/11	S/N 1426 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0245-01 (SV02-5)			**Sampling Time: min**					**Sampled: 05/04/11 12:17**	
1,1,1-Trichloroethane	**56**	**5.1**	**310**	**27.8**		**10**	**5/5/2011**	**BB**	**EPA TO15**
1,1,2,2-Tetrachloroethane	<5.1	5.1	<35.0	35.0		10	5/5/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.1	5.1	<27.8	27.8		10	5/5/2011	BB	EPA TO15
1,1-Dichloroethane	**7.9**	**5.1**	**32**	**20.6**		**10**	**5/5/2011**	**BB**	**EPA TO15**
1,1-Dichloroethene	**370**	**5.1**	**1500**	**20.2**		**10**	**5/5/2011**	**BB**	**EPA TO15**
1,2,4-Trichlorobenzene	<20	20	<148	148		10	5/5/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.1	5.1	<25.1	25.1		10	5/5/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.1	5.1	<39.2	39.2		10	5/5/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.1	5.1	<30.7	30.7		10	5/5/2011	BB	EPA TO15
1,2-Dichloroethane	<5.1	5.1	<20.6	20.6		10	5/5/2011	BB	EPA TO15
1,2-Dichloropropane	<5.1	5.1	<23.6	23.6		10	5/5/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.1	5.1	<25.1	25.1		10	5/5/2011	BB	EPA TO15
1,3-Butadiene	<5.1	5.1	<11.3	11.3		10	5/5/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.1	5.1	<30.7	30.7		10	5/5/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.1	5.1	<30.7	30.7		10	5/5/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.1	5.1	<23.8	23.8		10	5/5/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	5/5/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0	V1,L3	10	5/5/2011	BB	EPA TO15
2-Propanol	**34**	**20**	**84**	**49.2**		**10**	**5/5/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<5.1	5.1	<25.1	25.1		10	5/5/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0	V1,L3	10	5/5/2011	BB	EPA TO15
Acetone	<51	51	<121	121		10	5/5/2011	BB	EPA TO15
Allyl Chloride	<5.1	5.1	<16.0	16.0		10	5/5/2011	BB	EPA TO15
Benzene	<5.1	5.1	<16.3	16.3		10	5/5/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	V1,L3,N1	10	5/5/2011	BB	EPA TO15
Bromodichloromethane	<5.1	5.1	<34.2	34.2		10	5/5/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.1	5.1	<22.3	22.3		10	5/5/2011	BB	EPA TO15
Bromoform	<5.1	5.1	<52.7	52.7		10	5/5/2011	BB	EPA TO15
Bromomethane	<5.1	5.1	<19.8	19.8		10	5/5/2011	BB	EPA TO15
Carbon disulfide	<5.1	5.1	<15.9	15.9		10	5/5/2011	BB	EPA TO15
Carbon tetrachloride	<5.1	5.1	<32.1	32.1		10	5/5/2011	BB	EPA TO15
Chlorobenzene	<5.1	5.1	<23.5	23.5		10	5/5/2011	BB	EPA TO15
Chloroethane	<5.1	5.1	<13.5	13.5		10	5/5/2011	BB	EPA TO15
Chloroform	**20**	**5.1**	**98**	**24.9**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Chloromethane	<5.1	5.1	<10.5	10.5		10	5/5/2011	BB	EPA TO15
cis-1,2-Dichloroethene	**7.4**	**5.1**	**29**	**20.2**		**10**	**5/5/2011**	**BB**	**EPA TO15**
cis-1,3-Dichloropropene	<5.1	5.1	<23.1	23.1		10	5/5/2011	BB	EPA TO15
Cyclohexane	**7.9**	**5.1**	**27**	**17.6**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<5.1	5.1	<43.4	43.4		10	5/5/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.1	5.1	<25.2	25.2		10	5/5/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.1	5.1	<35.7	35.7		10	5/5/2011	BB	EPA TO15
Ethyl Acetate	<5.1	5.1	<18.4	18.4	V1,L3	10	5/5/2011	BB	EPA TO15
Ethylbenzene	<5.1	5.1	<22.1	22.1		10	5/5/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0245-01 (SV02-5) - cont. — **Sampling Time: min** — **Sampled: 05/04/11 12:17**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Heptane	<5.1	5.1	<20.9	20.9		10	5/5/2011	BB	EPA TO15
Hexachlorobutadiene	<10	10	<107	107		10	5/5/2011	BB	EPA TO15
Hexane	<5.1	5.1	<18.0	18.0		10	5/5/2011	BB	EPA TO15
Isopropylbenzene	<5.1	5.1	<25.1	25.1		10	5/5/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	5/5/2011	BB	EPA TO15
Methylene Chloride	<5.1	5.1	<17.7	17.7		10	5/5/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	5/5/2011	BB	EPA TO15
Naphthalene	<51	51	<267	267	V1,L3	10	5/5/2011	BB	EPA TO15
n-Butylbenzene	<5.1	5.1	<28.0	28.0	V1,L3	10	5/5/2011	BB	EPA TO15
n-Nonane (C9)	<5.1	5.1	<26.8	26.8		10	5/5/2011	BB	EPA TO15
n-Octane (C8)	<5.1	5.1	<23.8	23.8		10	5/5/2011	BB	EPA TO15
n-Propylbenzene	<5.1	5.1	<25.1	25.1		10	5/5/2011	BB	EPA TO15
o-Xylene	<5.1	5.1	<22.1	22.1		10	5/5/2011	BB	EPA TO15
Propene	**17**	**5.1**	**29**	**8.78**		**10**	**5/5/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<5.1	5.1	<28.0	28.0	V1,L3	10	5/5/2011	BB	EPA TO15
Styrene	<5.1	5.1	<21.7	21.7		10	5/5/2011	BB	EPA TO15
tert-Butylbenzene	<5.1	5.1	<28.0	28.0		10	5/5/2011	BB	EPA TO15
Tetrachloroethene	**170**	**5.1**	**1200**	**34.6**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0	V1,L3	10	5/5/2011	BB	EPA TO15
Toluene	<5.1	5.1	<19.2	19.2		10	5/5/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.1	5.1	<20.2	20.2		10	5/5/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.1	5.1	<23.1	23.1		10	5/5/2011	BB	EPA TO15
Trichlorofluoromethane	<5.1	5.1	<28.7	28.7		10	5/5/2011	BB	EPA TO15
Vinyl Acetate	<5.1	5.1	<18.0	18.0	N1	10	5/5/2011	BB	EPA TO15
Vinyl chloride	<5.1	5.1	<13.0	13.0		10	5/5/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0245-01RE1 (SV02-5)			**Sampling Time: min**						**Sampled: 05/04/11 12:17**
Freon 113	**500**	**25**	**3800**	**192**		**50**	**5/5/2011**	**BB**	**EPA TO15**
Trichloroethene	**490**	**25**	**2600**	**134**		**50**	**5/5/2011**	**BB**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0181-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2,4-Trichlorobenzene	<2.0	2.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Hexanone	<1.0	1.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
2-Propanol	<2.0	2.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Acetone	<5.0	5.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Benzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Benzyl Chloride	<2.0	2.0	V1,N1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromoform	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Bromomethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloroethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloroform	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Chloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Cyclohexane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0181-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Ethyl Acetate	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Freon 113	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Heptane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Hexachlorobutadiene	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Hexane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0181	11E0181-BLK1	05-04-2011
Naphthalene	<5.0	5.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Butylbenzene	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
o-Xylene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Propene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
sec-Butylbenzene	<0.50	0.50	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Styrene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Tetrahydrofuran	<2.0	2.0	V1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Toluene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Trichloroethene	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Vinyl Acetate	<0.50	0.50	N1	ppbv	11E0181	11E0181-BLK1	05-04-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0181	11E0181-BLK1	05-04-2011
Surrogate: 4-Bromofluorobenzene	98%				11E0181	11E0181-BLK1	05-04-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
1,1,1-Trichloroethane	10.2	0.50		ppbv	102%	70 - 130	11E0181	05-04-2011
1,1,2,2-Tetrachloroethane	12.0	0.50		ppbv	120%	70 - 130	11E0181	05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
1,1,2-Trichloroethane	10.2	0.50		ppbv	102%	70 - 130	11E0181	05-04-2011
1,1-Dichloroethane	10.7	0.50		ppbv	107%	70 - 130	11E0181	05-04-2011
1,1-Dichloroethene	11.1	0.50		ppbv	111%	70 - 130	11E0181	05-04-2011
1,2,4-Trichlorobenzene	12.3	2.00		ppbv	123%	70 - 130	11E0181	05-04-2011
1,2,4-Trimethylbenzene	12.7	0.50		ppbv	127%	70 - 130	11E0181	05-04-2011
1,2-Dibromoethane (EDB)	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
1,2-Dichlorobenzene	12.3	0.50		ppbv	123%	70 - 130	11E0181	05-04-2011
1,2-Dichloroethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
1,2-Dichloropropane	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
1,3,5-Trimethylbenzene	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
1,3-Butadiene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
1,3-Dichlorobenzene	11.9	0.50		ppbv	119%	70 - 130	11E0181	05-04-2011
1,4-Dichlorobenzene	12.2	0.50		ppbv	122%	70 - 130	11E0181	05-04-2011
2,2,4-Trimethylpentane	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
2-Butanone (MEK)	11.7	1.00		ppbv	117%	70 - 130	11E0181	05-04-2011
2-Hexanone	14.9	1.00	V1,L3	ppbv	149%	70 - 130	11E0181	05-04-2011
2-Propanol	12.7	2.00		ppbv	127%	70 - 130	11E0181	05-04-2011
4-Ethyltoluene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
4-Methyl-2-pentanone (MIBK)	13.6	1.00	V1,L3	ppbv	136%	70 - 130	11E0181	05-04-2011
Acetone	10.5	5.00		ppbv	105%	70 - 130	11E0181	05-04-2011
Allyl Chloride	11.4	0.50		ppbv	114%	70 - 130	11E0181	05-04-2011
Benzene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Benzyl Chloride	15.3	2.00	V1,L3,N1	ppbv	153%	70 - 130	11E0181	05-04-2011
Bromodichloromethane	9.95	0.50		ppbv	100%	70 - 130	11E0181	05-04-2011
Bromoethene(Vinyl Bromide)	10.9	0.50		ppbv	109%	70 - 130	11E0181	05-04-2011
Bromoform	10.9	0.50		ppbv	109%	70 - 130	11E0181	05-04-2011
Bromomethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Carbon disulfide	10.4	0.50		ppbv	104%	70 - 130	11E0181	05-04-2011
Carbon tetrachloride	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
Chlorobenzene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Chloroethane	11.1	0.50		ppbv	111%	70 - 130	11E0181	05-04-2011
Chloroform	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
Chloromethane	11.7	0.50		ppbv	117%	70 - 130	11E0181	05-04-2011
cis-1,2-Dichloroethene	10.6	0.50		ppbv	106%	70 - 130	11E0181	05-04-2011
cis-1,3-Dichloropropene	11.0	0.50		ppbv	110%	70 - 130	11E0181	05-04-2011
Cyclohexane	12.0	0.50		ppbv	120%	70 - 130	11E0181	05-04-2011
Dibromochloromethane	9.81	0.50		ppbv	98%	70 - 130	11E0181	05-04-2011
Dichlorodifluoromethane	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0181-BS1								
Dichlorotetrafluoroethane(F-114)	10.1	0.50		ppbv	101%	70 - 130	11E0181	05-04-2011
Ethyl Acetate	13.2	0.50	V1,L3	ppbv	132%	70 - 130	11E0181	05-04-2011
Ethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0181	05-04-2011
Freon 113	9.97	0.50		ppbv	100%	70 - 130	11E0181	05-04-2011
Heptane	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
Hexachlorobutadiene	13.0	1.00		ppbv	130%	70 - 130	11E0181	05-04-2011
Hexane	12.2	0.50		ppbv	122%	70 - 130	11E0181	05-04-2011
Isopropylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0181	05-04-2011
m,p-Xylenes	22.7	1.00		ppbv	114%	70 - 130	11E0181	05-04-2011
Methylene Chloride	11.3	0.50		ppbv	113%	70 - 130	11E0181	05-04-2011
Methyl-tert-butyl Ether (MTBE)	11.6	1.00		ppbv	116%	70 - 130	11E0181	05-04-2011
Naphthalene	16.5	5.00	V1,L3	ppbv	165%	70 - 130	11E0181	05-04-2011
n-Butylbenzene	14.6	0.50	V1,L3	ppbv	146%	70 - 130	11E0181	05-04-2011
n-Nonane (C9)	12.1	0.50		ppbv	121%	70 - 130	11E0181	05-04-2011
n-Octane (C8)	11.4	0.50		ppbv	114%	70 - 130	11E0181	05-04-2011
n-Propylbenzene	12.6	0.50		ppbv	126%	70 - 130	11E0181	05-04-2011
o-Xylene	11.2	0.50		ppbv	112%	70 - 130	11E0181	05-04-2011
Propene	12.9	0.50		ppbv	129%	70 - 130	11E0181	05-04-2011
sec-Butylbenzene	13.2	0.50	V1,L3	ppbv	132%	70 - 130	11E0181	05-04-2011
Styrene	11.9	0.50		ppbv	119%	70 - 130	11E0181	05-04-2011
tert-Butylbenzene	13.0	0.50		ppbv	130%	70 - 130	11E0181	05-04-2011
Tetrachloroethene	9.21	0.50		ppbv	92%	70 - 130	11E0181	05-04-2011
Tetrahydrofuran	13.7	2.00	V1,L3	ppbv	137%	70 - 130	11E0181	05-04-2011
Toluene	10.7	0.50		ppbv	107%	70 - 130	11E0181	05-04-2011
trans-1,2-Dichloroethene	10.4	0.50		ppbv	104%	70 - 130	11E0181	05-04-2011
trans-1,3-Dichloropropene	11.2	0.50		ppbv	112%	70 - 130	11E0181	05-04-2011
Trichloroethene	10.3	0.50		ppbv	103%	70 - 130	11E0181	05-04-2011
Trichlorofluoromethane	9.72	0.50		ppbv	97%	70 - 130	11E0181	05-04-2011
Vinyl Acetate	12.9	0.50	N1	ppbv	129%	70 - 130	11E0181	05-04-2011
Vinyl chloride	11.6	0.50		ppbv	116%	70 - 130	11E0181	05-04-2011
Surrogate: 4-Bromofluorobenzene	10.7	0.50			107%	70 - 130	11E0181	05-04-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
1,1,1-Trichloroethane	9.62	0.50		ppbv	10.0	96%	70 - 130	6	30	11E0181		05-04-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
1,1,2,2-Tetrachloroethane	11.5	0.50		ppbv	10.0	115%	70 - 130	5	30	11E0181		05-04-2011
1,1,2-Trichloroethane	9.63	0.50		ppbv	10.0	96%	70 - 130	6	30	11E0181		05-04-2011
1,1-Dichloroethane	10.6	0.50		ppbv	10.0	106%	70 - 130	1	30	11E0181		05-04-2011
1,1-Dichloroethene	10.2	0.50		ppbv	10.0	102%	70 - 130	9	30	11E0181		05-04-2011
1,2,4-Trichlorobenzene	11.5	2.00		ppbv	10.0	115%	70 - 130	7	30	11E0181		05-04-2011
1,2,4-Trimethylbenzene	11.9	0.50		ppbv	10.0	119%	70 - 130	7	30	11E0181		05-04-2011
1,2-Dibromoethane (EDB)	9.65	0.50		ppbv	10.0	96%	70 - 130	4	30	11E0181		05-04-2011
1,2-Dichlorobenzene	11.5	0.50		ppbv	10.0	115%	70 - 130	7	30	11E0181		05-04-2011
1,2-Dichloroethane	9.49	0.50		ppbv	10.0	95%	70 - 130	8	30	11E0181		05-04-2011
1,2-Dichloropropane	10.2	0.50		ppbv	10.0	102%	70 - 130	4	30	11E0181		05-04-2011
1,3,5-Trimethylbenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	7	30	11E0181		05-04-2011
1,3-Butadiene	11.7	0.50		ppbv	10.0	117%	70 - 130	7	30	11E0181		05-04-2011
1,3-Dichlorobenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	5	30	11E0181		05-04-2011
1,4-Dichlorobenzene	11.4	0.50		ppbv	10.0	114%	70 - 130	7	30	11E0181		05-04-2011
2,2,4-Trimethylpentane	12.4	0.50		ppbv	10.0	124%	70 - 130	1	30	11E0181		05-04-2011
2-Butanone (MEK)	10.6	1.00		ppbv	10.0	106%	70 - 130	10	30	11E0181		05-04-2011
2-Hexanone	15.3	1.00	V1,L3	ppbv	10.0	153%	70 - 130	3	30	11E0181		05-04-2011
2-Propanol	12.0	2.00		ppbv	10.0	120%	70 - 130	5	30	11E0181		05-04-2011
4-Ethyltoluene	11.8	0.50		ppbv	10.0	118%	70 - 130	7	30	11E0181		05-04-2011
4-Methyl-2-pentanone (MIBK)	13.7	1.00	V1,L3	ppbv	10.0	137%	70 - 130	0.7	30	11E0181		05-04-2011
Acetone	9.34	5.00		ppbv	10.0	93%	70 - 130	12	30	11E0181		05-04-2011
Allyl Chloride	11.4	0.50		ppbv	10.0	114%	70 - 130	0.09	30	11E0181		05-04-2011
Benzene	9.36	0.50		ppbv	10.0	94%	70 - 130	9	30	11E0181		05-04-2011
Benzyl Chloride	14.8	2.00	V1,L3,N	ppbv	10.0	148%	70 - 130	4	30	11E0181		05-04-2011
Bromodichloromethane	10.4	0.50		ppbv	10.0	104%	70 - 130	4	30	11E0181		05-04-2011
Bromoethene(Vinyl Bromide)	9.67	0.50		ppbv	10.0	97%	70 - 130	12	30	11E0181		05-04-2011
Bromoform	10.6	0.50		ppbv	10.0	106%	70 - 130	3	30	11E0181		05-04-2011
Bromomethane	9.13	0.50		ppbv	10.0	91%	70 - 130	12	30	11E0181		05-04-2011
Carbon disulfide	9.32	0.50		ppbv	10.0	93%	70 - 130	10	30	11E0181		05-04-2011
Carbon tetrachloride	9.26	0.50		ppbv	10.0	93%	70 - 130	8	30	11E0181		05-04-2011
Chlorobenzene	9.96	0.50		ppbv	10.0	100%	70 - 130	3	30	11E0181		05-04-2011
Chloroethane	9.95	0.50		ppbv	10.0	100%	70 - 130	11	30	11E0181		05-04-2011
Chloroform	9.74	0.50		ppbv	10.0	97%	70 - 130	8	30	11E0181		05-04-2011
Chloromethane	10.6	0.50		ppbv	10.0	106%	70 - 130	10	30	11E0181		05-04-2011
cis-1,2-Dichloroethene	9.81	0.50		ppbv	10.0	98%	70 - 130	8	30	11E0181		05-04-2011
cis-1,3-Dichloropropene	10.8	0.50		ppbv	10.0	108%	70 - 130	2	30	11E0181		05-04-2011
Cyclohexane	11.0	0.50		ppbv	10.0	110%	70 - 130	9	30	11E0181		05-04-2011
Dibromochloromethane	9.68	0.50		ppbv	10.0	97%	70 - 130	1	30	11E0181		05-04-2011
Dichlorodifluoromethane	9.67	0.50		ppbv	10.0	97%	70 - 130	7	30	11E0181		05-04-2011
Dichlorotetrafluoroethane(F-114)	9.07	0.50		ppbv	10.0	91%	70 - 130	11	30	11E0181		05-04-2011
Ethyl Acetate	12.0	0.50	V1	ppbv	10.0	120%	70 - 130	10	30	11E0181		05-04-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0245
Project: Motorola Air
Project Number: [none]

Received: 05/04/11
Reported: 05/06/11 13:19

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0181-BSD1												
Ethylbenzene	10.3	0.50		ppbv	10.0	103%	70 - 130	6	30	11E0181		05-04-2011
Freon 113	9.07	0.50		ppbv	10.0	91%	70 - 130	9	30	11E0181		05-04-2011
Heptane	12.0	0.50		ppbv	10.0	120%	70 - 130	1	30	11E0181		05-04-2011
Hexachlorobutadiene	12.1	1.00		ppbv	10.0	121%	70 - 130	7	30	11E0181		05-04-2011
Hexane	11.1	0.50		ppbv	10.0	111%	70 - 130	10	30	11E0181		05-04-2011
Isopropylbenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	6	30	11E0181		05-04-2011
m,p-Xylenes	20.7	1.00		ppbv	20.0	104%	70 - 130	9	30	11E0181		05-04-2011
Methylene Chloride	10.4	0.50		ppbv	10.0	104%	70 - 130	9	30	11E0181		05-04-2011
Methyl-tert-butyl Ether (MTBE)	10.3	1.00		ppbv	10.0	103%	70 - 130	12	30	11E0181		05-04-2011
Naphthalene	15.7	5.00	V1,L3	ppbv	10.0	157%	70 - 130	5	30	11E0181		05-04-2011
n-Butylbenzene	13.7	0.50	V1,L3	ppbv	10.0	137%	70 - 130	6	30	11E0181		05-04-2011
n-Nonane (C9)	11.8	0.50		ppbv	10.0	118%	70 - 130	2	30	11E0181		05-04-2011
n-Octane (C8)	11.8	0.50		ppbv	10.0	118%	70 - 130	3	30	11E0181		05-04-2011
n-Propylbenzene	11.9	0.50		ppbv	10.0	119%	70 - 130	5	30	11E0181		05-04-2011
o-Xylene	10.5	0.50		ppbv	10.0	105%	70 - 130	6	30	11E0181		05-04-2011
Propene	12.5	0.50		ppbv	10.0	125%	70 - 130	3	30	11E0181		05-04-2011
sec-Butylbenzene	12.4	0.50	V1	ppbv	10.0	124%	70 - 130	6	30	11E0181		05-04-2011
Styrene	11.3	0.50		ppbv	10.0	113%	70 - 130	5	30	11E0181		05-04-2011
tert-Butylbenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	6	30	11E0181		05-04-2011
Tetrachloroethene	8.88	0.50		ppbv	10.0	89%	70 - 130	4	30	11E0181		05-04-2011
Tetrahydrofuran	12.2	2.00	V1	ppbv	10.0	122%	70 - 130	11	30	11E0181		05-04-2011
Toluene	9.98	0.50		ppbv	10.0	100%	70 - 130	7	30	11E0181		05-04-2011
trans-1,2-Dichloroethene	9.78	0.50		ppbv	10.0	98%	70 - 130	6	30	11E0181		05-04-2011
trans-1,3-Dichloropropene	10.9	0.50		ppbv	10.0	109%	70 - 130	2	30	11E0181		05-04-2011
Trichloroethene	10.4	0.50		ppbv	10.0	104%	70 - 130	0.1	30	11E0181		05-04-2011
Trichlorofluoromethane	8.71	0.50		ppbv	10.0	87%	70 - 130	11	30	11E0181		05-04-2011
Vinyl Acetate	11.4	0.50	N1	ppbv	10.0	114%	70 - 130	12	30	11E0181		05-04-2011
Vinyl chloride	10.6	0.50		ppbv	10.0	106%	70 - 130	9	30	11E0181		05-04-2011
Surrogate: 4-Bromofluorobenzene	10.1	0.50		ppbv	10.0	101%	70 - 130			11E0181		05-04-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0245	Received: 05/04/11
6155 E. Indian School Rd., Suite 200			Reported: 05/06/11 13:19
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	[none]	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0245	Received: 05/04/11
6155 E. Indian School Rd., Suite 200			Reported: 05/06/11 13:19
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	[none]	

DATA QUALIFIERS AND DEFINITIONS

L3 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

N1 See case narrative.

V1 Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

PUE 0245

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	**Project Manager:** Todd Cruse		Page 1 of 1 COCs
Company: Clear Creek Associates	**Phone:** 480-659-7131	**Samples Collected By:** Russell Crawford	
Address: 6155 E. Indian School	**Email:** Tcruse@clearcreekassociates.com		
City/State/Zip Scottsdale, AZ 85251	**Site Contact:**		
Phone: 480-659-7131	**LAB Contact:**		
FAX: 480-659-7143	**Analysis Turnaround Time**		
Project Name: Motorola 52	Standard (Specify)		
Site:	Rush (Specify) 48 hr		
PO #			

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	*Sample Type*	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV02-5	5/4/11	1215	1217	0.4, 1.0, 6.0		1426	X										-	01
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	20°C Ambient
Samples Relinquished by: Russell Crawford	Date/Time: 5/4/11 1602	Received by:	
Relinquished by:	Date/Time: 5-4-11 1602	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 09, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0339
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/05/11
Final Report:	05/09/11 14:34

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. Heptane, 1,2,4-Trichlorobenzene and Hexachlorobutadiene and Benzyl Chloride exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV11-15	PUE0339-01	05/05/11	S/N 1453 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0339-01 (SV11-15)			**Sampling Time: min**					**Sampled: 05/05/11 14:32**	
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/5/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		10	5/5/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/5/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/5/2011	BB	EPA TO15
1,1-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/5/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<20	20	<148	148	N1	10	5/5/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		10	5/5/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/5/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		10	5/5/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		10	5/5/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/5/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		10	5/5/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	5/5/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0		10	5/5/2011	BB	EPA TO15
2-Propanol	**100**	**20**	**250**	**49.2**		**10**	**5/5/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0		10	5/5/2011	BB	EPA TO15
Acetone	<50	50	<119	119		10	5/5/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		10	5/5/2011	BB	EPA TO15
Benzene	<5.0	5.0	<16.0	16.0		10	5/5/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	N1	10	5/5/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		10	5/5/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		10	5/5/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		10	5/5/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		10	5/5/2011	BB	EPA TO15
Carbon disulfide	**6.8**	**5.0**	**21**	**15.6**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		10	5/5/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		10	5/5/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		10	5/5/2011	BB	EPA TO15
Chloroform	**38**	**5.0**	**190**	**24.4**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		10	5/5/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/5/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/5/2011	BB	EPA TO15
Cyclohexane	**6.1**	**5.0**	**21**	**17.2**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<5.0	5.0	<42.6	42.6		10	5/5/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.0	5.0	<24.7	24.7		10	5/5/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		10	5/5/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0		10	5/5/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		10	5/5/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0339-01 (SV11-15) - cont. — **Sampling Time: min** — **Sampled: 05/05/11 14:32**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	<5.0	5.0	<38.3	38.3		10	5/5/2011	BB	EPA TO15
Heptane	<5.0	5.0	<20.5	20.5	N1	10	5/5/2011	BB	EPA TO15
Hexachlorobutadiene	<10	10	<107	107	N1	10	5/5/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		10	5/5/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	5/5/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		10	5/5/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	5/5/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262		10	5/5/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/5/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		10	5/5/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		10	5/5/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		10	5/5/2011	BB	EPA TO15
o-Xylene	<5.0	5.0	<21.7	21.7		10	5/5/2011	BB	EPA TO15
Propene	**39**	**5.0**	**67**	**8.61**		**10**	**5/5/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/5/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		10	5/5/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/5/2011	BB	EPA TO15
Tetrachloroethene	<5.0	5.0	<33.9	33.9		10	5/5/2011	BB	EPA TO15
Tetrahydrofuran	<20	20	<59.0	59.0		10	5/5/2011	BB	EPA TO15
Toluene	<5.0	5.0	<18.8	18.8		10	5/5/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/5/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/5/2011	BB	EPA TO15
Trichloroethene	**180**	**5.0**	**970**	**26.9**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	**5.2**	**5.0**	**29**	**28.1**		**10**	**5/5/2011**	**BB**	**EPA TO15**
Vinyl Acetate	<5.0	5.0	<17.6	17.6		10	5/5/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		10	5/5/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*105 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0236-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
2-Hexanone	<1.0	1.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
2-Propanol	<2.0	2.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
Acetone	<5.0	5.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Benzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Benzyl Chloride	<2.0	2.0	N1	ppbv	11E0236	11E0236-BLK1	05-05-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Bromoform	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Bromomethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Chloroethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Chloroform	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Chloromethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Cyclohexane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0236-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Freon 113	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Heptane	<0.50	0.50	N1	ppbv	11E0236	11E0236-BLK1	05-05-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0236	11E0236-BLK1	05-05-2011
Hexane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
Naphthalene	<5.0	5.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
o-Xylene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Propene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Styrene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0236	11E0236-BLK1	05-05-2011
Toluene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Trichloroethene	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Vinyl Acetate	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0236	11E0236-BLK1	05-05-2011
Surrogate: 4-Bromofluorobenzene	102%				11E0236	11E0236-BLK1	05-05-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0236-BS1								
1,1,1-Trichloroethane	9.43	0.50		ppbv	94%	70 - 130	11E0236	05-05-2011
1,1,2,2-Tetrachloroethane	9.30	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0236-BS1								
1,1,2-Trichloroethane	10.8	0.50		ppbv	108%	70 - 130	11E0236	05-05-2011
1,1-Dichloroethane	9.27	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011
1,1-Dichloroethene	9.55	0.50		ppbv	96%	70 - 130	11E0236	05-05-2011
1,2,4-Trichlorobenzene	9.26	2.00	N1	ppbv	93%	70 - 130	11E0236	05-05-2011
1,2,4-Trimethylbenzene	10.1	0.50		ppbv	101%	70 - 130	11E0236	05-05-2011
1,2-Dibromoethane (EDB)	10.8	0.50		ppbv	108%	70 - 130	11E0236	05-05-2011
1,2-Dichlorobenzene	10.3	0.50		ppbv	103%	70 - 130	11E0236	05-05-2011
1,2-Dichloroethane	10.0	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011
1,2-Dichloropropane	10.0	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011
1,3,5-Trimethylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0236	05-05-2011
1,3-Butadiene	8.86	0.50		ppbv	89%	70 - 130	11E0236	05-05-2011
1,3-Dichlorobenzene	9.42	0.50		ppbv	94%	70 - 130	11E0236	05-05-2011
1,4-Dichlorobenzene	9.29	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011
2,2,4-Trimethylpentane	10.8	0.50		ppbv	108%	70 - 130	11E0236	05-05-2011
2-Butanone (MEK)	9.83	1.00		ppbv	98%	70 - 130	11E0236	05-05-2011
2-Hexanone	12.0	1.00		ppbv	120%	70 - 130	11E0236	05-05-2011
2-Propanol	9.57	2.00		ppbv	96%	70 - 130	11E0236	05-05-2011
4-Ethyltoluene	10.5	0.50		ppbv	105%	70 - 130	11E0236	05-05-2011
4-Methyl-2-pentanone (MIBK)	11.2	1.00		ppbv	112%	70 - 130	11E0236	05-05-2011
Acetone	8.21	5.00		ppbv	82%	70 - 130	11E0236	05-05-2011
Allyl Chloride	9.95	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011
Benzene	9.38	0.50		ppbv	94%	70 - 130	11E0236	05-05-2011
Benzyl Chloride	8.86	2.00	N1	ppbv	89%	70 - 130	11E0236	05-05-2011
Bromodichloromethane	10.5	0.50		ppbv	105%	70 - 130	11E0236	05-05-2011
Bromoethene(Vinyl Bromide)	10.5	0.50		ppbv	105%	70 - 130	11E0236	05-05-2011
Bromoform	10.2	0.50		ppbv	102%	70 - 130	11E0236	05-05-2011
Bromomethane	9.56	0.50		ppbv	96%	70 - 130	11E0236	05-05-2011
Carbon disulfide	9.30	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011
Carbon tetrachloride	10.1	0.50		ppbv	101%	70 - 130	11E0236	05-05-2011
Chlorobenzene	10.0	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011
Chloroethane	9.12	0.50		ppbv	91%	70 - 130	11E0236	05-05-2011
Chloroform	9.70	0.50		ppbv	97%	70 - 130	11E0236	05-05-2011
Chloromethane	9.19	0.50		ppbv	92%	70 - 130	11E0236	05-05-2011
cis-1,2-Dichloroethene	9.40	0.50		ppbv	94%	70 - 130	11E0236	05-05-2011
cis-1,3-Dichloropropene	10.6	0.50		ppbv	106%	70 - 130	11E0236	05-05-2011
Cyclohexane	9.59	0.50		ppbv	96%	70 - 130	11E0236	05-05-2011
Dibromochloromethane	11.1	0.50		ppbv	111%	70 - 130	11E0236	05-05-2011
Dichlorodifluoromethane	10.0	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0236-BS1								
Dichlorotetrafluoroethane(F-114)	9.37	0.50		ppbv	94%	70 - 130	11E0236	05-05-2011
Ethyl Acetate	9.91	0.50		ppbv	99%	70 - 130	11E0236	05-05-2011
Ethylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0236	05-05-2011
Freon 113	9.65	0.50		ppbv	96%	70 - 130	11E0236	05-05-2011
Heptane	10.3	0.50	N1	ppbv	103%	70 - 130	11E0236	05-05-2011
Hexachlorobutadiene	10.1	1.00	N1	ppbv	101%	70 - 130	11E0236	05-05-2011
Hexane	9.34	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011
Isopropylbenzene	11.3	0.50		ppbv	113%	70 - 130	11E0236	05-05-2011
m,p-Xylenes	20.4	1.00		ppbv	102%	70 - 130	11E0236	05-05-2011
Methylene Chloride	9.12	0.50		ppbv	91%	70 - 130	11E0236	05-05-2011
Methyl-tert-butyl Ether (MTBE)	8.24	1.00		ppbv	82%	70 - 130	11E0236	05-05-2011
Naphthalene	9.82	5.00		ppbv	98%	70 - 130	11E0236	05-05-2011
n-Butylbenzene	9.80	0.50		ppbv	98%	70 - 130	11E0236	05-05-2011
n-Nonane (C9)	10.9	0.50		ppbv	109%	70 - 130	11E0236	05-05-2011
n-Octane (C8)	11.3	0.50		ppbv	113%	70 - 130	11E0236	05-05-2011
n-Propylbenzene	11.3	0.50		ppbv	113%	70 - 130	11E0236	05-05-2011
o-Xylene	10.4	0.50		ppbv	104%	70 - 130	11E0236	05-05-2011
Propene	9.33	0.50		ppbv	93%	70 - 130	11E0236	05-05-2011
sec-Butylbenzene	10.8	0.50		ppbv	108%	70 - 130	11E0236	05-05-2011
Styrene	10.7	0.50		ppbv	107%	70 - 130	11E0236	05-05-2011
tert-Butylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0236	05-05-2011
Tetrachloroethene	10.2	0.50		ppbv	102%	70 - 130	11E0236	05-05-2011
Tetrahydrofuran	9.89	2.00		ppbv	99%	70 - 130	11E0236	05-05-2011
Toluene	10.6	0.50		ppbv	106%	70 - 130	11E0236	05-05-2011
trans-1,2-Dichloroethene	9.66	0.50		ppbv	97%	70 - 130	11E0236	05-05-2011
trans-1,3-Dichloropropene	11.0	0.50		ppbv	110%	70 - 130	11E0236	05-05-2011
Trichloroethene	10.3	0.50		ppbv	103%	70 - 130	11E0236	05-05-2011
Trichlorofluoromethane	9.95	0.50		ppbv	100%	70 - 130	11E0236	05-05-2011
Vinyl Acetate	9.71	0.50		ppbv	97%	70 - 130	11E0236	05-05-2011
Vinyl chloride	9.13	0.50		ppbv	91%	70 - 130	11E0236	05-05-2011
Surrogate: 4-Bromofluorobenzene	10.6	0.50			106%	70 - 130	11E0236	05-05-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0236-BSD1												
1,1,1-Trichloroethane	9.41	0.50		ppbv	10.0	94%	70 - 130	0.2	30	11E0236		05-05-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0236-BSD1												
1,1,2,2-Tetrachloroethane	9.38	0.50		ppbv	10.0	94%	70 - 130	0.9	30	11E0236		05-05-2011
1,1,2-Trichloroethane	10.8	0.50		ppbv	10.0	108%	70 - 130	0.6	30	11E0236		05-05-2011
1,1-Dichloroethane	9.35	0.50		ppbv	10.0	94%	70 - 130	0.9	30	11E0236		05-05-2011
1,1-Dichloroethene	9.83	0.50		ppbv	10.0	98%	70 - 130	3	30	11E0236		05-05-2011
1,2,4-Trichlorobenzene	9.32	2.00	N1	ppbv	10.0	93%	70 - 130	0.6	30	11E0236		05-05-2011
1,2,4-Trimethylbenzene	10.1	0.50		ppbv	10.0	101%	70 - 130	0	30	11E0236		05-05-2011
1,2-Dibromoethane (EDB)	10.8	0.50		ppbv	10.0	108%	70 - 130	0.6	30	11E0236		05-05-2011
1,2-Dichlorobenzene	10.3	0.50		ppbv	10.0	103%	70 - 130	0.3	30	11E0236		05-05-2011
1,2-Dichloroethane	10.1	0.50		ppbv	10.0	101%	70 - 130	0.6	30	11E0236		05-05-2011
1,2-Dichloropropane	10.0	0.50		ppbv	10.0	100%	70 - 130	0	30	11E0236		05-05-2011
1,3,5-Trimethylbenzene	10.4	0.50		ppbv	10.0	104%	70 - 130	0.1	30	11E0236		05-05-2011
1,3-Butadiene	9.53	0.50		ppbv	10.0	95%	70 - 130	7	30	11E0236		05-05-2011
1,3-Dichlorobenzene	9.35	0.50		ppbv	10.0	94%	70 - 130	0.7	30	11E0236		05-05-2011
1,4-Dichlorobenzene	9.25	0.50		ppbv	10.0	92%	70 - 130	0.4	30	11E0236		05-05-2011
2,2,4-Trimethylpentane	10.5	0.50		ppbv	10.0	105%	70 - 130	3	30	11E0236		05-05-2011
2-Butanone (MEK)	10.2	1.00		ppbv	10.0	102%	70 - 130	4	30	11E0236		05-05-2011
2-Hexanone	12.3	1.00		ppbv	10.0	123%	70 - 130	3	30	11E0236		05-05-2011
2-Propanol	10.2	2.00		ppbv	10.0	102%	70 - 130	6	30	11E0236		05-05-2011
4-Ethyltoluene	10.5	0.50		ppbv	10.0	105%	70 - 130	0.4	30	11E0236		05-05-2011
4-Methyl-2-pentanone (MIBK)	11.5	1.00		ppbv	10.0	115%	70 - 130	3	30	11E0236		05-05-2011
Acetone	8.62	5.00		ppbv	10.0	86%	70 - 130	5	30	11E0236		05-05-2011
Allyl Chloride	10.2	0.50		ppbv	10.0	102%	70 - 130	2	30	11E0236		05-05-2011
Benzene	9.56	0.50		ppbv	10.0	96%	70 - 130	2	30	11E0236		05-05-2011
Benzyl Chloride	8.99	2.00	N1	ppbv	10.0	90%	70 - 130	1	30	11E0236		05-05-2011
Bromodichloromethane	10.4	0.50		ppbv	10.0	104%	70 - 130	1	30	11E0236		05-05-2011
Bromoethene(Vinyl Bromide)	11.1	0.50		ppbv	10.0	111%	70 - 130	5	30	11E0236		05-05-2011
Bromoform	10.2	0.50		ppbv	10.0	102%	70 - 130	0.1	30	11E0236		05-05-2011
Bromomethane	9.97	0.50		ppbv	10.0	100%	70 - 130	4	30	11E0236		05-05-2011
Carbon disulfide	9.43	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0236		05-05-2011
Carbon tetrachloride	10.2	0.50		ppbv	10.0	102%	70 - 130	0.3	30	11E0236		05-05-2011
Chlorobenzene	10.0	0.50		ppbv	10.0	100%	70 - 130	0.1	30	11E0236		05-05-2011
Chloroethane	9.62	0.50		ppbv	10.0	96%	70 - 130	5	30	11E0236		05-05-2011
Chloroform	9.61	0.50		ppbv	10.0	96%	70 - 130	0.9	30	11E0236		05-05-2011
Chloromethane	9.61	0.50		ppbv	10.0	96%	70 - 130	4	30	11E0236		05-05-2011
cis-1,2-Dichloroethene	9.45	0.50		ppbv	10.0	94%	70 - 130	0.5	30	11E0236		05-05-2011
cis-1,3-Dichloropropene	10.6	0.50		ppbv	10.0	106%	70 - 130	0.2	30	11E0236		05-05-2011
Cyclohexane	9.73	0.50		ppbv	10.0	97%	70 - 130	1	30	11E0236		05-05-2011
Dibromochloromethane	11.0	0.50		ppbv	10.0	110%	70 - 130	0.7	30	11E0236		05-05-2011
Dichlorodifluoromethane	10.3	0.50		ppbv	10.0	103%	70 - 130	3	30	11E0236		05-05-2011
Dichlorotetrafluoroethane(F-114)	9.70	0.50		ppbv	10.0	97%	70 - 130	3	30	11E0236		05-05-2011
Ethyl Acetate	10.4	0.50		ppbv	10.0	104%	70 - 130	5	30	11E0236		05-05-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0339
Project: Motorola Air
Project Number: Motorola 52

Received: 05/05/11
Reported: 05/09/11 14:34

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0236-BSD1												
Ethylbenzene	10.6	0.50		ppbv	10.0	106%	70 - 130	1	30	11E0236		05-05-2011
Freon 113	9.85	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0236		05-05-2011
Heptane	10.2	0.50	N1	ppbv	10.0	102%	70 - 130	0.6	30	11E0236		05-05-2011
Hexachlorobutadiene	10.2	1.00	N1	ppbv	10.0	102%	70 - 130	1	30	11E0236		05-05-2011
Hexane	9.50	0.50		ppbv	10.0	95%	70 - 130	2	30	11E0236		05-05-2011
Isopropylbenzene	11.5	0.50		ppbv	10.0	115%	70 - 130	2	30	11E0236		05-05-2011
m,p-Xylenes	20.6	1.00		ppbv	20.0	103%	70 - 130	1	30	11E0236		05-05-2011
Methylene Chloride	9.17	0.50		ppbv	10.0	92%	70 - 130	0.5	30	11E0236		05-05-2011
Methyl-tert-butyl Ether (MTBE)	8.85	1.00		ppbv	10.0	88%	70 - 130	7	30	11E0236		05-05-2011
Naphthalene	10.4	5.00		ppbv	10.0	104%	70 - 130	6	30	11E0236		05-05-2011
n-Butylbenzene	9.94	0.50		ppbv	10.0	99%	70 - 130	1	30	11E0236		05-05-2011
n-Nonane (C9)	11.1	0.50		ppbv	10.0	111%	70 - 130	2	30	11E0236		05-05-2011
n-Octane (C8)	11.3	0.50		ppbv	10.0	113%	70 - 130	0.4	30	11E0236		05-05-2011
n-Propylbenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	0.4	30	11E0236		05-05-2011
o-Xylene	10.5	0.50		ppbv	10.0	105%	70 - 130	0.8	30	11E0236		05-05-2011
Propene	9.73	0.50		ppbv	10.0	97%	70 - 130	4	30	11E0236		05-05-2011
sec-Butylbenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	0	30	11E0236		05-05-2011
Styrene	10.8	0.50		ppbv	10.0	108%	70 - 130	1	30	11E0236		05-05-2011
tert-Butylbenzene	11.0	0.50		ppbv	10.0	110%	70 - 130	0.3	30	11E0236		05-05-2011
Tetrachloroethene	9.73	0.50		ppbv	10.0	97%	70 - 130	4	30	11E0236		05-05-2011
Tetrahydrofuran	10.3	2.00		ppbv	10.0	103%	70 - 130	4	30	11E0236		05-05-2011
Toluene	10.6	0.50		ppbv	10.0	106%	70 - 130	0	30	11E0236		05-05-2011
trans-1,2-Dichloroethene	9.83	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0236		05-05-2011
trans-1,3-Dichloropropene	11.0	0.50		ppbv	10.0	110%	70 - 130	0	30	11E0236		05-05-2011
Trichloroethene	9.76	0.50		ppbv	10.0	98%	70 - 130	6	30	11E0236		05-05-2011
Trichlorofluoromethane	10.3	0.50		ppbv	10.0	103%	70 - 130	3	30	11E0236		05-05-2011
Vinyl Acetate	10.1	0.50		ppbv	10.0	101%	70 - 130	4	30	11E0236		05-05-2011
Vinyl chloride	9.67	0.50		ppbv	10.0	97%	70 - 130	6	30	11E0236		05-05-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50		ppbv	10.0	105%	70 - 130			11E0236		05-05-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0339	Received: 05/05/11
6155 E. Indian School Rd., Suite 200			Reported: 05/09/11 14:34
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0339	Received: 05/05/11
6155 E. Indian School Rd., Suite 200			Reported: 05/09/11 14:34
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.

ADDITIONAL COMMENTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

PVE0339

Client Contact Information	Project Manager: Todd Cruse
Company: Clear Creek Associates	Phone: 480-659-7131
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com
City/State/Zip Scottsdale, AZ 85251	Site Contact:
Phone: 480-659-7131	LAB Contact:
FAX: 480-659-7143	Analysis Turnaround Time
Project Name: Motorola 52	Standard (Specify)
Site:	Rush (Specify) 48hr
PO #	

Samples Collected By: Russell Granfors

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV11-15	5/5/11	1430	1432	0.4, 1.0, 6.0		1453	X										-61	
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Russell Granfors	Date/Time: 5/5/11 16:15	Received by:	
Relinquished by:	Date/Time: 5/5/11 16:15	Received by:	

20°C

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 10, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0422
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/06/11
Final Report:	05/10/11 09:50

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Vinyl Acetate and Benzyl Chloride exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV20-15	PUE0422-01	05/06/11	S/N 1428 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0422-01 (SV20-15)			**Sampling Time: min**					**Sampled: 05/06/11 08:34**	
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		9.9	5/7/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		9.9	5/7/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		9.9	5/7/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		9.9	5/7/2011	BB	EPA TO15
1,1-Dichloroethene	<5.0	5.0	<19.8	19.8		9.9	5/7/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<20	20	<148	148	N1	9.9	5/7/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<5.0	5.0	<24.6	24.6		9.9	5/7/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		9.9	5/7/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		9.9	5/7/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		9.9	5/7/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		9.9	5/7/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		9.9	5/7/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		9.9	5/7/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		9.9	5/7/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		9.9	5/7/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		9.9	5/7/2011	BB	EPA TO15
2-Butanone (MEK)	<9.9	9.9	<29.2	29.2		9.9	5/7/2011	BB	EPA TO15
2-Hexanone	<9.9	9.9	<40.6	40.6		9.9	5/7/2011	BB	EPA TO15
2-Propanol	**120**	**20**	**300**	**49.2**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		9.9	5/7/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<9.9	9.9	<40.6	40.6		9.9	5/7/2011	BB	EPA TO15
Acetone	<50	50	<119	119		9.9	5/7/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		9.9	5/7/2011	BB	EPA TO15
Benzene	<5.0	5.0	<16.0	16.0		9.9	5/7/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	N1	9.9	5/7/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		9.9	5/7/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		9.9	5/7/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		9.9	5/7/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		9.9	5/7/2011	BB	EPA TO15
Carbon disulfide	<5.0	5.0	<15.6	15.6		9.9	5/7/2011	BB	EPA TO15
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		9.9	5/7/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		9.9	5/7/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		9.9	5/7/2011	BB	EPA TO15
Chloroform	**66**	**5.0**	**320**	**24.4**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		9.9	5/7/2011	BB	EPA TO15
cis-1,2-Dichloroethene	**32**	**5.0**	**130**	**19.8**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		9.9	5/7/2011	BB	EPA TO15
Cyclohexane	<5.0	5.0	<17.2	17.2		9.9	5/7/2011	BB	EPA TO15
Dibromochloromethane	<5.0	5.0	<42.6	42.6		9.9	5/7/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.0	5.0	<24.7	24.7		9.9	5/7/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		9.9	5/7/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0		9.9	5/7/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		9.9	5/7/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0422-01 (SV20-15) - cont. — **Sampling Time: min** — **Sampled: 05/06/11 08:34**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	<5.0	5.0	<38.3	38.3		9.9	5/7/2011	BB	EPA TO15
Heptane	<5.0	5.0	<20.5	20.5		9.9	5/7/2011	BB	EPA TO15
Hexachlorobutadiene	<9.9	9.9	<106	106	N1	9.9	5/7/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		9.9	5/7/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		9.9	5/7/2011	BB	EPA TO15
m,p-Xylenes	<9.9	9.9	<43.0	43.0		9.9	5/7/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		9.9	5/7/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<9.9	9.9	<35.7	35.7		9.9	5/7/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262		9.9	5/7/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4		9.9	5/7/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		9.9	5/7/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		9.9	5/7/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		9.9	5/7/2011	BB	EPA TO15
o-Xylene	<5.0	5.0	<21.7	21.7		9.9	5/7/2011	BB	EPA TO15
Propene	**5.4**	**5.0**	**9.3**	**8.61**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<5.0	5.0	<27.4	27.4		9.9	5/7/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		9.9	5/7/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		9.9	5/7/2011	BB	EPA TO15
Tetrachloroethene	**8.8**	**5.0**	**60**	**33.9**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0		9.9	5/7/2011	BB	EPA TO15
Toluene	<5.0	5.0	<18.8	18.8		9.9	5/7/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		9.9	5/7/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		9.9	5/7/2011	BB	EPA TO15
Trichloroethene	**140**	**5.0**	**750**	**26.9**		**9.9**	**5/7/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<5.0	5.0	<28.1	28.1		9.9	5/7/2011	BB	EPA TO15
Vinyl Acetate	<5.0	5.0	<17.6	17.6	N1	9.9	5/7/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		9.9	5/7/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*103 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0266-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
2-Hexanone	<1.0	1.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
2-Propanol	<2.0	2.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
Acetone	<5.0	5.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Benzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Benzyl Chloride	<2.0	2.0	N1	ppbv	11E0266	11E0266-BLK1	05-06-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Bromoform	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Bromomethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Chloroethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Chloroform	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Chloromethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Cyclohexane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0266-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Freon 113	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Heptane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0266	11E0266-BLK1	05-06-2011
Hexane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
Naphthalene	<5.0	5.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
o-Xylene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Propene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Styrene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0266	11E0266-BLK1	05-06-2011
Toluene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Trichloroethene	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Vinyl Acetate	<0.50	0.50	N1	ppbv	11E0266	11E0266-BLK1	05-06-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0266	11E0266-BLK1	05-06-2011
Surrogate: 4-Bromofluorobenzene	102%				11E0266	11E0266-BLK1	05-06-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0266-BS1								
1,1,1-Trichloroethane	8.83	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
1,1,2,2-Tetrachloroethane	9.03	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0266-BS1								
1,1,2-Trichloroethane	10.1	0.50		ppbv	101%	70 - 130	11E0266	05-06-2011
1,1-Dichloroethane	8.86	0.50		ppbv	89%	70 - 130	11E0266	05-06-2011
1,1-Dichloroethene	9.19	0.50		ppbv	92%	70 - 130	11E0266	05-06-2011
1,2,4-Trichlorobenzene	9.22	2.00	N1	ppbv	92%	70 - 130	11E0266	05-06-2011
1,2,4-Trimethylbenzene	9.71	0.50		ppbv	97%	70 - 130	11E0266	05-06-2011
1,2-Dibromoethane (EDB)	9.98	0.50		ppbv	100%	70 - 130	11E0266	05-06-2011
1,2-Dichlorobenzene	9.72	0.50		ppbv	97%	70 - 130	11E0266	05-06-2011
1,2-Dichloroethane	9.37	0.50		ppbv	94%	70 - 130	11E0266	05-06-2011
1,2-Dichloropropane	9.59	0.50		ppbv	96%	70 - 130	11E0266	05-06-2011
1,3,5-Trimethylbenzene	10.0	0.50		ppbv	100%	70 - 130	11E0266	05-06-2011
1,3-Butadiene	8.85	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
1,3-Dichlorobenzene	8.87	0.50		ppbv	89%	70 - 130	11E0266	05-06-2011
1,4-Dichlorobenzene	8.75	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
2,2,4-Trimethylpentane	10.3	0.50		ppbv	103%	70 - 130	11E0266	05-06-2011
2-Butanone (MEK)	9.72	1.00		ppbv	97%	70 - 130	11E0266	05-06-2011
2-Hexanone	11.8	1.00		ppbv	118%	70 - 130	11E0266	05-06-2011
2-Propanol	9.93	2.00		ppbv	99%	70 - 130	11E0266	05-06-2011
4-Ethyltoluene	10.1	0.50		ppbv	101%	70 - 130	11E0266	05-06-2011
4-Methyl-2-pentanone (MIBK)	11.0	1.00		ppbv	110%	70 - 130	11E0266	05-06-2011
Acetone	8.07	5.00		ppbv	81%	70 - 130	11E0266	05-06-2011
Allyl Chloride	9.73	0.50		ppbv	97%	70 - 130	11E0266	05-06-2011
Benzene	9.10	0.50		ppbv	91%	70 - 130	11E0266	05-06-2011
Benzyl Chloride	8.49	2.00	N1	ppbv	85%	70 - 130	11E0266	05-06-2011
Bromodichloromethane	9.64	0.50		ppbv	96%	70 - 130	11E0266	05-06-2011
Bromoethene(Vinyl Bromide)	9.87	0.50		ppbv	99%	70 - 130	11E0266	05-06-2011
Bromoform	9.49	0.50		ppbv	95%	70 - 130	11E0266	05-06-2011
Bromomethane	8.99	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011
Carbon disulfide	8.82	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
Carbon tetrachloride	9.18	0.50		ppbv	92%	70 - 130	11E0266	05-06-2011
Chlorobenzene	9.62	0.50		ppbv	96%	70 - 130	11E0266	05-06-2011
Chloroethane	9.00	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011
Chloroform	9.07	0.50		ppbv	91%	70 - 130	11E0266	05-06-2011
Chloromethane	8.88	0.50		ppbv	89%	70 - 130	11E0266	05-06-2011
cis-1,2-Dichloroethene	9.02	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011
cis-1,3-Dichloropropene	9.96	0.50		ppbv	100%	70 - 130	11E0266	05-06-2011
Cyclohexane	9.36	0.50		ppbv	94%	70 - 130	11E0266	05-06-2011
Dibromochloromethane	10.1	0.50		ppbv	101%	70 - 130	11E0266	05-06-2011
Dichlorodifluoromethane	9.61	0.50		ppbv	96%	70 - 130	11E0266	05-06-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0266-BS1								
Dichlorotetrafluoroethane(F-114)	8.82	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
Ethyl Acetate	9.90	0.50		ppbv	99%	70 - 130	11E0266	05-06-2011
Ethylbenzene	10.2	0.50		ppbv	102%	70 - 130	11E0266	05-06-2011
Freon 113	9.09	0.50		ppbv	91%	70 - 130	11E0266	05-06-2011
Heptane	9.69	0.50		ppbv	97%	70 - 130	11E0266	05-06-2011
Hexachlorobutadiene	9.73	1.00	N1	ppbv	97%	70 - 130	11E0266	05-06-2011
Hexane	9.05	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011
Isopropylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0266	05-06-2011
m,p-Xylenes	20.3	1.00		ppbv	101%	70 - 130	11E0266	05-06-2011
Methylene Chloride	8.78	0.50		ppbv	88%	70 - 130	11E0266	05-06-2011
Methyl-tert-butyl Ether (MTBE)	9.10	1.00		ppbv	91%	70 - 130	11E0266	05-06-2011
Naphthalene	10.4	5.00		ppbv	104%	70 - 130	11E0266	05-06-2011
n-Butylbenzene	9.54	0.50		ppbv	95%	70 - 130	11E0266	05-06-2011
n-Nonane (C9)	10.8	0.50		ppbv	108%	70 - 130	11E0266	05-06-2011
n-Octane (C8)	10.7	0.50		ppbv	107%	70 - 130	11E0266	05-06-2011
n-Propylbenzene	10.9	0.50		ppbv	109%	70 - 130	11E0266	05-06-2011
o-Xylene	9.97	0.50		ppbv	100%	70 - 130	11E0266	05-06-2011
Propene	9.66	0.50		ppbv	97%	70 - 130	11E0266	05-06-2011
sec-Butylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0266	05-06-2011
Styrene	10.4	0.50		ppbv	104%	70 - 130	11E0266	05-06-2011
tert-Butylbenzene	10.6	0.50		ppbv	106%	70 - 130	11E0266	05-06-2011
Tetrachloroethene	9.19	0.50		ppbv	92%	70 - 130	11E0266	05-06-2011
Tetrahydrofuran	9.74	2.00		ppbv	97%	70 - 130	11E0266	05-06-2011
Toluene	9.97	0.50		ppbv	100%	70 - 130	11E0266	05-06-2011
trans-1,2-Dichloroethene	9.30	0.50		ppbv	93%	70 - 130	11E0266	05-06-2011
trans-1,3-Dichloropropene	10.3	0.50		ppbv	103%	70 - 130	11E0266	05-06-2011
Trichloroethene	9.42	0.50		ppbv	94%	70 - 130	11E0266	05-06-2011
Trichlorofluoromethane	8.69	0.50		ppbv	87%	70 - 130	11E0266	05-06-2011
Vinyl Acetate	9.64	0.50	N1	ppbv	96%	70 - 130	11E0266	05-06-2011
Vinyl chloride	9.00	0.50		ppbv	90%	70 - 130	11E0266	05-06-2011
Surrogate: 4-Bromofluorobenzene	10.4	0.50			104%	70 - 130	11E0266	05-06-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0266-BSD1												
1,1,1-Trichloroethane	9.78	0.50		ppbv	10.0	98%	70 - 130	10	30	11E0266		05-06-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0266-BSD1												
1,1,2,2-Tetrachloroethane	10.1	0.50		ppbv	10.0	101%	70 - 130	11	30	11E0266		05-06-2011
1,1,2-Trichloroethane	11.2	0.50		ppbv	10.0	112%	70 - 130	11	30	11E0266		05-06-2011
1,1-Dichloroethane	9.65	0.50		ppbv	10.0	96%	70 - 130	9	30	11E0266		05-06-2011
1,1-Dichloroethene	9.63	0.50		ppbv	10.0	96%	70 - 130	5	30	11E0266		05-06-2011
1,2,4-Trichlorobenzene	10.1	2.00	N1	ppbv	10.0	101%	70 - 130	9	30	11E0266		05-06-2011
1,2,4-Trimethylbenzene	10.8	0.50		ppbv	10.0	108%	70 - 130	11	30	11E0266		05-06-2011
1,2-Dibromoethane (EDB)	11.3	0.50		ppbv	10.0	113%	70 - 130	12	30	11E0266		05-06-2011
1,2-Dichlorobenzene	11.0	0.50		ppbv	10.0	110%	70 - 130	12	30	11E0266		05-06-2011
1,2-Dichloroethane	10.2	0.50		ppbv	10.0	102%	70 - 130	9	30	11E0266		05-06-2011
1,2-Dichloropropane	10.8	0.50		ppbv	10.0	108%	70 - 130	12	30	11E0266		05-06-2011
1,3,5-Trimethylbenzene	11.1	0.50		ppbv	10.0	111%	70 - 130	10	30	11E0266		05-06-2011
1,3-Butadiene	8.99	0.50		ppbv	10.0	90%	70 - 130	2	30	11E0266		05-06-2011
1,3-Dichlorobenzene	9.91	0.50		ppbv	10.0	99%	70 - 130	11	30	11E0266		05-06-2011
1,4-Dichlorobenzene	9.77	0.50		ppbv	10.0	98%	70 - 130	11	30	11E0266		05-06-2011
2,2,4-Trimethylpentane	11.5	0.50		ppbv	10.0	115%	70 - 130	11	30	11E0266		05-06-2011
2-Butanone (MEK)	10.4	1.00		ppbv	10.0	104%	70 - 130	7	30	11E0266		05-06-2011
2-Hexanone	12.8	1.00		ppbv	10.0	128%	70 - 130	8	30	11E0266		05-06-2011
2-Propanol	10.4	2.00		ppbv	10.0	104%	70 - 130	5	30	11E0266		05-06-2011
4-Ethyltoluene	11.2	0.50		ppbv	10.0	112%	70 - 130	10	30	11E0266		05-06-2011
4-Methyl-2-pentanone (MIBK)	12.0	1.00		ppbv	10.0	120%	70 - 130	8	30	11E0266		05-06-2011
Acetone	8.71	5.00		ppbv	10.0	87%	70 - 130	8	30	11E0266		05-06-2011
Allyl Chloride	10.7	0.50		ppbv	10.0	107%	70 - 130	10	30	11E0266		05-06-2011
Benzene	9.98	0.50		ppbv	10.0	100%	70 - 130	9	30	11E0266		05-06-2011
Benzyl Chloride	9.85	2.00	N1	ppbv	10.0	98%	70 - 130	15	30	11E0266		05-06-2011
Bromodichloromethane	10.8	0.50		ppbv	10.0	108%	70 - 130	11	30	11E0266		05-06-2011
Bromoethene(Vinyl Bromide)	10.2	0.50		ppbv	10.0	102%	70 - 130	3	30	11E0266		05-06-2011
Bromoform	10.5	0.50		ppbv	10.0	105%	70 - 130	10	30	11E0266		05-06-2011
Bromomethane	9.19	0.50		ppbv	10.0	92%	70 - 130	2	30	11E0266		05-06-2011
Carbon disulfide	9.18	0.50		ppbv	10.0	92%	70 - 130	4	30	11E0266		05-06-2011
Carbon tetrachloride	9.80	0.50		ppbv	10.0	98%	70 - 130	7	30	11E0266		05-06-2011
Chlorobenzene	10.7	0.50		ppbv	10.0	107%	70 - 130	10	30	11E0266		05-06-2011
Chloroethane	9.36	0.50		ppbv	10.0	94%	70 - 130	4	30	11E0266		05-06-2011
Chloroform	9.91	0.50		ppbv	10.0	99%	70 - 130	9	30	11E0266		05-06-2011
Chloromethane	8.98	0.50		ppbv	10.0	90%	70 - 130	1	30	11E0266		05-06-2011
cis-1,2-Dichloroethene	9.90	0.50		ppbv	10.0	99%	70 - 130	9	30	11E0266		05-06-2011
cis-1,3-Dichloropropene	11.2	0.50		ppbv	10.0	112%	70 - 130	12	30	11E0266		05-06-2011
Cyclohexane	10.0	0.50		ppbv	10.0	100%	70 - 130	7	30	11E0266		05-06-2011
Dibromochloromethane	11.3	0.50		ppbv	10.0	113%	70 - 130	11	30	11E0266		05-06-2011
Dichlorodifluoromethane	9.58	0.50		ppbv	10.0	96%	70 - 130	0.3	30	11E0266		05-06-2011
Dichlorotetrafluoroethane(F-114)	9.06	0.50		ppbv	10.0	91%	70 - 130	3	30	11E0266		05-06-2011
Ethyl Acetate	10.6	0.50		ppbv	10.0	106%	70 - 130	7	30	11E0266		05-06-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0422
Project: Motorola Air
Project Number: Motorola 52

Received: 05/06/11
Reported: 05/10/11 09:50

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0266-BSD1												
Ethylbenzene	11.2	0.50		ppbv	10.0	112%	70 - 130	10	30	11E0266		05-06-2011
Freon 113	9.54	0.50		ppbv	10.0	95%	70 - 130	5	30	11E0266		05-06-2011
Heptane	10.6	0.50		ppbv	10.0	106%	70 - 130	9	30	11E0266		05-06-2011
Hexachlorobutadiene	10.4	1.00	N1	ppbv	10.0	104%	70 - 130	6	30	11E0266		05-06-2011
Hexane	9.63	0.50		ppbv	10.0	96%	70 - 130	6	30	11E0266		05-06-2011
Isopropylbenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	10	30	11E0266		05-06-2011
m,p-Xylenes	22.4	1.00		ppbv	20.0	112%	70 - 130	10	30	11E0266		05-06-2011
Methylene Chloride	9.23	0.50		ppbv	10.0	92%	70 - 130	5	30	11E0266		05-06-2011
Methyl-tert-butyl Ether (MTBE)	9.86	1.00		ppbv	10.0	99%	70 - 130	8	30	11E0266		05-06-2011
Naphthalene	11.0	5.00		ppbv	10.0	110%	70 - 130	6	30	11E0266		05-06-2011
n-Butylbenzene	10.4	0.50		ppbv	10.0	104%	70 - 130	9	30	11E0266		05-06-2011
n-Nonane (C9)	11.9	0.50		ppbv	10.0	119%	70 - 130	10	30	11E0266		05-06-2011
n-Octane (C8)	12.1	0.50		ppbv	10.0	121%	70 - 130	12	30	11E0266		05-06-2011
n-Propylbenzene	12.0	0.50		ppbv	10.0	120%	70 - 130	10	30	11E0266		05-06-2011
o-Xylene	11.0	0.50		ppbv	10.0	110%	70 - 130	10	30	11E0266		05-06-2011
Propene	9.72	0.50		ppbv	10.0	97%	70 - 130	0.6	30	11E0266		05-06-2011
sec-Butylbenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	11	30	11E0266		05-06-2011
Styrene	11.6	0.50		ppbv	10.0	116%	70 - 130	11	30	11E0266		05-06-2011
tert-Butylbenzene	11.8	0.50		ppbv	10.0	118%	70 - 130	10	30	11E0266		05-06-2011
Tetrachloroethene	10.2	0.50		ppbv	10.0	102%	70 - 130	11	30	11E0266		05-06-2011
Tetrahydrofuran	10.6	2.00		ppbv	10.0	106%	70 - 130	9	30	11E0266		05-06-2011
Toluene	11.2	0.50		ppbv	10.0	112%	70 - 130	11	30	11E0266		05-06-2011
trans-1,2-Dichloroethene	9.90	0.50		ppbv	10.0	99%	70 - 130	6	30	11E0266		05-06-2011
trans-1,3-Dichloropropene	11.7	0.50		ppbv	10.0	117%	70 - 130	13	30	11E0266		05-06-2011
Trichloroethene	10.5	0.50		ppbv	10.0	105%	70 - 130	11	30	11E0266		05-06-2011
Trichlorofluoromethane	8.88	0.50		ppbv	10.0	89%	70 - 130	2	30	11E0266		05-06-2011
Vinyl Acetate	10.6	0.50	N1	ppbv	10.0	106%	70 - 130	9	30	11E0266		05-06-2011
Vinyl chloride	9.11	0.50		ppbv	10.0	91%	70 - 130	1	30	11E0266		05-06-2011
Surrogate: 4-Bromofluorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130			11E0266		05-06-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0422	Received: 05/06/11
6155 E. Indian School Rd., Suite 200			Reported: 05/10/11 09:50
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0422	Received: 05/06/11
6155 E. Indian School Rd., Suite 200			Reported: 05/10/11 09:50
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.

ADDITIONAL COMMENTS

PVE 0422

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	**Project Manager:** Todd Cruse	Page 1 of 1 COCs
Company: Clear Creek Associates	**Phone:** 480-659-7131	**Samples Collected By:** Russell Granfors
Address: 6155 B Indian School	**Email:** TCruse@Clearcreekassociates.com	
City/State/Zip Scottsdale AZ 85251	**Site Contact:**	
Phone: 480-659-7131	**LAB Contact:**	
FAX: 480-659-7143	**Analysis Turnaround Time**	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify) 48	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV20-15	5/6/11	0832	0834	0.4, 1.0, 6.0		1428	X										—	61
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Russell Granfors	Date/Time: 5/6/11 1626	Received by:	
Relinquished by:	Date/Time:	Received by: 5/6/11 1626	20.0°C Ambo

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 12, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0477
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/09/11
Final Report:	05/12/11 15:46

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. 1,2,4-Trichlorobenzene and Hexachlorobutadiene exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside labortory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV18-15	PUE0477-01	05/09/11	S/N 1707 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0477-01RE1 (SV18-15)			**Sampling Time: min**					**Sampled: 05/09/11 12:12**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/11/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	5/11/2011	BB	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/11/2011	BB	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/11/2011	BB	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/11/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8	N1	1.0	5/11/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/11/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	5/11/2011	BB	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/11/2011	BB	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/11/2011	BB	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	5/11/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/11/2011	BB	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.11	1.11		1.0	5/11/2011	BB	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/11/2011	BB	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/11/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	5/11/2011	BB	EPA TO15
2-Butanone (MEK)	**1.0**	**1.0**	**3.0**	**2.95**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.10	4.10		1.0	5/11/2011	BB	EPA TO15
2-Propanol	**2.0**	**2.0**	**4.9**	**4.92**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.46	2.46		1.0	5/11/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	5/11/2011	BB	EPA TO15
Acetone	**8.0**	**5.0**	**19**	**11.9**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	5/11/2011	BB	EPA TO15
Benzene	<0.50	0.50	<1.60	1.60		1.0	5/11/2011	BB	EPA TO15
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	5/11/2011	BB	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	5/11/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	5/11/2011	BB	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	5/11/2011	BB	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	5/11/2011	BB	EPA TO15
Carbon disulfide	<0.50	0.50	<1.56	1.56		1.0	5/11/2011	BB	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	5/11/2011	BB	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	5/11/2011	BB	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	5/11/2011	BB	EPA TO15
Chloroform	**4.3**	**0.50**	**21**	**2.44**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	5/11/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/11/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/11/2011	BB	EPA TO15
Cyclohexane	**4.2**	**0.50**	**15**	**1.72**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	5/11/2011	BB	EPA TO15
Dichlorodifluoromethane	**2.4**	**0.50**	**12**	**2.47**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	5/11/2011	BB	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	5/11/2011	BB	EPA TO15
Ethylbenzene	<0.50	0.50	<2.17	2.17		1.0	5/11/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0477-01RE1 (SV18-15) - cont. — **Sampling Time: min** — **Sampled: 05/09/11 12:12**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	**2.3**	**0.50**	**18**	**3.83**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Heptane	<0.50	0.50	<2.05	2.05		1.0	5/11/2011	BB	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7	N1	1.0	5/11/2011	BB	EPA TO15
Hexane	<0.50	0.50	<1.76	1.76		1.0	5/11/2011	BB	EPA TO15
Isopropylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/11/2011	BB	EPA TO15
m,p-Xylenes	<1.0	1.0	<4.34	4.34		1.0	5/11/2011	BB	EPA TO15
Methylene Chloride	<0.50	0.50	<1.74	1.74		1.0	5/11/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	5/11/2011	BB	EPA TO15
Naphthalene	<5.0	5.0	<26.2	26.2		1.0	5/11/2011	BB	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/11/2011	BB	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.62	2.62		1.0	5/11/2011	BB	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.34	2.34		1.0	5/11/2011	BB	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/11/2011	BB	EPA TO15
o-Xylene	<0.50	0.50	<2.17	2.17		1.0	5/11/2011	BB	EPA TO15
Propene	<0.50	0.50	<0.861	0.861		1.0	5/11/2011	BB	EPA TO15
sec-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/11/2011	BB	EPA TO15
Styrene	<0.50	0.50	<2.13	2.13		1.0	5/11/2011	BB	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.74	2.74		1.0	5/11/2011	BB	EPA TO15
Tetrachloroethene	**23**	**0.50**	**160**	**3.39**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	5/11/2011	BB	EPA TO15
Toluene	<0.50	0.50	<1.88	1.88		1.0	5/11/2011	BB	EPA TO15
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/11/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/11/2011	BB	EPA TO15
Trichloroethene	**1.5**	**0.50**	**8.1**	**2.69**		**1.0**	**5/11/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.81	2.81		1.0	5/11/2011	BB	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	5/11/2011	BB	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	5/11/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*105 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0440-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
2-Hexanone	<1.0	1.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
2-Propanol	<2.0	2.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Acetone	<5.0	5.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Benzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Benzyl Chloride	<2.0	2.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Bromoform	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Bromomethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Chloroethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Chloroform	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Chloromethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Cyclohexane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0440-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Freon 113	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Heptane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0440	11E0440-BLK1	05-11-2011
Hexane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Naphthalene	<5.0	5.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
o-Xylene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Propene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Styrene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0440	11E0440-BLK1	05-11-2011
Toluene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Trichloroethene	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Vinyl Acetate	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0440	11E0440-BLK1	05-11-2011
Surrogate: 4-Bromofluorobenzene	99%				11E0440	11E0440-BLK1	05-11-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0440-BS1								
1,1,1-Trichloroethane	8.93	0.50		ppbv	89%	70 - 130	11E0440	05-11-2011
1,1,2,2-Tetrachloroethane	8.86	0.50		ppbv	89%	70 - 130	11E0440	05-11-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0440-BS1								
1,1,2-Trichloroethane	9.77	0.50		ppbv	98%	70 - 130	11E0440	05-11-2011
1,1-Dichloroethane	8.46	0.50		ppbv	85%	70 - 130	11E0440	05-11-2011
1,1-Dichloroethene	8.68	0.50		ppbv	87%	70 - 130	11E0440	05-11-2011
1,2,4-Trichlorobenzene	9.29	2.00	N1	ppbv	93%	70 - 130	11E0440	05-11-2011
1,2,4-Trimethylbenzene	9.65	0.50		ppbv	96%	70 - 130	11E0440	05-11-2011
1,2-Dibromoethane (EDB)	9.84	0.50		ppbv	98%	70 - 130	11E0440	05-11-2011
1,2-Dichlorobenzene	9.82	0.50		ppbv	98%	70 - 130	11E0440	05-11-2011
1,2-Dichloroethane	9.23	0.50		ppbv	92%	70 - 130	11E0440	05-11-2011
1,2-Dichloropropane	9.02	0.50		ppbv	90%	70 - 130	11E0440	05-11-2011
1,3,5-Trimethylbenzene	9.91	0.50		ppbv	99%	70 - 130	11E0440	05-11-2011
1,3-Butadiene	8.28	0.50		ppbv	83%	70 - 130	11E0440	05-11-2011
1,3-Dichlorobenzene	9.07	0.50		ppbv	91%	70 - 130	11E0440	05-11-2011
1,4-Dichlorobenzene	8.88	0.50		ppbv	89%	70 - 130	11E0440	05-11-2011
2,2,4-Trimethylpentane	9.67	0.50		ppbv	97%	70 - 130	11E0440	05-11-2011
2-Butanone (MEK)	8.85	1.00		ppbv	88%	70 - 130	11E0440	05-11-2011
2-Hexanone	10.9	1.00		ppbv	109%	70 - 130	11E0440	05-11-2011
2-Propanol	8.89	2.00		ppbv	89%	70 - 130	11E0440	05-11-2011
4-Ethyltoluene	9.93	0.50		ppbv	99%	70 - 130	11E0440	05-11-2011
4-Methyl-2-pentanone (MIBK)	10.2	1.00		ppbv	102%	70 - 130	11E0440	05-11-2011
Acetone	8.14	5.00		ppbv	81%	70 - 130	11E0440	05-11-2011
Allyl Chloride	9.07	0.50		ppbv	91%	70 - 130	11E0440	05-11-2011
Benzene	8.50	0.50		ppbv	85%	70 - 130	11E0440	05-11-2011
Benzyl Chloride	8.66	2.00		ppbv	87%	70 - 130	11E0440	05-11-2011
Bromodichloromethane	9.60	0.50		ppbv	96%	70 - 130	11E0440	05-11-2011
Bromoethene(Vinyl Bromide)	9.86	0.50		ppbv	99%	70 - 130	11E0440	05-11-2011
Bromoform	9.72	0.50		ppbv	97%	70 - 130	11E0440	05-11-2011
Bromomethane	8.78	0.50		ppbv	88%	70 - 130	11E0440	05-11-2011
Carbon disulfide	8.30	0.50		ppbv	83%	70 - 130	11E0440	05-11-2011
Carbon tetrachloride	9.37	0.50		ppbv	94%	70 - 130	11E0440	05-11-2011
Chlorobenzene	9.33	0.50		ppbv	93%	70 - 130	11E0440	05-11-2011
Chloroethane	8.42	0.50		ppbv	84%	70 - 130	11E0440	05-11-2011
Chloroform	9.00	0.50		ppbv	90%	70 - 130	11E0440	05-11-2011
Chloromethane	8.47	0.50		ppbv	85%	70 - 130	11E0440	05-11-2011
cis-1,2-Dichloroethene	8.59	0.50		ppbv	86%	70 - 130	11E0440	05-11-2011
cis-1,3-Dichloropropene	9.58	0.50		ppbv	96%	70 - 130	11E0440	05-11-2011
Cyclohexane	8.66	0.50		ppbv	87%	70 - 130	11E0440	05-11-2011
Dibromochloromethane	10.2	0.50		ppbv	102%	70 - 130	11E0440	05-11-2011
Dichlorodifluoromethane	9.41	0.50		ppbv	94%	70 - 130	11E0440	05-11-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0440-BS1								
Dichlorotetrafluoroethane(F-114)	8.60	0.50		ppbv	86%	70 - 130	11E0440	05-11-2011
Ethyl Acetate	9.13	0.50		ppbv	91%	70 - 130	11E0440	05-11-2011
Ethylbenzene	9.78	0.50		ppbv	98%	70 - 130	11E0440	05-11-2011
Freon 113	8.69	0.50		ppbv	87%	70 - 130	11E0440	05-11-2011
Heptane	9.41	0.50		ppbv	94%	70 - 130	11E0440	05-11-2011
Hexachlorobutadiene	10.0	1.00	N1	ppbv	100%	70 - 130	11E0440	05-11-2011
Hexane	8.30	0.50		ppbv	83%	70 - 130	11E0440	05-11-2011
Isopropylbenzene	10.7	0.50		ppbv	107%	70 - 130	11E0440	05-11-2011
m,p-Xylenes	19.1	1.00		ppbv	95%	70 - 130	11E0440	05-11-2011
Methylene Chloride	8.30	0.50		ppbv	83%	70 - 130	11E0440	05-11-2011
Methyl-tert-butyl Ether (MTBE)	7.70	1.00		ppbv	77%	70 - 130	11E0440	05-11-2011
Naphthalene	9.98	5.00		ppbv	100%	70 - 130	11E0440	05-11-2011
n-Butylbenzene	9.30	0.50		ppbv	93%	70 - 130	11E0440	05-11-2011
n-Nonane (C9)	10.3	0.50		ppbv	103%	70 - 130	11E0440	05-11-2011
n-Octane (C8)	10.3	0.50		ppbv	103%	70 - 130	11E0440	05-11-2011
n-Propylbenzene	10.6	0.50		ppbv	106%	70 - 130	11E0440	05-11-2011
o-Xylene	9.79	0.50		ppbv	98%	70 - 130	11E0440	05-11-2011
Propene	8.46	0.50		ppbv	85%	70 - 130	11E0440	05-11-2011
sec-Butylbenzene	10.3	0.50		ppbv	103%	70 - 130	11E0440	05-11-2011
Styrene	10.0	0.50		ppbv	100%	70 - 130	11E0440	05-11-2011
tert-Butylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0440	05-11-2011
Tetrachloroethene	9.32	0.50		ppbv	93%	70 - 130	11E0440	05-11-2011
Tetrahydrofuran	9.00	2.00		ppbv	90%	70 - 130	11E0440	05-11-2011
Toluene	9.54	0.50		ppbv	95%	70 - 130	11E0440	05-11-2011
trans-1,2-Dichloroethene	8.72	0.50		ppbv	87%	70 - 130	11E0440	05-11-2011
trans-1,3-Dichloropropene	9.99	0.50		ppbv	100%	70 - 130	11E0440	05-11-2011
Trichloroethene	9.33	0.50		ppbv	93%	70 - 130	11E0440	05-11-2011
Trichlorofluoromethane	9.55	0.50		ppbv	96%	70 - 130	11E0440	05-11-2011
Vinyl Acetate	8.87	0.50		ppbv	89%	70 - 130	11E0440	05-11-2011
Vinyl chloride	8.36	0.50		ppbv	84%	70 - 130	11E0440	05-11-2011
Surrogate: 4-Bromofluorobenzene	10.5	0.50			105%	70 - 130	11E0440	05-11-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0440-BSD1												
1,1,1-Trichloroethane	8.60	0.50		ppbv	10.0	86%	70 - 130	4	30	11E0440		05-11-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0440-BSD1												
1,1,2,2-Tetrachloroethane	8.59	0.50		ppbv	10.0	86%	70 - 130	3	30	11E0440		05-11-2011
1,1,2-Trichloroethane	9.32	0.50		ppbv	10.0	93%	70 - 130	5	30	11E0440		05-11-2011
1,1-Dichloroethane	8.17	0.50		ppbv	10.0	82%	70 - 130	3	30	11E0440		05-11-2011
1,1-Dichloroethene	8.66	0.50		ppbv	10.0	87%	70 - 130	0.2	30	11E0440		05-11-2011
1,2,4-Trichlorobenzene	8.70	2.00	N1	ppbv	10.0	87%	70 - 130	7	30	11E0440		05-11-2011
1,2,4-Trimethylbenzene	9.25	0.50		ppbv	10.0	92%	70 - 130	4	30	11E0440		05-11-2011
1,2-Dibromoethane (EDB)	9.32	0.50		ppbv	10.0	93%	70 - 130	5	30	11E0440		05-11-2011
1,2-Dichlorobenzene	9.38	0.50		ppbv	10.0	94%	70 - 130	5	30	11E0440		05-11-2011
1,2-Dichloroethane	8.88	0.50		ppbv	10.0	89%	70 - 130	4	30	11E0440		05-11-2011
1,2-Dichloropropane	8.65	0.50		ppbv	10.0	86%	70 - 130	4	30	11E0440		05-11-2011
1,3,5-Trimethylbenzene	9.51	0.50		ppbv	10.0	95%	70 - 130	4	30	11E0440		05-11-2011
1,3-Butadiene	8.45	0.50		ppbv	10.0	84%	70 - 130	2	30	11E0440		05-11-2011
1,3-Dichlorobenzene	8.62	0.50		ppbv	10.0	86%	70 - 130	5	30	11E0440		05-11-2011
1,4-Dichlorobenzene	8.48	0.50		ppbv	10.0	85%	70 - 130	5	30	11E0440		05-11-2011
2,2,4-Trimethylpentane	9.33	0.50		ppbv	10.0	93%	70 - 130	4	30	11E0440		05-11-2011
2-Butanone (MEK)	8.73	1.00		ppbv	10.0	87%	70 - 130	1	30	11E0440		05-11-2011
2-Hexanone	10.9	1.00		ppbv	10.0	109%	70 - 130	0.2	30	11E0440		05-11-2011
2-Propanol	9.13	2.00		ppbv	10.0	91%	70 - 130	3	30	11E0440		05-11-2011
4-Ethyltoluene	9.52	0.50		ppbv	10.0	95%	70 - 130	4	30	11E0440		05-11-2011
4-Methyl-2-pentanone (MIBK)	9.97	1.00		ppbv	10.0	100%	70 - 130	2	30	11E0440		05-11-2011
Acetone	7.69	5.00		ppbv	10.0	77%	70 - 130	6	30	11E0440		05-11-2011
Allyl Chloride	8.84	0.50		ppbv	10.0	88%	70 - 130	3	30	11E0440		05-11-2011
Benzene	8.21	0.50		ppbv	10.0	82%	70 - 130	3	30	11E0440		05-11-2011
Benzyl Chloride	8.33	2.00		ppbv	10.0	83%	70 - 130	4	30	11E0440		05-11-2011
Bromodichloromethane	9.15	0.50		ppbv	10.0	92%	70 - 130	5	30	11E0440		05-11-2011
Bromoethene(Vinyl Bromide)	9.95	0.50		ppbv	10.0	100%	70 - 130	0.9	30	11E0440		05-11-2011
Bromoform	9.27	0.50		ppbv	10.0	93%	70 - 130	5	30	11E0440		05-11-2011
Bromomethane	8.99	0.50		ppbv	10.0	90%	70 - 130	2	30	11E0440		05-11-2011
Carbon disulfide	8.36	0.50		ppbv	10.0	84%	70 - 130	0.7	30	11E0440		05-11-2011
Carbon tetrachloride	9.18	0.50		ppbv	10.0	92%	70 - 130	2	30	11E0440		05-11-2011
Chlorobenzene	8.92	0.50		ppbv	10.0	89%	70 - 130	4	30	11E0440		05-11-2011
Chloroethane	8.55	0.50		ppbv	10.0	86%	70 - 130	2	30	11E0440		05-11-2011
Chloroform	8.71	0.50		ppbv	10.0	87%	70 - 130	3	30	11E0440		05-11-2011
Chloromethane	8.61	0.50		ppbv	10.0	86%	70 - 130	2	30	11E0440		05-11-2011
cis-1,2-Dichloroethene	8.34	0.50		ppbv	10.0	83%	70 - 130	3	30	11E0440		05-11-2011
cis-1,3-Dichloropropene	9.12	0.50		ppbv	10.0	91%	70 - 130	5	30	11E0440		05-11-2011
Cyclohexane	8.49	0.50		ppbv	10.0	85%	70 - 130	2	30	11E0440		05-11-2011
Dibromochloromethane	9.74	0.50		ppbv	10.0	97%	70 - 130	5	30	11E0440		05-11-2011
Dichlorodifluoromethane	9.50	0.50		ppbv	10.0	95%	70 - 130	1	30	11E0440		05-11-2011
Dichlorotetrafluoroethane(F-114)	8.70	0.50		ppbv	10.0	87%	70 - 130	1	30	11E0440		05-11-2011
Ethyl Acetate	9.02	0.50		ppbv	10.0	90%	70 - 130	1	30	11E0440		05-11-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0477
Project: Motorola Air
Project Number: Motorola 52

Received: 05/09/11
Reported: 05/12/11 15:46

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0440-BSD1												
Ethylbenzene	9.36	0.50		ppbv	10.0	94%	70 - 130	4	30	11E0440		05-11-2011
Freon 113	8.60	0.50		ppbv	10.0	86%	70 - 130	1	30	11E0440		05-11-2011
Heptane	9.04	0.50		ppbv	10.0	90%	70 - 130	4	30	11E0440		05-11-2011
Hexachlorobutadiene	9.27	1.00	N1	ppbv	10.0	93%	70 - 130	8	30	11E0440		05-11-2011
Hexane	8.21	0.50		ppbv	10.0	82%	70 - 130	1	30	11E0440		05-11-2011
Isopropylbenzene	10.3	0.50		ppbv	10.0	103%	70 - 130	4	30	11E0440		05-11-2011
m,p-Xylenes	18.3	1.00		ppbv	20.0	92%	70 - 130	4	30	11E0440		05-11-2011
Methylene Chloride	8.18	0.50		ppbv	10.0	82%	70 - 130	1	30	11E0440		05-11-2011
Methyl-tert-butyl Ether (MTBE)	7.73	1.00		ppbv	10.0	77%	70 - 130	0.4	30	11E0440		05-11-2011
Naphthalene	9.44	5.00		ppbv	10.0	94%	70 - 130	6	30	11E0440		05-11-2011
n-Butylbenzene	8.97	0.50		ppbv	10.0	90%	70 - 130	4	30	11E0440		05-11-2011
n-Nonane (C9)	9.89	0.50		ppbv	10.0	99%	70 - 130	4	30	11E0440		05-11-2011
n-Octane (C8)	9.83	0.50		ppbv	10.0	98%	70 - 130	5	30	11E0440		05-11-2011
n-Propylbenzene	10.1	0.50		ppbv	10.0	101%	70 - 130	5	30	11E0440		05-11-2011
o-Xylene	9.40	0.50		ppbv	10.0	94%	70 - 130	4	30	11E0440		05-11-2011
Propene	8.77	0.50		ppbv	10.0	88%	70 - 130	4	30	11E0440		05-11-2011
sec-Butylbenzene	9.84	0.50		ppbv	10.0	98%	70 - 130	5	30	11E0440		05-11-2011
Styrene	9.64	0.50		ppbv	10.0	96%	70 - 130	4	30	11E0440		05-11-2011
tert-Butylbenzene	10.0	0.50		ppbv	10.0	100%	70 - 130	4	30	11E0440		05-11-2011
Tetrachloroethene	8.88	0.50		ppbv	10.0	89%	70 - 130	5	30	11E0440		05-11-2011
Tetrahydrofuran	8.79	2.00		ppbv	10.0	88%	70 - 130	2	30	11E0440		05-11-2011
Toluene	9.16	0.50		ppbv	10.0	92%	70 - 130	4	30	11E0440		05-11-2011
trans-1,2-Dichloroethene	8.61	0.50		ppbv	10.0	86%	70 - 130	1	30	11E0440		05-11-2011
trans-1,3-Dichloropropene	9.52	0.50		ppbv	10.0	95%	70 - 130	5	30	11E0440		05-11-2011
Trichloroethene	8.95	0.50		ppbv	10.0	90%	70 - 130	4	30	11E0440		05-11-2011
Trichlorofluoromethane	9.50	0.50		ppbv	10.0	95%	70 - 130	0.5	30	11E0440		05-11-2011
Vinyl Acetate	8.72	0.50		ppbv	10.0	87%	70 - 130	2	30	11E0440		05-11-2011
Vinyl chloride	8.47	0.50		ppbv	10.0	85%	70 - 130	1	30	11E0440		05-11-2011
Surrogate: 4-Bromofluorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130			11E0440		05-11-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0477	Received: 05/09/11
6155 E. Indian School Rd., Suite 200			Reported: 05/12/11 15:46
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0477	Received: 05/09/11
6155 E. Indian School Rd., Suite 200			Reported: 05/12/11 15:46
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Russell Granfors
Company: Clear Creek Associates	Phone: 480-659-7131	
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify) 48hr	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV18-15	5/9/11	1210	1212	0.4, 1.0, 6.0		1707	X				PVE0477-01							
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Russell Granfors	Date/Time: 5/9/11 1540	Received by:	20.0 °C/thermb
Relinquished by:	Date/Time:	Received by: 5/9/11 1540	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 18, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE0950
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/16/11
Final Report:	05/18/11 12:36

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. 1,2,4-Trichlorobenzene, Benzyl Chloride and Hexachlorobutadiene exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED:No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV49-15	PUE0950-01	05/16/11	S/N 2508 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE0950-01 (SV49-15)			**Sampling Time: min**					**Sampled: 05/16/11 13:21**	
1,1,1-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/18/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<5.0	5.0	<34.3	34.3		10	5/18/2011	BB	EPA TO15
1,1,2-Trichloroethane	<5.0	5.0	<27.3	27.3		10	5/18/2011	BB	EPA TO15
1,1-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/18/2011	BB	EPA TO15
1,1-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/18/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<20	20	<148	148	N1	10	5/18/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	**7.5**	**5.0**	**37**	**24.6**		**10**	**5/18/2011**	**BB**	**EPA TO15**
1,2-Dibromoethane (EDB)	<5.0	5.0	<38.4	38.4		10	5/18/2011	BB	EPA TO15
1,2-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/18/2011	BB	EPA TO15
1,2-Dichloroethane	<5.0	5.0	<20.2	20.2		10	5/18/2011	BB	EPA TO15
1,2-Dichloropropane	<5.0	5.0	<23.1	23.1		10	5/18/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<5.0	5.0	<24.6	24.6		10	5/18/2011	BB	EPA TO15
1,3-Butadiene	<5.0	5.0	<11.1	11.1		10	5/18/2011	BB	EPA TO15
1,3-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/18/2011	BB	EPA TO15
1,4-Dichlorobenzene	<5.0	5.0	<30.1	30.1		10	5/18/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<5.0	5.0	<23.4	23.4		10	5/18/2011	BB	EPA TO15
2-Butanone (MEK)	<10	10	<29.5	29.5		10	5/18/2011	BB	EPA TO15
2-Hexanone	<10	10	<41.0	41.0		10	5/18/2011	BB	EPA TO15
2-Propanol	**120**	**20**	**300**	**49.2**		**10**	**5/18/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<5.0	5.0	<24.6	24.6		10	5/18/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<10	10	<41.0	41.0		10	5/18/2011	BB	EPA TO15
Acetone	<50	50	<119	119		10	5/18/2011	BB	EPA TO15
Allyl Chloride	<5.0	5.0	<15.6	15.6		10	5/18/2011	BB	EPA TO15
Benzene	<5.0	5.0	<16.0	16.0		10	5/18/2011	BB	EPA TO15
Benzyl Chloride	<20	20	<104	104	N1	10	5/18/2011	BB	EPA TO15
Bromodichloromethane	<5.0	5.0	<33.5	33.5		10	5/18/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<5.0	5.0	<21.9	21.9		10	5/18/2011	BB	EPA TO15
Bromoform	<5.0	5.0	<51.7	51.7		10	5/18/2011	BB	EPA TO15
Bromomethane	<5.0	5.0	<19.4	19.4		10	5/18/2011	BB	EPA TO15
Carbon disulfide	**5.2**	**5.0**	**16**	**15.6**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Carbon tetrachloride	<5.0	5.0	<31.5	31.5		10	5/18/2011	BB	EPA TO15
Chlorobenzene	<5.0	5.0	<23.0	23.0		10	5/18/2011	BB	EPA TO15
Chloroethane	<5.0	5.0	<13.2	13.2		10	5/18/2011	BB	EPA TO15
Chloroform	**22**	**5.0**	**110**	**24.4**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Chloromethane	<5.0	5.0	<10.3	10.3		10	5/18/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/18/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/18/2011	BB	EPA TO15
Cyclohexane	<5.0	5.0	<17.2	17.2		10	5/18/2011	BB	EPA TO15
Dibromochloromethane	<5.0	5.0	<42.6	42.6		10	5/18/2011	BB	EPA TO15
Dichlorodifluoromethane	<5.0	5.0	<24.7	24.7		10	5/18/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<5.0	5.0	<35.0	35.0		10	5/18/2011	BB	EPA TO15
Ethyl Acetate	<5.0	5.0	<18.0	18.0		10	5/18/2011	BB	EPA TO15
Ethylbenzene	<5.0	5.0	<21.7	21.7		10	5/18/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE0950-01 (SV49-15) - cont. — **Sampling Time: min** — **Sampled: 05/16/11 13:21**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	**9.7**	**5.0**	**74**	**38.3**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Heptane	<5.0	5.0	<20.5	20.5		10	5/18/2011	BB	EPA TO15
Hexachlorobutadiene	<10	10	<107	107	N1	10	5/18/2011	BB	EPA TO15
Hexane	<5.0	5.0	<17.6	17.6		10	5/18/2011	BB	EPA TO15
Isopropylbenzene	<5.0	5.0	<24.6	24.6		10	5/18/2011	BB	EPA TO15
m,p-Xylenes	<10	10	<43.4	43.4		10	5/18/2011	BB	EPA TO15
Methylene Chloride	<5.0	5.0	<17.4	17.4		10	5/18/2011	BB	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<10	10	<36.1	36.1		10	5/18/2011	BB	EPA TO15
Naphthalene	<50	50	<262	262		10	5/18/2011	BB	EPA TO15
n-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/18/2011	BB	EPA TO15
n-Nonane (C9)	<5.0	5.0	<26.2	26.2		10	5/18/2011	BB	EPA TO15
n-Octane (C8)	<5.0	5.0	<23.4	23.4		10	5/18/2011	BB	EPA TO15
n-Propylbenzene	<5.0	5.0	<24.6	24.6		10	5/18/2011	BB	EPA TO15
o-Xylene	**12**	**5.0**	**52**	**21.7**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Propene	<5.0	5.0	<8.61	8.61		10	5/18/2011	BB	EPA TO15
sec-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/18/2011	BB	EPA TO15
Styrene	<5.0	5.0	<21.3	21.3		10	5/18/2011	BB	EPA TO15
tert-Butylbenzene	<5.0	5.0	<27.4	27.4		10	5/18/2011	BB	EPA TO15
Tetrachloroethene	**9.2**	**5.0**	**62**	**33.9**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<20	20	<59.0	59.0		10	5/18/2011	BB	EPA TO15
Toluene	**7.9**	**5.0**	**30**	**18.8**		**10**	**5/18/2011**	**BB**	**EPA TO15**
trans-1,2-Dichloroethene	<5.0	5.0	<19.8	19.8		10	5/18/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<5.0	5.0	<22.7	22.7		10	5/18/2011	BB	EPA TO15
Trichloroethene	**180**	**5.0**	**970**	**26.9**		**10**	**5/18/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<5.0	5.0	<28.1	28.1		10	5/18/2011	BB	EPA TO15
Vinyl Acetate	<5.0	5.0	<17.6	17.6		10	5/18/2011	BB	EPA TO15
Vinyl chloride	<5.0	5.0	<12.8	12.8		10	5/18/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*100 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0650-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
2-Hexanone	<1.0	1.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
2-Propanol	<2.0	2.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
Acetone	<2.5	2.5		ppbv	11E0650	11E0650-BLK1	05-18-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Benzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Benzyl Chloride	<2.0	2.0	N1	ppbv	11E0650	11E0650-BLK1	05-18-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Bromoform	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Bromomethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Chloroethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Chloroform	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Chloromethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Cyclohexane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0650-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Freon 113	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Heptane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0650	11E0650-BLK1	05-18-2011
Hexane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
Naphthalene	<5.0	5.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
o-Xylene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Propene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Styrene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0650	11E0650-BLK1	05-18-2011
Toluene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Trichloroethene	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Vinyl Acetate	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0650	11E0650-BLK1	05-18-2011
Surrogate: 4-Bromofluorobenzene	97%				11E0650	11E0650-BLK1	05-18-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0650-BS1								
1,1,1-Trichloroethane	9.54	0.50		ppbv	95%	70 - 130	11E0650	05-17-2011
1,1,2,2-Tetrachloroethane	10.0	0.50		ppbv	100%	70 - 130	11E0650	05-17-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0650-BS1								
1,1,2-Trichloroethane	11.5	0.50		ppbv	115%	70 - 130	11E0650	05-17-2011
1,1-Dichloroethane	9.04	0.50		ppbv	90%	70 - 130	11E0650	05-17-2011
1,1-Dichloroethene	9.40	0.50		ppbv	94%	70 - 130	11E0650	05-17-2011
1,2,4-Trichlorobenzene	11.4	2.00	N1	ppbv	114%	70 - 130	11E0650	05-17-2011
1,2,4-Trimethylbenzene	11.1	0.50		ppbv	111%	70 - 130	11E0650	05-17-2011
1,2-Dibromoethane (EDB)	11.5	0.50		ppbv	115%	70 - 130	11E0650	05-17-2011
1,2-Dichlorobenzene	11.3	0.50		ppbv	113%	70 - 130	11E0650	05-17-2011
1,2-Dichloroethane	10.1	0.50		ppbv	101%	70 - 130	11E0650	05-17-2011
1,2-Dichloropropane	10.3	0.50		ppbv	103%	70 - 130	11E0650	05-17-2011
1,3,5-Trimethylbenzene	11.4	0.50		ppbv	114%	70 - 130	11E0650	05-17-2011
1,3-Butadiene	9.07	0.50		ppbv	91%	70 - 130	11E0650	05-17-2011
1,3-Dichlorobenzene	10.4	0.50		ppbv	104%	70 - 130	11E0650	05-17-2011
1,4-Dichlorobenzene	10.2	0.50		ppbv	102%	70 - 130	11E0650	05-17-2011
2,2,4-Trimethylpentane	10.9	0.50		ppbv	109%	70 - 130	11E0650	05-17-2011
2-Butanone (MEK)	9.44	1.00		ppbv	94%	70 - 130	11E0650	05-17-2011
2-Hexanone	12.3	1.00		ppbv	123%	70 - 130	11E0650	05-17-2011
2-Propanol	9.07	2.00		ppbv	91%	70 - 130	11E0650	05-17-2011
4-Ethyltoluene	11.4	0.50		ppbv	114%	70 - 130	11E0650	05-17-2011
4-Methyl-2-pentanone (MIBK)	11.4	1.00		ppbv	114%	70 - 130	11E0650	05-17-2011
Acetone	8.69	5.00		ppbv	87%	70 - 130	11E0650	05-17-2011
Allyl Chloride	9.56	0.50		ppbv	96%	70 - 130	11E0650	05-17-2011
Benzene	9.15	0.50		ppbv	92%	70 - 130	11E0650	05-17-2011
Benzyl Chloride	9.17	2.00	N1	ppbv	92%	70 - 130	11E0650	05-17-2011
Bromodichloromethane	11.3	0.50		ppbv	113%	70 - 130	11E0650	05-17-2011
Bromoethene(Vinyl Bromide)	11.0	0.50		ppbv	110%	70 - 130	11E0650	05-17-2011
Bromoform	11.3	0.50		ppbv	113%	70 - 130	11E0650	05-17-2011
Bromomethane	9.79	0.50		ppbv	98%	70 - 130	11E0650	05-17-2011
Carbon disulfide	9.29	0.50		ppbv	93%	70 - 130	11E0650	05-17-2011
Carbon tetrachloride	10.3	0.50		ppbv	103%	70 - 130	11E0650	05-17-2011
Chlorobenzene	11.0	0.50		ppbv	110%	70 - 130	11E0650	05-17-2011
Chloroethane	8.99	0.50		ppbv	90%	70 - 130	11E0650	05-17-2011
Chloroform	9.86	0.50		ppbv	99%	70 - 130	11E0650	05-17-2011
Chloromethane	9.31	0.50		ppbv	93%	70 - 130	11E0650	05-17-2011
cis-1,2-Dichloroethene	9.35	0.50		ppbv	94%	70 - 130	11E0650	05-17-2011
cis-1,3-Dichloropropene	11.0	0.50		ppbv	110%	70 - 130	11E0650	05-17-2011
Cyclohexane	9.11	0.50		ppbv	91%	70 - 130	11E0650	05-17-2011
Dibromochloromethane	12.0	0.50		ppbv	120%	70 - 130	11E0650	05-17-2011
Dichlorodifluoromethane	10.1	0.50		ppbv	101%	70 - 130	11E0650	05-17-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0650-BS1								
Dichlorotetrafluoroethane(F-114)	9.68	0.50		ppbv	97%	70 - 130	11E0650	05-17-2011
Ethyl Acetate	9.62	0.50		ppbv	96%	70 - 130	11E0650	05-17-2011
Ethylbenzene	11.4	0.50		ppbv	114%	70 - 130	11E0650	05-17-2011
Freon 113	9.48	0.50		ppbv	95%	70 - 130	11E0650	05-17-2011
Heptane	10.8	0.50		ppbv	108%	70 - 130	11E0650	05-17-2011
Hexachlorobutadiene	11.9	1.00	N1	ppbv	119%	70 - 130	11E0650	05-17-2011
Hexane	8.84	0.50		ppbv	88%	70 - 130	11E0650	05-17-2011
Isopropylbenzene	12.5	0.50		ppbv	125%	70 - 130	11E0650	05-17-2011
m,p-Xylenes	22.8	1.00		ppbv	114%	70 - 130	11E0650	05-17-2011
Methylene Chloride	8.80	0.50		ppbv	88%	70 - 130	11E0650	05-17-2011
Methyl-tert-butyl Ether (MTBE)	7.35	1.00		ppbv	74%	70 - 130	11E0650	05-17-2011
Naphthalene	12.0	5.00		ppbv	120%	70 - 130	11E0650	05-17-2011
n-Butylbenzene	10.6	0.50		ppbv	106%	70 - 130	11E0650	05-17-2011
n-Nonane (C9)	11.9	0.50		ppbv	119%	70 - 130	11E0650	05-17-2011
n-Octane (C8)	11.9	0.50		ppbv	119%	70 - 130	11E0650	05-17-2011
n-Propylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0650	05-17-2011
o-Xylene	11.4	0.50		ppbv	114%	70 - 130	11E0650	05-17-2011
Propene	8.48	0.50		ppbv	85%	70 - 130	11E0650	05-17-2011
sec-Butylbenzene	11.9	0.50		ppbv	119%	70 - 130	11E0650	05-17-2011
Styrene	11.6	0.50		ppbv	116%	70 - 130	11E0650	05-17-2011
tert-Butylbenzene	12.1	0.50		ppbv	121%	70 - 130	11E0650	05-17-2011
Tetrachloroethene	11.0	0.50		ppbv	110%	70 - 130	11E0650	05-17-2011
Tetrahydrofuran	9.58	2.00		ppbv	96%	70 - 130	11E0650	05-17-2011
Toluene	11.3	0.50		ppbv	113%	70 - 130	11E0650	05-17-2011
trans-1,2-Dichloroethene	9.38	0.50		ppbv	94%	70 - 130	11E0650	05-17-2011
trans-1,3-Dichloropropene	11.3	0.50		ppbv	113%	70 - 130	11E0650	05-17-2011
Trichloroethene	10.9	0.50		ppbv	109%	70 - 130	11E0650	05-17-2011
Trichlorofluoromethane	10.8	0.50		ppbv	108%	70 - 130	11E0650	05-17-2011
Vinyl Acetate	9.32	0.50		ppbv	93%	70 - 130	11E0650	05-17-2011
Vinyl chloride	9.16	0.50		ppbv	92%	70 - 130	11E0650	05-17-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50			102%	70 - 130	11E0650	05-17-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0650-BSD1												
1,1,1-Trichloroethane	9.50	0.50		ppbv	10.0	95%	70 - 130	0.4	30	11E0650		05-17-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0650-BSD1												
1,1,2,2-Tetrachloroethane	10.1	0.50		ppbv	10.0	101%	70 - 130	1	30	11E0650		05-17-2011
1,1,2-Trichloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11E0650		05-17-2011
1,1-Dichloroethane	9.05	0.50		ppbv	10.0	90%	70 - 130	0.1	30	11E0650		05-17-2011
1,1-Dichloroethene	9.60	0.50		ppbv	10.0	96%	70 - 130	2	30	11E0650		05-17-2011
1,2,4-Trichlorobenzene	11.5	2.00	N1	ppbv	10.0	115%	70 - 130	1	30	11E0650		05-17-2011
1,2,4-Trimethylbenzene	11.0	0.50		ppbv	10.0	110%	70 - 130	1	30	11E0650		05-17-2011
1,2-Dibromoethane (EDB)	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11E0650		05-17-2011
1,2-Dichlorobenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	0.4	30	11E0650		05-17-2011
1,2-Dichloroethane	9.98	0.50		ppbv	10.0	100%	70 - 130	1	30	11E0650		05-17-2011
1,2-Dichloropropane	10.3	0.50		ppbv	10.0	103%	70 - 130	0.4	30	11E0650		05-17-2011
1,3,5-Trimethylbenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	0.9	30	11E0650		05-17-2011
1,3-Butadiene	9.31	0.50		ppbv	10.0	93%	70 - 130	3	30	11E0650		05-17-2011
1,3-Dichlorobenzene	10.4	0.50		ppbv	10.0	104%	70 - 130	0.2	30	11E0650		05-17-2011
1,4-Dichlorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130	0.2	30	11E0650		05-17-2011
2,2,4-Trimethylpentane	10.9	0.50		ppbv	10.0	109%	70 - 130	0.3	30	11E0650		05-17-2011
2-Butanone (MEK)	9.81	1.00		ppbv	10.0	98%	70 - 130	4	30	11E0650		05-17-2011
2-Hexanone	12.7	1.00		ppbv	10.0	127%	70 - 130	3	30	11E0650		05-17-2011
2-Propanol	9.88	2.00		ppbv	10.0	99%	70 - 130	9	30	11E0650		05-17-2011
4-Ethyltoluene	11.4	0.50		ppbv	10.0	114%	70 - 130	0.3	30	11E0650		05-17-2011
4-Methyl-2-pentanone (MIBK)	11.6	1.00		ppbv	10.0	116%	70 - 130	2	30	11E0650		05-17-2011
Acetone	8.79	5.00		ppbv	10.0	88%	70 - 130	1	30	11E0650		05-17-2011
Allyl Chloride	9.64	0.50		ppbv	10.0	96%	70 - 130	0.8	30	11E0650		05-17-2011
Benzene	9.16	0.50		ppbv	10.0	92%	70 - 130	0.1	30	11E0650		05-17-2011
Benzyl Chloride	9.63	2.00	N1	ppbv	10.0	96%	70 - 130	5	30	11E0650		05-17-2011
Bromodichloromethane	11.0	0.50		ppbv	10.0	110%	70 - 130	2	30	11E0650		05-17-2011
Bromoethene(Vinyl Bromide)	11.0	0.50		ppbv	10.0	110%	70 - 130	0.5	30	11E0650		05-17-2011
Bromoform	11.2	0.50		ppbv	10.0	112%	70 - 130	0.9	30	11E0650		05-17-2011
Bromomethane	9.96	0.50		ppbv	10.0	100%	70 - 130	2	30	11E0650		05-17-2011
Carbon disulfide	9.41	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0650		05-17-2011
Carbon tetrachloride	10.3	0.50		ppbv	10.0	103%	70 - 130	0.1	30	11E0650		05-17-2011
Chlorobenzene	10.9	0.50		ppbv	10.0	109%	70 - 130	1	30	11E0650		05-17-2011
Chloroethane	9.40	0.50		ppbv	10.0	94%	70 - 130	4	30	11E0650		05-17-2011
Chloroform	9.75	0.50		ppbv	10.0	98%	70 - 130	1	30	11E0650		05-17-2011
Chloromethane	9.68	0.50		ppbv	10.0	97%	70 - 130	4	30	11E0650		05-17-2011
cis-1,2-Dichloroethene	9.37	0.50		ppbv	10.0	94%	70 - 130	0.2	30	11E0650		05-17-2011
cis-1,3-Dichloropropene	11.0	0.50		ppbv	10.0	110%	70 - 130	0.5	30	11E0650		05-17-2011
Cyclohexane	9.34	0.50		ppbv	10.0	93%	70 - 130	2	30	11E0650		05-17-2011
Dibromochloromethane	11.8	0.50		ppbv	10.0	118%	70 - 130	2	30	11E0650		05-17-2011
Dichlorodifluoromethane	10.5	0.50		ppbv	10.0	105%	70 - 130	4	30	11E0650		05-17-2011
Dichlorotetrafluoroethane(F-114)	9.70	0.50		ppbv	10.0	97%	70 - 130	0.2	30	11E0650		05-17-2011
Ethyl Acetate	9.83	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0650		05-17-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE0950
Project: Motorola Air
Project Number: Motorola 52

Received: 05/16/11
Reported: 05/18/11 12:36

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0650-BSD1												
Ethylbenzene	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11E0650		05-17-2011
Freon 113	9.61	0.50		ppbv	10.0	96%	70 - 130	1	30	11E0650		05-17-2011
Heptane	10.7	0.50		ppbv	10.0	107%	70 - 130	0.5	30	11E0650		05-17-2011
Hexachlorobutadiene	11.7	1.00	N1	ppbv	10.0	117%	70 - 130	2	30	11E0650		05-17-2011
Hexane	9.09	0.50		ppbv	10.0	91%	70 - 130	3	30	11E0650		05-17-2011
Isopropylbenzene	12.4	0.50		ppbv	10.0	124%	70 - 130	0.8	30	11E0650		05-17-2011
m,p-Xylenes	22.6	1.00		ppbv	20.0	113%	70 - 130	1	30	11E0650		05-17-2011
Methylene Chloride	8.99	0.50		ppbv	10.0	90%	70 - 130	2	30	11E0650		05-17-2011
Methyl-tert-butyl Ether (MTBE)	8.02	1.00		ppbv	10.0	80%	70 - 130	9	30	11E0650		05-17-2011
Naphthalene	12.4	5.00		ppbv	10.0	124%	70 - 130	4	30	11E0650		05-17-2011
n-Butylbenzene	10.6	0.50		ppbv	10.0	106%	70 - 130	0.4	30	11E0650		05-17-2011
n-Nonane (C9)	11.7	0.50		ppbv	10.0	117%	70 - 130	1	30	11E0650		05-17-2011
n-Octane (C8)	11.8	0.50		ppbv	10.0	118%	70 - 130	1	30	11E0650		05-17-2011
n-Propylbenzene	12.3	0.50		ppbv	10.0	123%	70 - 130	0.4	30	11E0650		05-17-2011
o-Xylene	11.3	0.50		ppbv	10.0	113%	70 - 130	1	30	11E0650		05-17-2011
Propene	9.18	0.50		ppbv	10.0	92%	70 - 130	8	30	11E0650		05-17-2011
sec-Butylbenzene	11.7	0.50		ppbv	10.0	117%	70 - 130	2	30	11E0650		05-17-2011
Styrene	11.6	0.50		ppbv	10.0	116%	70 - 130	0.09	30	11E0650		05-17-2011
tert-Butylbenzene	12.0	0.50		ppbv	10.0	120%	70 - 130	0.9	30	11E0650		05-17-2011
Tetrachloroethene	10.7	0.50		ppbv	10.0	107%	70 - 130	3	30	11E0650		05-17-2011
Tetrahydrofuran	9.77	2.00		ppbv	10.0	98%	70 - 130	2	30	11E0650		05-17-2011
Toluene	11.1	0.50		ppbv	10.0	111%	70 - 130	2	30	11E0650		05-17-2011
trans-1,2-Dichloroethene	9.58	0.50		ppbv	10.0	96%	70 - 130	2	30	11E0650		05-17-2011
trans-1,3-Dichloropropene	11.3	0.50		ppbv	10.0	113%	70 - 130	0.09	30	11E0650		05-17-2011
Trichloroethene	10.7	0.50		ppbv	10.0	107%	70 - 130	2	30	11E0650		05-17-2011
Trichlorofluoromethane	10.6	0.50		ppbv	10.0	106%	70 - 130	2	30	11E0650		05-17-2011
Vinyl Acetate	9.62	0.50		ppbv	10.0	96%	70 - 130	3	30	11E0650		05-17-2011
Vinyl chloride	9.65	0.50		ppbv	10.0	96%	70 - 130	5	30	11E0650		05-17-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130			11E0650		05-17-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0950	Received: 05/16/11
6155 E. Indian School Rd., Suite 200			Reported: 05/18/11 12:36
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE0950	Received: 05/16/11
6155 E. Indian School Rd., Suite 200			Reported: 05/18/11 12:36
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Russell Granfors
Company: Clear Creek Associates	Phone: 480-659-7131	
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify) 48hr	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV49-15	5/16/11	1319	1321	0.4, 1.0, 6.0		2508	X				PVE0950-01							
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:
Samples Relinquished by: Russell Granfors	Date/Time: 5/16/11 1611	Received by:
Relinquished by:	Date/Time:	Received by: 5/16/11 1611

20.0°C/Ambs

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 20, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE1180
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/18/11
Final Report:	05/20/11 11:56

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. 1,2,4-Trichlorobenzene, Benzyl Chloride and Hexachlorobutadiene exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to an outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV40-15	PUE1180-01	05/18/11	S/N E2065 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE1180-01 (SV40-15)			**Sampling Time: min**					**Sampled: 05/18/11 09:00**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/20/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	5/20/2011	BB	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/20/2011	BB	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/20/2011	BB	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/20/2011	BB	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8	N1	1.0	5/20/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	5/20/2011	BB	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01	L3	1.0	5/20/2011	BB	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/20/2011	BB	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	5/20/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.11	1.11		1.0	5/20/2011	BB	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/20/2011	BB	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/20/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	5/20/2011	BB	EPA TO15
2-Butanone (MEK)	**1.7**	**1.0**	**5.0**	**2.95**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.10	4.10		1.0	5/20/2011	BB	EPA TO15
2-Propanol	**20**	**2.0**	**49**	**4.92**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	5/20/2011	BB	EPA TO15
Acetone	**15**	**5.0**	**36**	**11.9**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	5/20/2011	BB	EPA TO15
Benzene	<0.50	0.50	<1.60	1.60		1.0	5/20/2011	BB	EPA TO15
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	5/20/2011	BB	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.35	3.35		1.0	5/20/2011	BB	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	5/20/2011	BB	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	5/20/2011	BB	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	5/20/2011	BB	EPA TO15
Carbon disulfide	<0.50	0.50	<1.56	1.56		1.0	5/20/2011	BB	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	5/20/2011	BB	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	5/20/2011	BB	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	5/20/2011	BB	EPA TO15
Chloroform	<0.50	0.50	<2.44	2.44		1.0	5/20/2011	BB	EPA TO15
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	5/20/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/20/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/20/2011	BB	EPA TO15
Cyclohexane	**1.8**	**0.50**	**6.2**	**1.72**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	5/20/2011	BB	EPA TO15
Dichlorodifluoromethane	**0.82**	**0.50**	**4.1**	**2.47**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	5/20/2011	BB	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	5/20/2011	BB	EPA TO15
Ethylbenzene	<0.50	0.50	<2.17	2.17		1.0	5/20/2011	BB	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE1180-01 (SV40-15) - cont. — **Sampling Time: min** — **Sampled: 05/18/11 09:00**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Freon 113	<0.50	0.50	<3.83	3.83		1.0	5/20/2011	BB	EPA TO15
Heptane	<0.50	0.50	<2.05	2.05		1.0	5/20/2011	BB	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7	L3,N1	1.0	5/20/2011	BB	EPA TO15
Hexane	**6.2**	**0.50**	**22**	**1.76**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Isopropylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
m,p-Xylenes	<1.0	1.0	<4.34	4.34		1.0	5/20/2011	BB	EPA TO15
Methylene Chloride	**4.5**	**0.50**	**16**	**1.74**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	5/20/2011	BB	EPA TO15
Naphthalene	<5.0	5.0	<26.2	26.2	V1,L3	1.0	5/20/2011	BB	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.62	2.62		1.0	5/20/2011	BB	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.34	2.34		1.0	5/20/2011	BB	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.46	2.46	L3	1.0	5/20/2011	BB	EPA TO15
o-Xylene	<0.50	0.50	<2.17	2.17		1.0	5/20/2011	BB	EPA TO15
Propene	**1.0**	**0.50**	**1.7**	**0.861**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
Styrene	<0.50	0.50	<2.13	2.13		1.0	5/20/2011	BB	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.39	3.39		1.0	5/20/2011	BB	EPA TO15
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	5/20/2011	BB	EPA TO15
Toluene	**1.4**	**0.50**	**5.3**	**1.88**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/20/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/20/2011	BB	EPA TO15
Trichloroethene	**3.3**	**0.50**	**18**	**2.69**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.81	2.81		1.0	5/20/2011	BB	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	5/20/2011	BB	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	5/20/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0737-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Hexanone	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Propanol	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Acetone	<5.0	5.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Benzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Benzyl Chloride	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromoform	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromomethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloroform	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Cyclohexane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0737-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Freon 113	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Heptane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0737	11E0737-BLK1	05-19-2011
Hexane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Naphthalene	<5.0	5.0	V1	ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
o-Xylene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Propene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Styrene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Toluene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Trichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Vinyl Acetate	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Surrogate: 4-Bromofluorobenzene	96%				11E0737	11E0737-BLK1	05-19-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
1,1,1-Trichloroethane	9.11	0.50		ppbv	91%	70 - 130	11E0737	05-19-2011
1,1,2,2-Tetrachloroethane	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
1,1,2-Trichloroethane	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011
1,1-Dichloroethane	8.57	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
1,1-Dichloroethene	9.16	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
1,2,4-Trichlorobenzene	12.4	2.00	N1	ppbv	124%	70 - 130	11E0737	05-19-2011
1,2,4-Trimethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0737	05-19-2011
1,2-Dibromoethane (EDB)	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011
1,2-Dichlorobenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
1,2-Dichloroethane	9.42	0.50		ppbv	94%	70 - 130	11E0737	05-19-2011
1,2-Dichloropropane	9.31	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
1,3,5-Trimethylbenzene	11.2	0.50		ppbv	112%	70 - 130	11E0737	05-19-2011
1,3-Butadiene	9.27	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
1,4-Dichlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
2,2,4-Trimethylpentane	9.89	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
2-Butanone (MEK)	9.11	1.00		ppbv	91%	70 - 130	11E0737	05-19-2011
2-Hexanone	11.2	1.00		ppbv	112%	70 - 130	11E0737	05-19-2011
2-Propanol	9.19	2.00		ppbv	92%	70 - 130	11E0737	05-19-2011
4-Ethyltoluene	11.1	0.50		ppbv	111%	70 - 130	11E0737	05-19-2011
4-Methyl-2-pentanone (MIBK)	10.5	1.00		ppbv	105%	70 - 130	11E0737	05-19-2011
Acetone	8.36	5.00		ppbv	84%	70 - 130	11E0737	05-19-2011
Allyl Chloride	9.14	0.50		ppbv	91%	70 - 130	11E0737	05-19-2011
Benzene	8.64	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Benzyl Chloride	10.6	2.00		ppbv	106%	70 - 130	11E0737	05-19-2011
Bromodichloromethane	10.2	0.50		ppbv	102%	70 - 130	11E0737	05-19-2011
Bromoethene(Vinyl Bromide)	10.6	0.50		ppbv	106%	70 - 130	11E0737	05-19-2011
Bromoform	11.2	0.50		ppbv	112%	70 - 130	11E0737	05-19-2011
Bromomethane	9.87	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
Carbon disulfide	9.02	0.50		ppbv	90%	70 - 130	11E0737	05-19-2011
Carbon tetrachloride	9.88	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
Chlorobenzene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Chloroethane	9.39	0.50		ppbv	94%	70 - 130	11E0737	05-19-2011
Chloroform	9.30	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Chloromethane	9.33	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
cis-1,2-Dichloroethene	8.81	0.50		ppbv	88%	70 - 130	11E0737	05-19-2011
cis-1,3-Dichloropropene	10.0	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011
Cyclohexane	8.82	0.50		ppbv	88%	70 - 130	11E0737	05-19-2011
Dibromochloromethane	11.1	0.50		ppbv	111%	70 - 130	11E0737	05-19-2011
Dichlorodifluoromethane	9.95	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
Dichlorotetrafluoroethane(F-114)	9.69	0.50		ppbv	97%	70 - 130	11E0737	05-19-2011
Ethyl Acetate	9.32	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Ethylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0737	05-19-2011
Freon 113	9.25	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
Heptane	9.98	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011
Hexachlorobutadiene	12.4	1.00	N1	ppbv	124%	70 - 130	11E0737	05-19-2011
Hexane	8.62	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Isopropylbenzene	11.7	0.50		ppbv	117%	70 - 130	11E0737	05-19-2011
m,p-Xylenes	20.6	1.00		ppbv	103%	70 - 130	11E0737	05-19-2011
Methylene Chloride	8.55	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Methyl-tert-butyl Ether (MTBE)	7.03	1.00		ppbv	70%	70 - 130	11E0737	05-19-2011
Naphthalene	13.4	5.00	V1,L3	ppbv	134%	70 - 130	11E0737	05-19-2011
n-Butylbenzene	13.0	0.50		ppbv	130%	70 - 130	11E0737	05-19-2011
n-Nonane (C9)	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
n-Octane (C8)	10.7	0.50		ppbv	107%	70 - 130	11E0737	05-19-2011
n-Propylbenzene	11.9	0.50		ppbv	119%	70 - 130	11E0737	05-19-2011
o-Xylene	10.7	0.50		ppbv	107%	70 - 130	11E0737	05-19-2011
Propene	8.46	0.50		ppbv	85%	70 - 130	11E0737	05-19-2011
sec-Butylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
Styrene	11.0	0.50		ppbv	110%	70 - 130	11E0737	05-19-2011
tert-Butylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
Tetrachloroethene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Tetrahydrofuran	9.14	2.00		ppbv	91%	70 - 130	11E0737	05-19-2011
Toluene	10.2	0.50		ppbv	102%	70 - 130	11E0737	05-19-2011
trans-1,2-Dichloroethene	9.15	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
trans-1,3-Dichloropropene	10.4	0.50		ppbv	104%	70 - 130	11E0737	05-19-2011
Trichloroethene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Trichlorofluoromethane	10.6	0.50		ppbv	106%	70 - 130	11E0737	05-19-2011
Vinyl Acetate	8.47	0.50		ppbv	85%	70 - 130	11E0737	05-19-2011
Vinyl chloride	9.31	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50			102%	70 - 130	11E0737	05-19-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
1,1,1-Trichloroethane	10.2	0.50		ppbv	10.0	102%	70 - 130	11	30	11E0737		05-19-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	8	30	11E0737		05-19-2011
1,1,2-Trichloroethane	11.5	0.50		ppbv	10.0	115%	70 - 130	9	30	11E0737		05-19-2011
1,1-Dichloroethane	9.74	0.50		ppbv	10.0	97%	70 - 130	13	30	11E0737		05-19-2011
1,1-Dichloroethene	9.81	0.50		ppbv	10.0	98%	70 - 130	7	30	11E0737		05-19-2011
1,2,4-Trichlorobenzene	12.9	2.00	N1	ppbv	10.0	129%	70 - 130	4	30	11E0737		05-19-2011
1,2,4-Trimethylbenzene	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
1,2-Dibromoethane (EDB)	11.7	0.50		ppbv	10.0	117%	70 - 130	10	30	11E0737		05-19-2011
1,2-Dichlorobenzene	13.4	0.50	L3	ppbv	10.0	134%	70 - 130	9	30	11E0737		05-19-2011
1,2-Dichloroethane	10.8	0.50		ppbv	10.0	108%	70 - 130	13	30	11E0737		05-19-2011
1,2-Dichloropropane	10.5	0.50		ppbv	10.0	105%	70 - 130	12	30	11E0737		05-19-2011
1,3,5-Trimethylbenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	9	30	11E0737		05-19-2011
1,3-Butadiene	9.39	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0737		05-19-2011
1,3-Dichlorobenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	8	30	11E0737		05-19-2011
1,4-Dichlorobenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	7	30	11E0737		05-19-2011
2,2,4-Trimethylpentane	10.5	0.50		ppbv	10.0	105%	70 - 130	6	30	11E0737		05-19-2011
2-Butanone (MEK)	10.1	1.00		ppbv	10.0	101%	70 - 130	10	30	11E0737		05-19-2011
2-Hexanone	12.6	1.00		ppbv	10.0	126%	70 - 130	11	30	11E0737		05-19-2011
2-Propanol	9.84	2.00		ppbv	10.0	98%	70 - 130	7	30	11E0737		05-19-2011
4-Ethyltoluene	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
4-Methyl-2-pentanone (MIBK)	11.7	1.00		ppbv	10.0	117%	70 - 130	11	30	11E0737		05-19-2011
Acetone	9.07	5.00		ppbv	10.0	91%	70 - 130	8	30	11E0737		05-19-2011
Allyl Chloride	10.1	0.50		ppbv	10.0	101%	70 - 130	10	30	11E0737		05-19-2011
Benzene	9.89	0.50		ppbv	10.0	99%	70 - 130	13	30	11E0737		05-19-2011
Benzyl Chloride	11.4	2.00		ppbv	10.0	114%	70 - 130	6	30	11E0737		05-19-2011
Bromodichloromethane	11.2	0.50		ppbv	10.0	112%	70 - 130	9	30	11E0737		05-19-2011
Bromoethene(Vinyl Bromide)	10.9	0.50		ppbv	10.0	109%	70 - 130	3	30	11E0737		05-19-2011
Bromoform	12.1	0.50		ppbv	10.0	121%	70 - 130	8	30	11E0737		05-19-2011
Bromomethane	10.0	0.50		ppbv	10.0	100%	70 - 130	1	30	11E0737		05-19-2011
Carbon disulfide	9.26	0.50		ppbv	10.0	93%	70 - 130	3	30	11E0737		05-19-2011
Carbon tetrachloride	10.8	0.50		ppbv	10.0	108%	70 - 130	9	30	11E0737		05-19-2011
Chlorobenzene	11.1	0.50		ppbv	10.0	111%	70 - 130	9	30	11E0737		05-19-2011
Chloroethane	9.88	0.50		ppbv	10.0	99%	70 - 130	5	30	11E0737		05-19-2011
Chloroform	10.2	0.50		ppbv	10.0	102%	70 - 130	9	30	11E0737		05-19-2011
Chloromethane	9.53	0.50		ppbv	10.0	95%	70 - 130	2	30	11E0737		05-19-2011
cis-1,2-Dichloroethene	9.77	0.50		ppbv	10.0	98%	70 - 130	10	30	11E0737		05-19-2011
cis-1,3-Dichloropropene	11.2	0.50		ppbv	10.0	112%	70 - 130	11	30	11E0737		05-19-2011
Cyclohexane	9.67	0.50		ppbv	10.0	97%	70 - 130	9	30	11E0737		05-19-2011
Dibromochloromethane	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
Dichlorodifluoromethane	10.1	0.50		ppbv	10.0	101%	70 - 130	1	30	11E0737		05-19-2011
Dichlorotetrafluoroethane(F-114)	9.84	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0737		05-19-2011
Ethyl Acetate	10.4	0.50		ppbv	10.0	104%	70 - 130	11	30	11E0737		05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1180
Project: Motorola Air
Project Number: Motorola 52

Received: 05/18/11
Reported: 05/20/11 11:56

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
Ethylbenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	11	30	11E0737		05-19-2011
Freon 113	10.1	0.50		ppbv	10.0	101%	70 - 130	9	30	11E0737		05-19-2011
Heptane	10.7	0.50		ppbv	10.0	107%	70 - 130	7	30	11E0737		05-19-2011
Hexachlorobutadiene	13.8	1.00	L3,N1	ppbv	10.0	138%	70 - 130	10	30	11E0737		05-19-2011
Hexane	9.42	0.50		ppbv	10.0	94%	70 - 130	9	30	11E0737		05-19-2011
Isopropylbenzene	12.8	0.50		ppbv	10.0	128%	70 - 130	9	30	11E0737		05-19-2011
m,p-Xylenes	23.3	1.00		ppbv	20.0	116%	70 - 130	12	30	11E0737		05-19-2011
Methylene Chloride	9.28	0.50		ppbv	10.0	93%	70 - 130	8	30	11E0737		05-19-2011
Methyl-tert-butyl Ether (MTBE)	7.92	1.00		ppbv	10.0	79%	70 - 130	12	30	11E0737		05-19-2011
Naphthalene	13.5	5.00	V1,L3	ppbv	10.0	135%	70 - 130	0.4	30	11E0737		05-19-2011
n-Butylbenzene	14.4	0.50	L3	ppbv	10.0	144%	70 - 130	11	30	11E0737		05-19-2011
n-Nonane (C9)	11.6	0.50		ppbv	10.0	116%	70 - 130	7	30	11E0737		05-19-2011
n-Octane (C8)	11.6	0.50		ppbv	10.0	116%	70 - 130	9	30	11E0737		05-19-2011
n-Propylbenzene	13.2	0.50	L3	ppbv	10.0	132%	70 - 130	10	30	11E0737		05-19-2011
o-Xylene	11.7	0.50		ppbv	10.0	117%	70 - 130	9	30	11E0737		05-19-2011
Propene	8.71	0.50		ppbv	10.0	87%	70 - 130	3	30	11E0737		05-19-2011
sec-Butylbenzene	13.6	0.50	L3	ppbv	10.0	136%	70 - 130	10	30	11E0737		05-19-2011
Styrene	12.2	0.50		ppbv	10.0	122%	70 - 130	10	30	11E0737		05-19-2011
tert-Butylbenzene	13.4	0.50	L3	ppbv	10.0	134%	70 - 130	9	30	11E0737		05-19-2011
Tetrachloroethene	10.7	0.50		ppbv	10.0	107%	70 - 130	6	30	11E0737		05-19-2011
Tetrahydrofuran	10.0	2.00		ppbv	10.0	100%	70 - 130	9	30	11E0737		05-19-2011
Toluene	11.4	0.50		ppbv	10.0	114%	70 - 130	12	30	11E0737		05-19-2011
trans-1,2-Dichloroethene	10.0	0.50		ppbv	10.0	100%	70 - 130	9	30	11E0737		05-19-2011
trans-1,3-Dichloropropene	11.6	0.50		ppbv	10.0	116%	70 - 130	12	30	11E0737		05-19-2011
Trichloroethene	10.6	0.50		ppbv	10.0	106%	70 - 130	5	30	11E0737		05-19-2011
Trichlorofluoromethane	11.0	0.50		ppbv	10.0	110%	70 - 130	4	30	11E0737		05-19-2011
Vinyl Acetate	9.81	0.50		ppbv	10.0	98%	70 - 130	15	30	11E0737		05-19-2011
Vinyl chloride	9.37	0.50		ppbv	10.0	94%	70 - 130	0.6	30	11E0737		05-19-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130			11E0737		05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE1180	Received: 05/18/11
6155 E. Indian School Rd., Suite 200			Reported: 05/20/11 11:56
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE1180	Received: 05/18/11
6155 E. Indian School Rd., Suite 200			Reported: 05/20/11 11:56
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
N1	See case narrative.
V1	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Client Contact Information	**Project Manager:** Todd Cruse		Page 1 of 1 COCs
Company: Clear Creek Associates	**Phone:** 480-659-7131	**Samples Collected By:** Russell Cranford	
Address: 6155 E. Indian School	**Email:** Tcruse@clearcreekassociates.com		
City/State/Zip Scottsdale, AZ 85251	**Site Contact:**		
Phone: 480-659-7131	**LAB Contact:**		
FAX: 480-659-7143	**Analysis Turnaround Time**		
Project Name: Motorola 52	Standard (Specify)		
Site:	Rush (Specify) 48hr		
PO #			

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV40-15	5/18/11	0858	0900	0.4, 1.0, 6.0		E2065	X				PVE1180 01							
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	20° Ambient
Samples Relinquished by: Russell Cranford	Date/Time: 5/18/11 16:21	Received by:	
Relinquished by:	Date/Time: 5/18/11 16:21	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

May 20, 2011

LABORATORY REPORT

Client:
Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Attn: Todd Cruse

Work Order:	PUE1279
Project Name:	Motorola Air
Project Number:	Motorola 52
Date Received:	05/19/11
Final Report:	05/20/11 13:17

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - 1,2,4-Trichlorobenzene and Hexachlorobutadiene recovered above laboratory acceptance limits in the second source calibration standard analyzed after the initial calibration. 1,2,4-Trichlorobenzene, Benzyl Chloride and Hexachlorobutadiene exceeded laboratory historical acceptance limits in the daily calibration verification standard. All associated samples are non-detect for these compounds and therefore should not be impacted.
COMMENTS: No significant observations were made.
SUBCONTRACTED: No samples were subcontracted to and outside laboratory for analysis.

Approved By:

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
SV51-15	PUE1279-01	05/19/11	S/N 1460 0.4L Canister

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

ANALYTICAL REPORT

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE1279-01 (SV51-15)			**Sampling Time: min**					**Sampled: 05/19/11 09:45**	
1,1,1-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/20/2011	BB	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.43	3.43		1.0	5/20/2011	BB	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.73	2.73		1.0	5/20/2011	BB	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/20/2011	BB	EPA TO15
1,1-Dichloroethene	**1.1**	**0.50**	**4.4**	**1.98**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
1,2,4-Trichlorobenzene	<2.0	2.0	<14.8	14.8	N1	1.0	5/20/2011	BB	EPA TO15
1,2,4-Trimethylbenzene	**0.55**	**0.50**	**2.7**	**2.46**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.84	3.84		1.0	5/20/2011	BB	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.01	3.01	L3	1.0	5/20/2011	BB	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.02	2.02		1.0	5/20/2011	BB	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.31	2.31		1.0	5/20/2011	BB	EPA TO15
1,3,5-Trimethylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
1,3-Butadiene	<0.50	0.50	<1.11	1.11		1.0	5/20/2011	BB	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/20/2011	BB	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.01	3.01		1.0	5/20/2011	BB	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.34	2.34		1.0	5/20/2011	BB	EPA TO15
2-Butanone (MEK)	**1.9**	**1.0**	**5.6**	**2.95**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.10	4.10		1.0	5/20/2011	BB	EPA TO15
4-Ethyltoluene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
4-Methyl-2-pentanone (MIBK)	<1.0	1.0	<4.10	4.10		1.0	5/20/2011	BB	EPA TO15
Acetone	**14**	**5.0**	**33**	**11.9**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.56	1.56		1.0	5/20/2011	BB	EPA TO15
Benzene	**0.96**	**0.50**	**3.1**	**1.60**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10.4	10.4		1.0	5/20/2011	BB	EPA TO15
Bromodichloromethane	**0.71**	**0.50**	**4.8**	**3.35**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.19	2.19		1.0	5/20/2011	BB	EPA TO15
Bromoform	<0.50	0.50	<5.17	5.17		1.0	5/20/2011	BB	EPA TO15
Bromomethane	<0.50	0.50	<1.94	1.94		1.0	5/20/2011	BB	EPA TO15
Carbon disulfide	**2.5**	**0.50**	**7.8**	**1.56**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.15	3.15		1.0	5/20/2011	BB	EPA TO15
Chlorobenzene	<0.50	0.50	<2.30	2.30		1.0	5/20/2011	BB	EPA TO15
Chloroethane	<0.50	0.50	<1.32	1.32		1.0	5/20/2011	BB	EPA TO15
Chloroform	**16**	**0.50**	**78**	**2.44**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.03	1.03		1.0	5/20/2011	BB	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/20/2011	BB	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/20/2011	BB	EPA TO15
Cyclohexane	**3.6**	**0.50**	**12**	**1.72**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.26	4.26		1.0	5/20/2011	BB	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.47	2.47		1.0	5/20/2011	BB	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.50	3.50		1.0	5/20/2011	BB	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.80	1.80		1.0	5/20/2011	BB	EPA TO15
Ethylbenzene	<0.50	0.50	<2.17	2.17		1.0	5/20/2011	BB	EPA TO15
Freon 113	**1.4**	**0.50**	**11**	**3.83**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

Volatile Organic Compounds by EPA TO-15

Sample ID: PUE1279-01 (SV51-15) - cont. — **Sampling Time: min** — **Sampled: 05/19/11 09:45**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Heptane	<0.50	0.50	<2.05	2.05		1.0	5/20/2011	BB	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<10.7	10.7	L3,N1	1.0	5/20/2011	BB	EPA TO15
Hexane	<0.50	0.50	<1.76	1.76		1.0	5/20/2011	BB	EPA TO15
Isopropylbenzene	<0.50	0.50	<2.46	2.46		1.0	5/20/2011	BB	EPA TO15
m,p-Xylenes	<1.0	1.0	<4.34	4.34		1.0	5/20/2011	BB	EPA TO15
Methylene Chloride	**0.57**	**0.50**	**2.0**	**1.74**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.61	3.61		1.0	5/20/2011	BB	EPA TO15
Naphthalene	<5.0	5.0	<26.2	26.2	V1,L3	1.0	5/20/2011	BB	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.62	2.62		1.0	5/20/2011	BB	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.34	2.34		1.0	5/20/2011	BB	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.46	2.46	L3	1.0	5/20/2011	BB	EPA TO15
o-Xylene	<0.50	0.50	<2.17	2.17		1.0	5/20/2011	BB	EPA TO15
Propene	**1.6**	**0.50**	**2.8**	**0.861**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
Styrene	<0.50	0.50	<2.13	2.13		1.0	5/20/2011	BB	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.74	2.74	L3	1.0	5/20/2011	BB	EPA TO15
Tetrachloroethene	**3.5**	**0.50**	**24**	**3.39**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Tetrahydrofuran	<2.0	2.0	<5.90	5.90		1.0	5/20/2011	BB	EPA TO15
Toluene	**5.2**	**0.50**	**20**	**1.88**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<1.98	1.98		1.0	5/20/2011	BB	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.27	2.27		1.0	5/20/2011	BB	EPA TO15
Trichloroethene	**42**	**0.50**	**230**	**2.69**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Trichlorofluoromethane	**0.73**	**0.50**	**4.1**	**2.81**		**1.0**	**5/20/2011**	**BB**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.76	1.76		1.0	5/20/2011	BB	EPA TO15
Vinyl chloride	<0.50	0.50	<1.28	1.28		1.0	5/20/2011	BB	EPA TO15
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUE1279-01RE1 (SV51-15)			**Sampling Time: min**					**Sampled: 05/19/11 09:45**	
2-Propanol	**260**	**20**	**640**	**49.2**		**9.8**	**5/20/2011**	**BB**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0737-BLK1							
1,1,1-Trichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1,2,2-Tetrachloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1,2-Trichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1-Dichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,1-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2,4-Trichlorobenzene	<2.0	2.0	N1	ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2,4-Trimethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dibromoethane (EDB)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,2-Dichloropropane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3,5-Trimethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3-Butadiene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,3-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
1,4-Dichlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
2,2,4-Trimethylpentane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Butanone (MEK)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Hexanone	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
2-Propanol	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
4-Ethyltoluene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
4-Methyl-2-pentanone (MIBK)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Acetone	<5.0	5.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Allyl Chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Benzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Benzyl Chloride	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromodichloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromoethene(Vinyl Bromide)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromoform	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Bromomethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Carbon disulfide	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Carbon tetrachloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chlorobenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloroethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloroform	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Chloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
cis-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
cis-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Cyclohexane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Dibromochloromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

Blank - Cont.

Analyte	Blank Value	RL	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Volatile Organic Compounds by EPA TO-15							
11E0737-BLK1							
Dichlorodifluoromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Dichlorotetrafluoroethane(F-114)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Ethyl Acetate	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Ethylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Freon 113	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Heptane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Hexachlorobutadiene	<1.0	1.0	N1	ppbv	11E0737	11E0737-BLK1	05-19-2011
Hexane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Isopropylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
m,p-Xylenes	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Methylene Chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Naphthalene	<5.0	5.0	V1	ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Nonane (C9)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Octane (C8)	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
n-Propylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
o-Xylene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Propene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
sec-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Styrene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
tert-Butylbenzene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Tetrachloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Tetrahydrofuran	<2.0	2.0		ppbv	11E0737	11E0737-BLK1	05-19-2011
Toluene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
trans-1,2-Dichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
trans-1,3-Dichloropropene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Trichloroethene	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Trichlorofluoromethane	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Vinyl Acetate	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Vinyl chloride	<0.50	0.50		ppbv	11E0737	11E0737-BLK1	05-19-2011
Surrogate: 4-Bromofluorobenzene	96%				11E0737	11E0737-BLK1	05-19-2011

LCS

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
1,1,1-Trichloroethane	9.11	0.50		ppbv	91%	70 - 130	11E0737	05-19-2011
1,1,2,2-Tetrachloroethane	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
1,1,2-Trichloroethane	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011
1,1-Dichloroethane	8.57	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
1,1-Dichloroethene	9.16	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
1,2,4-Trichlorobenzene	12.4	2.00	N1	ppbv	124%	70 - 130	11E0737	05-19-2011
1,2,4-Trimethylbenzene	11.0	0.50		ppbv	110%	70 - 130	11E0737	05-19-2011
1,2-Dibromoethane (EDB)	10.5	0.50		ppbv	105%	70 - 130	11E0737	05-19-2011
1,2-Dichlorobenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
1,2-Dichloroethane	9.42	0.50		ppbv	94%	70 - 130	11E0737	05-19-2011
1,2-Dichloropropane	9.31	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
1,3,5-Trimethylbenzene	11.2	0.50		ppbv	112%	70 - 130	11E0737	05-19-2011
1,3-Butadiene	9.27	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
1,3-Dichlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
1,4-Dichlorobenzene	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
2,2,4-Trimethylpentane	9.89	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
2-Butanone (MEK)	9.11	1.00		ppbv	91%	70 - 130	11E0737	05-19-2011
2-Hexanone	11.2	1.00		ppbv	112%	70 - 130	11E0737	05-19-2011
2-Propanol	9.19	2.00		ppbv	92%	70 - 130	11E0737	05-19-2011
4-Ethyltoluene	11.1	0.50		ppbv	111%	70 - 130	11E0737	05-19-2011
4-Methyl-2-pentanone (MIBK)	10.5	1.00		ppbv	105%	70 - 130	11E0737	05-19-2011
Acetone	8.36	5.00		ppbv	84%	70 - 130	11E0737	05-19-2011
Allyl Chloride	9.14	0.50		ppbv	91%	70 - 130	11E0737	05-19-2011
Benzene	8.64	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Benzyl Chloride	10.6	2.00		ppbv	106%	70 - 130	11E0737	05-19-2011
Bromodichloromethane	10.2	0.50		ppbv	102%	70 - 130	11E0737	05-19-2011
Bromoethene(Vinyl Bromide)	10.6	0.50		ppbv	106%	70 - 130	11E0737	05-19-2011
Bromoform	11.2	0.50		ppbv	112%	70 - 130	11E0737	05-19-2011
Bromomethane	9.87	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
Carbon disulfide	9.02	0.50		ppbv	90%	70 - 130	11E0737	05-19-2011
Carbon tetrachloride	9.88	0.50		ppbv	99%	70 - 130	11E0737	05-19-2011
Chlorobenzene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Chloroethane	9.39	0.50		ppbv	94%	70 - 130	11E0737	05-19-2011
Chloroform	9.30	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Chloromethane	9.33	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
cis-1,2-Dichloroethene	8.81	0.50		ppbv	88%	70 - 130	11E0737	05-19-2011
cis-1,3-Dichloropropene	10.0	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011
Cyclohexane	8.82	0.50		ppbv	88%	70 - 130	11E0737	05-19-2011
Dibromochloromethane	11.1	0.50		ppbv	111%	70 - 130	11E0737	05-19-2011
Dichlorodifluoromethane	9.95	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

LCS - Cont.

Analyte	Result	RL	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Volatile Organic Compounds by EPA TO-15								
11E0737-BS1								
Dichlorotetrafluoroethane(F-114)	9.69	0.50		ppbv	97%	70 - 130	11E0737	05-19-2011
Ethyl Acetate	9.32	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Ethylbenzene	10.4	0.50		ppbv	104%	70 - 130	11E0737	05-19-2011
Freon 113	9.25	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
Heptane	9.98	0.50		ppbv	100%	70 - 130	11E0737	05-19-2011
Hexachlorobutadiene	12.4	1.00	N1	ppbv	124%	70 - 130	11E0737	05-19-2011
Hexane	8.62	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Isopropylbenzene	11.7	0.50		ppbv	117%	70 - 130	11E0737	05-19-2011
m,p-Xylenes	20.6	1.00		ppbv	103%	70 - 130	11E0737	05-19-2011
Methylene Chloride	8.55	0.50		ppbv	86%	70 - 130	11E0737	05-19-2011
Methyl-tert-butyl Ether (MTBE)	7.03	1.00		ppbv	70%	70 - 130	11E0737	05-19-2011
Naphthalene	13.4	5.00	V1,L3	ppbv	134%	70 - 130	11E0737	05-19-2011
n-Butylbenzene	13.0	0.50		ppbv	130%	70 - 130	11E0737	05-19-2011
n-Nonane (C9)	10.8	0.50		ppbv	108%	70 - 130	11E0737	05-19-2011
n-Octane (C8)	10.7	0.50		ppbv	107%	70 - 130	11E0737	05-19-2011
n-Propylbenzene	11.9	0.50		ppbv	119%	70 - 130	11E0737	05-19-2011
o-Xylene	10.7	0.50		ppbv	107%	70 - 130	11E0737	05-19-2011
Propene	8.46	0.50		ppbv	85%	70 - 130	11E0737	05-19-2011
sec-Butylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
Styrene	11.0	0.50		ppbv	110%	70 - 130	11E0737	05-19-2011
tert-Butylbenzene	12.3	0.50		ppbv	123%	70 - 130	11E0737	05-19-2011
Tetrachloroethene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Tetrahydrofuran	9.14	2.00		ppbv	91%	70 - 130	11E0737	05-19-2011
Toluene	10.2	0.50		ppbv	102%	70 - 130	11E0737	05-19-2011
trans-1,2-Dichloroethene	9.15	0.50		ppbv	92%	70 - 130	11E0737	05-19-2011
trans-1,3-Dichloropropene	10.4	0.50		ppbv	104%	70 - 130	11E0737	05-19-2011
Trichloroethene	10.1	0.50		ppbv	101%	70 - 130	11E0737	05-19-2011
Trichlorofluoromethane	10.6	0.50		ppbv	106%	70 - 130	11E0737	05-19-2011
Vinyl Acetate	8.47	0.50		ppbv	85%	70 - 130	11E0737	05-19-2011
Vinyl chloride	9.31	0.50		ppbv	93%	70 - 130	11E0737	05-19-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50			102%	70 - 130	11E0737	05-19-2011

LCS Dup

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
1,1,1-Trichloroethane	10.2	0.50		ppbv	10.0	102%	70 - 130	11	30	11E0737		05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
1,1,2,2-Tetrachloroethane	11.3	0.50		ppbv	10.0	113%	70 - 130	8	30	11E0737		05-19-2011
1,1,2-Trichloroethane	11.5	0.50		ppbv	10.0	115%	70 - 130	9	30	11E0737		05-19-2011
1,1-Dichloroethane	9.74	0.50		ppbv	10.0	97%	70 - 130	13	30	11E0737		05-19-2011
1,1-Dichloroethene	9.81	0.50		ppbv	10.0	98%	70 - 130	7	30	11E0737		05-19-2011
1,2,4-Trichlorobenzene	12.9	2.00	N1	ppbv	10.0	129%	70 - 130	4	30	11E0737		05-19-2011
1,2,4-Trimethylbenzene	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
1,2-Dibromoethane (EDB)	11.7	0.50		ppbv	10.0	117%	70 - 130	10	30	11E0737		05-19-2011
1,2-Dichlorobenzene	13.4	0.50	L3	ppbv	10.0	134%	70 - 130	9	30	11E0737		05-19-2011
1,2-Dichloroethane	10.8	0.50		ppbv	10.0	108%	70 - 130	13	30	11E0737		05-19-2011
1,2-Dichloropropane	10.5	0.50		ppbv	10.0	105%	70 - 130	12	30	11E0737		05-19-2011
1,3,5-Trimethylbenzene	12.2	0.50		ppbv	10.0	122%	70 - 130	9	30	11E0737		05-19-2011
1,3-Butadiene	9.39	0.50		ppbv	10.0	94%	70 - 130	1	30	11E0737		05-19-2011
1,3-Dichlorobenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	8	30	11E0737		05-19-2011
1,4-Dichlorobenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	7	30	11E0737		05-19-2011
2,2,4-Trimethylpentane	10.5	0.50		ppbv	10.0	105%	70 - 130	6	30	11E0737		05-19-2011
2-Butanone (MEK)	10.1	1.00		ppbv	10.0	101%	70 - 130	10	30	11E0737		05-19-2011
2-Hexanone	12.6	1.00		ppbv	10.0	126%	70 - 130	11	30	11E0737		05-19-2011
2-Propanol	9.84	2.00		ppbv	10.0	98%	70 - 130	7	30	11E0737		05-19-2011
4-Ethyltoluene	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
4-Methyl-2-pentanone (MIBK)	11.7	1.00		ppbv	10.0	117%	70 - 130	11	30	11E0737		05-19-2011
Acetone	9.07	5.00		ppbv	10.0	91%	70 - 130	8	30	11E0737		05-19-2011
Allyl Chloride	10.1	0.50		ppbv	10.0	101%	70 - 130	10	30	11E0737		05-19-2011
Benzene	9.89	0.50		ppbv	10.0	99%	70 - 130	13	30	11E0737		05-19-2011
Benzyl Chloride	11.4	2.00		ppbv	10.0	114%	70 - 130	6	30	11E0737		05-19-2011
Bromodichloromethane	11.2	0.50		ppbv	10.0	112%	70 - 130	9	30	11E0737		05-19-2011
Bromoethene(Vinyl Bromide)	10.9	0.50		ppbv	10.0	109%	70 - 130	3	30	11E0737		05-19-2011
Bromoform	12.1	0.50		ppbv	10.0	121%	70 - 130	8	30	11E0737		05-19-2011
Bromomethane	10.0	0.50		ppbv	10.0	100%	70 - 130	1	30	11E0737		05-19-2011
Carbon disulfide	9.26	0.50		ppbv	10.0	93%	70 - 130	3	30	11E0737		05-19-2011
Carbon tetrachloride	10.8	0.50		ppbv	10.0	108%	70 - 130	9	30	11E0737		05-19-2011
Chlorobenzene	11.1	0.50		ppbv	10.0	111%	70 - 130	9	30	11E0737		05-19-2011
Chloroethane	9.88	0.50		ppbv	10.0	99%	70 - 130	5	30	11E0737		05-19-2011
Chloroform	10.2	0.50		ppbv	10.0	102%	70 - 130	9	30	11E0737		05-19-2011
Chloromethane	9.53	0.50		ppbv	10.0	95%	70 - 130	2	30	11E0737		05-19-2011
cis-1,2-Dichloroethene	9.77	0.50		ppbv	10.0	98%	70 - 130	10	30	11E0737		05-19-2011
cis-1,3-Dichloropropene	11.2	0.50		ppbv	10.0	112%	70 - 130	11	30	11E0737		05-19-2011
Cyclohexane	9.67	0.50		ppbv	10.0	97%	70 - 130	9	30	11E0737		05-19-2011
Dibromochloromethane	12.1	0.50		ppbv	10.0	121%	70 - 130	9	30	11E0737		05-19-2011
Dichlorodifluoromethane	10.1	0.50		ppbv	10.0	101%	70 - 130	1	30	11E0737		05-19-2011
Dichlorotetrafluoroethane(F-114)	9.84	0.50		ppbv	10.0	98%	70 - 130	2	30	11E0737		05-19-2011
Ethyl Acetate	10.4	0.50		ppbv	10.0	104%	70 - 130	11	30	11E0737		05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUE1279
Project: Motorola Air
Project Number: Motorola 52

Received: 05/19/11
Reported: 05/20/11 13:17

LCS Dup - Cont.

Analyte	Result	RL	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Volatile Organic Compounds by EPA TO-15												
11E0737-BSD1												
Ethylbenzene	11.6	0.50		ppbv	10.0	116%	70 - 130	11	30	11E0737		05-19-2011
Freon 113	10.1	0.50		ppbv	10.0	101%	70 - 130	9	30	11E0737		05-19-2011
Heptane	10.7	0.50		ppbv	10.0	107%	70 - 130	7	30	11E0737		05-19-2011
Hexachlorobutadiene	13.8	1.00	L3,N1	ppbv	10.0	138%	70 - 130	10	30	11E0737		05-19-2011
Hexane	9.42	0.50		ppbv	10.0	94%	70 - 130	9	30	11E0737		05-19-2011
Isopropylbenzene	12.8	0.50		ppbv	10.0	128%	70 - 130	9	30	11E0737		05-19-2011
m,p-Xylenes	23.3	1.00		ppbv	20.0	116%	70 - 130	12	30	11E0737		05-19-2011
Methylene Chloride	9.28	0.50		ppbv	10.0	93%	70 - 130	8	30	11E0737		05-19-2011
Methyl-tert-butyl Ether (MTBE)	7.92	1.00		ppbv	10.0	79%	70 - 130	12	30	11E0737		05-19-2011
Naphthalene	13.5	5.00	V1,L3	ppbv	10.0	135%	70 - 130	0.4	30	11E0737		05-19-2011
n-Butylbenzene	14.4	0.50	L3	ppbv	10.0	144%	70 - 130	11	30	11E0737		05-19-2011
n-Nonane (C9)	11.6	0.50		ppbv	10.0	116%	70 - 130	7	30	11E0737		05-19-2011
n-Octane (C8)	11.6	0.50		ppbv	10.0	116%	70 - 130	9	30	11E0737		05-19-2011
n-Propylbenzene	13.2	0.50	L3	ppbv	10.0	132%	70 - 130	10	30	11E0737		05-19-2011
o-Xylene	11.7	0.50		ppbv	10.0	117%	70 - 130	9	30	11E0737		05-19-2011
Propene	8.71	0.50		ppbv	10.0	87%	70 - 130	3	30	11E0737		05-19-2011
sec-Butylbenzene	13.6	0.50	L3	ppbv	10.0	136%	70 - 130	10	30	11E0737		05-19-2011
Styrene	12.2	0.50		ppbv	10.0	122%	70 - 130	10	30	11E0737		05-19-2011
tert-Butylbenzene	13.4	0.50	L3	ppbv	10.0	134%	70 - 130	9	30	11E0737		05-19-2011
Tetrachloroethene	10.7	0.50		ppbv	10.0	107%	70 - 130	6	30	11E0737		05-19-2011
Tetrahydrofuran	10.0	2.00		ppbv	10.0	100%	70 - 130	9	30	11E0737		05-19-2011
Toluene	11.4	0.50		ppbv	10.0	114%	70 - 130	12	30	11E0737		05-19-2011
trans-1,2-Dichloroethene	10.0	0.50		ppbv	10.0	100%	70 - 130	9	30	11E0737		05-19-2011
trans-1,3-Dichloropropene	11.6	0.50		ppbv	10.0	116%	70 - 130	12	30	11E0737		05-19-2011
Trichloroethene	10.6	0.50		ppbv	10.0	106%	70 - 130	5	30	11E0737		05-19-2011
Trichlorofluoromethane	11.0	0.50		ppbv	10.0	110%	70 - 130	4	30	11E0737		05-19-2011
Vinyl Acetate	9.81	0.50		ppbv	10.0	98%	70 - 130	15	30	11E0737		05-19-2011
Vinyl chloride	9.37	0.50		ppbv	10.0	94%	70 - 130	0.6	30	11E0737		05-19-2011
Surrogate: 4-Bromofluorobenzene	10.2	0.50		ppbv	10.0	102%	70 - 130			11E0737		05-19-2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE1279	Received: 05/19/11
6155 E. Indian School Rd., Suite 200			Reported: 05/20/11 13:17
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUE1279	Received: 05/19/11
6155 E. Indian School Rd., Suite 200			Reported: 05/20/11 13:17
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

DATA QUALIFIERS AND DEFINITIONS

L3	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
N1	See case narrative.
V1	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

ADDITIONAL COMMENTS

PUE1279

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

TestAmerica Phoenix
4645 E. Cotton Center Blvd, Bldg 3, Ste 189
Phoenix, AZ 85040
Phone 602.437.3340 Fax 602.454.9303

Page 1 of 1 COCs

Client Contact Information	Project Manager: Todd Cruse	Samples Collected By: Russell Granfors
Company: Clear Creek Associates	Phone: 480-659-7131	
Address: 6155 E. Indian School	Email: tcruse@clearcreekassociates.com	
City/State/Zip Scottsdale, AZ 85251	Site Contact:	
Phone: 480-659-7131	LAB Contact:	
FAX: 480-659-7143	Analysis Turnaround Time	
Project Name: Motorola 52	Standard (Specify)	
Site:	Rush (Specify) 48hr	
PO #		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Model (Liters)	Flow Controller ID	Canister ID	TO-15 (Full or IAQ)	TO-14A	TO-3	EPA 25C	ASTM D-1946 (Fixed Gases)	Other (Please specify in notes section)	Sample Type	Indoor Air (IAQ)	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV51-15	5/19/11	0943	0945	0.4, 1.0, 6.0		1460											✓	01
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														
				0.4, 1.0, 6.0														

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Russell Granfors	Date/Time: 5/19/11 1628	Received by:	
Relinquished by:	Date/Time: 5-19-11 16:28	Received by:	20.0°C

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TAL-0042 (02/08)

Appendix E

Data Validation Reports

(Provided in CD of report)

This page intentionally left blank for duplex printing

Innovative
Technical
Solutions, Inc.
A Gilbane Company

June 27, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: H&P PROJECT: MC041811-A2 WEEK ONE
MOTOROLA 52ND STREET, OPERABLE UNIT ONE

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a selected list of volatile organic compounds (VOCs) by EPA Method TO-15, Modified. The primary analytical laboratory was H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Table 1 Analytical Summary and Cross Reference For Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Field Duplicates
SV25-15, P670cc	18-Apr-11	E104060-01	28-Apr-11	PS1
SV25-15Dupp,P770cc	18-Apr-11	E104060-02	28-Apr-11	FD1
SV25-5, P506cc	19-Apr-11	E104067-01	28-Apr-11	
SV24-15, P453cc	19-Apr-11	E104067-02	28-Apr-11	
SV24-5, P381cc	19-Apr-11	E104067-03	28-Apr-11	
SV05-15, P550cc	19-Apr-11	E104067-04	28-Apr-11	
SV05-5, P405cc	19-Apr-11	E104067-05	28-Apr-11	
SV04-15, P502cc	19-Apr-11	E104067-06	28-Apr-11	PS2
SV04-15 Dup, P552cc	19-Apr-11	E104067-07	28-Apr-11	FD2
SV04-5, P381cc	19-Apr-11	E104067-08	28-Apr-11	
SV26-15, P550cc	20-Apr-11	E104071-01	28-Apr-11	
SV26-5, P430cc	20-Apr-11	E104071-02	28-Apr-11	
SV03-15, P550cc	20-Apr-11	E104071-03	28-Apr-11	
SV03-5, P406cc	20-Apr-11	E104071-04	28-Apr-11	
SV15-15,P502cc	20-Apr-11	E104071-05	28-Apr-11	
SV15-5, P406cc	20-Apr-11	E104071-06	28-Apr-11	
SV16-15, P453cc	20-Apr-11	E104071-07	28-Apr-11	
SV16-5, P357cc	20-Apr-11	E104071-08	28-Apr-11	
SV17-15, P502cc	20-Apr-11	E104071-09	28-Apr-11	
SV17-5, P406cc	20-Apr-11	E104071-10	28-Apr-11	PS3
SV17-5 Dup, P456cc	20-Apr-11	E104071-11	28-Apr-11	FD3
SV14-15, P478cc	20-Apr-11	E104071-12	28-Apr-11	
SV14-5, P381cc	20-Apr-11	E104071-13	28-Apr-11	
SV13-15, P526cc	21-Apr-11	E104079-01	28-Apr-11	
SV13-5, P357cc	21-Apr-11	E104079-02	28-Apr-11	
SV09-15, P542cc	21-Apr-11	E104079-03	28-Apr-11	
SV09-5, P381cc	21-Apr-11	E104079-04	28-Apr-11	
SV14-15, P955cc	21-Apr-11	E104079-05	28-Apr-11	
SV13-15_3PV, P1052cc	21-Apr-11	E104079-06	28-Apr-11	
SV08-15, P521cc	21-Apr-11	E104079-07	28-Apr-11	
SV08-5, P425cc	21-Apr-11	E104079-08	28-Apr-11	PS4
SV08-5 Dup, P475cc	21-Apr-11	E104079-09	28-Apr-11	FD4
Equipment Blank	22-Apr-11	E104094-01	28-Apr-11	
SV07-15, P478cc	22-Apr-11	E104094-02	28-Apr-11	
SV07-5, P381cc	22-Apr-11	E104094-03	28-Apr-11	
SV06-15, P478cc	22-Apr-11	E104094-04	28-Apr-11	PS5
SV06-15 Dup, P528cc	22-Apr-11	E104094-05	28-Apr-11	FD5
SV06-5, P381cc	22-Apr-11	E104094-06	28-Apr-11	
SV02-15, P164cc	23-Apr-11	E104101-01	28-Apr-11	
SV02-5, P357cc	23-Apr-11	E104101-02	28-Apr-11	
SV12-15, P453cc	23-Apr-11	E104101-03	28-Apr-11	

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Field Duplicates
SV12-5, P381cc	23-Apr-11	E104101-04	28-Apr-11	PS6
SV12-5 Dup, P431cc	23-Apr-11	E104101-05	28-Apr-11	FD6
SV10-15, P453cc	23-Apr-11	E104101-06	28-Apr-11	
SV10-5, P357cc	23-Apr-11	E104101-07	28-Apr-11	
SV11-15, P453cc	23-Apr-11	E104101-08	28-Apr-11	
SV11-5, P357cc	23-Apr-11	E104101-09	28-Apr-11	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic QC summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) April 18 through April 23, 2011sampling event were available for review. There were no anomalies that required qualification of the data, however the following observation was made.

- A couple of corrections to the COCs were made by writing over the original data. Sample corrections should be done with a single line strike out and the initials of the sampler. No data qualifiers are required.

- The relinquishing time was incorrect on SDG E104067. Since the times the samples were delivered to the laboratory are documented for each sample, no action is required. To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 minutes after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibration summaries were not reviewed for this level of data validation, however, laboratory flags were reviewed for calibration anomalies. There were no calibration anomalies that required qualification of the data.

6.0 BLANK EVALUATION

Method blanks were analyzed to assess laboratory contamination. An equipment blank was collected to assess contamination due to the sampling equipment. There were no compounds detected in the blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS)

A single LCS was reported for each analysis. Quality Control (QC) results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy. There were no anomalies that required qualification of the data except as noted below.

- The percent recovery for trichloroethene was out of the upper QAPP limit of 135 at 136 percent in the LCS associated with the samples from SDG E104101. The associated results which were all positive have been qualified as "J" for an estimate value.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, a sample duplicate was collected to measure precision and the LCS was used to measure accuracy. The LCS and sample duplicate are discussed in Sections 7.0 and 11.0, respectively. The duplicate requirement of one per day was met and represented a 15 percent frequency for this sample set.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All recoveries were within the established control limits.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Reporting Limits (CRDLs) listed in the QAPP.

11.0 FIELD DUPLICATE SAMPLES

The field duplicate sets were collected and analyzed for each SDG to measure field and laboratory precision. The relative percent differences (RPDs) for the positive results in the field duplicate pairs were calculated and are listed in Table 2 below. All RPDs were within the criteria of less than 50 except as noted below.

Table 2 Field Duplicate Samples and RPD Results

Primary and Duplicate Samples	Lab ID	Analyte	Primary Sample Result µg/m^3	Duplicate Sample Result µg/m^3	RPD %
SV25-15 SV25-15 Dup	E104060-01/02	1,1-Dichloroethene	66	ND	NC/NA
		1,1,2-Trichlorotrifluoroethane	100	ND	NC/NA
		cis-1,2-Dichloroethene	92	ND	NC/NA
		Chloroform	250	200	22
		Trichloroethene	8600	8700	1
		Tetrachloroethene	110	ND	NC/NA
		Chlorobenzene	33	ND	NC/NA
		1,1-Dichloroethene	66	ND	NC/NA
		1,1,2-Trichlorofluoromethane	100	ND	NC/NA
		cis-1,2-Dichloroethene	92	ND	NC/NA
		Chloroform	250	200	22
SV04-15 SV04-15 Dup	E104067-06/07	1,1,2-Trichlorofluoromethane	57	55	4
		Chloroform	46	51	10
		Trichloroethene	2200	2000	10
		Tetrachloroethene	550	450	20
SV17-5 SV17-5 Dup	E104071-10/11	Chloroform	490	460	6
		Trichloroethene	78	53	38
		Bromodichloromethane	71	39	58
		Chlorobenzene	ND	62	NC/NA
SV08-5 SV08-5 Dup	E104079-08/09	Chloroform	240	230	4
		Bromodichloromethane	49	35	33
SV06-15 SV06-15 Dup	E104094-04/05	Chloroform	83	84	1

Primary and Duplicate Samples	Lab ID	Analyte	Primary Sample Result µg/m³	Duplicate Sample Result µg/m³	RPD %
SV12-5 SV12-5 Dup	E104101-04/05	Chloroform	120	110	9
		Trichloroethene	88	65	30
		Bromodichloromethane	68	62	9
		1,1,2-Trichlorofluoromethane	ND	45	NC/NA
		Chlorobenzene	ND	43	NC/NA

NA = Not Applicable. Since the field duplicate and primary results are both less than five times the reporting limit, the RPD criteria is not applicable.
NC= Not Calculable
ND = Not Detected

The RPD for bromodichloromethane was out of the QAPP criteria of less than 50 percent at 58 percent, in field duplicate pair SV17-5 / SV17-5 Dup from SDG E104071. Since there was no other measurement of precision for the analysis, the associated positive results for these two compounds in the samples from SDG E104071 have been qualified as "J" for an estimated value. No qualifiers are required for the non-detect results.

12.0 RECOMMENDATIONS

ITSI recommends the following actions.

- A laboratory control sample duplicate (LCSD) should be analyzed to provide a measurement of precision for the analysis.
- To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST OU1 WEEK ONE 2011 SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Reporting Limit
EPA	U.S. Environmental Protection Agency
H&P	H&P Mobile Geochemistry, Inc,
ITSI	Innovative Technical Solutions, Inc.
LCS/LCSD	laboratory control sample/laboratory control sample duplicate
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
$\mu g/m^3$	micrograms per cubic meter
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV04-5, P381cc (E104067-08) Vapor Sampled: 19-Apr-11 Received: 19-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED11906	19-Apr-11	19-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**380**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74.0 %*		*56-127*	"	"	"	"	
SV26-15, P550cc (E104071-01) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**96**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3200 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**48 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV26-15, P550cc (E104071-01) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	**57**	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.9 %*	*56-127*		"	"	"	"	
SV26-5, P430cc (E104071-02) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**60**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**71**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.5 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV03-15, P550cc (E104071-03) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**630**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**410** J	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**80**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.8 %*		*56-127*	"	"	"	"	
SV03-5, P406cc (E104071-04) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**330**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**220** J	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV03-5, P406cc (E104071-04) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	**47**	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.8 %*	*56-127*		"	"	"	"	
SV15-15, P502cc (E104071-05) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**67** J	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.1 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV15-5, P406cc (E104071-06) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**25**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**30 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*		*56-127*	"	"	"	"	
SV16-15, P453cc (E104071-07) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**87**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**31 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**35 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV16-15, P453cc (E104071-07) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.5 %*		*56-127*	"	"	"	"	
SV16-5, P357cc (E104071-08) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**44**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**35 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates
6155 E. Indian School Road Suite 200
Scottsdale, AZ 85251-5499

Project: MC041811-A2
Project Number: Task Order 2011-01/ Motorola
Project Manager: Todd Cruse

Reported:
28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV17-15, P502cc (E104071-09) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**27**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**1000**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**59 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.8 %*		*56-127*	"	"	"	"	
SV17-5, P406cc (E104071-10) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**490**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**78 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**71 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV17-5, P406cc (E104071-10) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.4 %*		*56-127*	"	"	"	"	
SV17-5 Dup, P456cc (E104071-11) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**460**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**53 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**39 J**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**62**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*80.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.4 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-15, P478cc (E104071-12) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**42**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**130**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**310**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**190 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**74**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*65.6 %*		*56-127*		"	"	"	
SV14-5, P381cc (E104071-13) Vapor Sampled: 20-Apr-11 Received: 20-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12002	20-Apr-11	20-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**40**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**130**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**65 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result		Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV06-5, P381cc (E104094-06) Vapor Sampled: 22-Apr-11 Received: 22-Apr-11										
Tetrachloroethene	ND		34	ug/m3	1	ED12205	22-Apr-11	22-Apr-11	EPA TO-15	
Chlorobenzene	ND		23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		35	"	"	"	"	"	"	
Surrogate: Toluene-d8			*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*77.4 %*		*56-127*	"	"	"	"	
SV02-15, P164cc (E104101-01) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11										
Isopropyl alcohol (LCC)	ND		10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND		13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**2200**		20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**6100**		96	"	2.5	"	"	"	"	
Methylene chloride (Dichloromethane)	ND		18	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND		40	"	"	"	"	"	"	
1,1-Dichloroethane	ND		41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**40**		40	"	"	"	"	"	"	
Chloroform	**160**		25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**570**		28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND		21	"	"	"	"	"	"	
Carbon tetrachloride	ND		13	"	"	"	"	"	"	
Trichloroethene	**4000**	**J**	68	"	2.5	"	"	"	"	
Bromodichloromethane	ND		34	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND		28	"	"	"	"	"	"	
Tetrachloroethene	**1900**		34	"	"	"	"	"	"	
Chlorobenzene	ND		23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		35	"	"	"	"	"	"	
Surrogate: Toluene-d8			*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*80.2 %*		*56-127*	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV02-5, P357cc (E104101-02) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**860**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**4000**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**250**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3300 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**900**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.9 %*		*56-127*	"	"	"	"	
SV12-15, P453cc (E104101-03) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**69**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-15, P453cc (E104101-03) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*56-127*		"	"	"	"	
SV12-5, P381cc (E104101-04) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**120**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**88 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**68**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*61.5 %*	*56-127*		"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-5 Dup, P431cc (E104101-05) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**65 J**	27	"	"	"	"	"	"	
Bromodichloromethane	**62**	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	**43**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*	*56-127*		"	"	"	"	
SV10-15, P453cc (E104101-06) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**61**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**280 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV10-15, P453cc (E104101-06) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Tetrachloroethene	ND	34	ug/m3	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.4 %*		*56-127*	"	"	"	"	
SV10-5, P357cc (E104101-07) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**91 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*114 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.0 %*		*56-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01/ Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	28-Apr-11 15:37

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-15, P453cc (E104101-08) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**250**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**850 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.1 %*		*56-127*	"	"	"	"	
SV11-5, P357cc (E104101-09) Vapor Sampled: 23-Apr-11 Received: 23-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12301	23-Apr-11	23-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**86**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**290 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Soil Gas Sampling Week One
Qualified Results Table
Project Number 04161.1200

SDG	Client ID	H&P Lab ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E104071	SV26-15, P550cc	E104071-01	04/20/2011 08:29:00	Vapor	EPA TO-15	Bromodichloromethane	48	J	48 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104071	SV16-15, P453cc	E104071-07	04/20/2011 12:59:00	Vapor	EPA TO-15	Bromodichloromethane	35	J	35 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104071	SV16-5, P357cc	E104071-08	04/20/2011 13:36:00	Vapor	EPA TO-15	Bromodichloromethane	35	J	35 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104071	SV17-15, P502cc	E104071-09	04/20/2011 14:10:00	Vapor	EPA TO-15	Bromodichloromethane	59	J	59 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104071	SV17-5, P406cc	E104071-10	04/20/2011 14:49:00	Vapor	EPA TO-15	Bromodichloromethane	71	J	71 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104071	SV17-5 Dup, P456cc	E104071-11	04/20/2011 15:24:00	Vapor	EPA TO-15	Bromodichloromethane	39	J	39 J	34	ug/m3	FD RPD	ITSI/EHD/PGC
E104101	SV02-15, P164cc	E104101-01	04/23/2011 08:49:00	Vapor	EPA TO-15	Trichloroethene	4000	J	4000 J	68	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV02-5, P357cc	E104101-02	04/23/2011 09:45:00	Vapor	EPA TO-15	Trichloroethene	3300	J	3300 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV12-15, P453cc	E104101-03	04/23/2011 10:14:00	Vapor	EPA TO-15	Trichloroethene	230	J	230 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV12-5, P381cc	E104101-04	04/23/2011 10:43:00	Vapor	EPA TO-15	Trichloroethene	88	J	88 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV12-5 Dup, P431cc	E104101-05	04/23/2011 11:10:00	Vapor	EPA TO-15	Trichloroethene	65	J	65 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV10-15, P453cc	E104101-06	04/23/2011 11:37:00	Vapor	EPA TO-15	Trichloroethene	280	J	280 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV10-5, P357cc	E104101-07	04/23/2011 12:08:00	Vapor	EPA TO-15	Trichloroethene	91	J	91 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV11-15, P453cc	E104101-08	04/23/2011 12:35:00	Vapor	EPA TO-15	Trichloroethene	850	J	850 J	27	ug/m3	LCS %R	ITSI/EHD/PGC
E104101	SV11-5, P357cc	E104101-09	04/23/2011 13:04:00	Vapor	EPA TO-15	Trichloroethene	290	J	290 J	27	ug/m3	LCS %R	ITSI/EHD/PGC

Notes
J = estimated value
U = non-detect at the PQL
µg/m3 = micrograms per cubic meter

FD = Field duplicate
LCS = Laboratory control sample
ND = Not detected
PQL = Practical Quantitation Limit
%R = Percent recovery
RPD = Relative percent difference

Innovative
Technical
Solutions, Inc.
A Gilbane Company

June 27, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: H&P PROJECT: MC041811-A2 WEEK TWO
MOTOROLA 52ND STREET OPERABLE UNIT ONE

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a selected list of volatile organic compounds (VOCs) by EPA Method TO-15, Modified. The primary analytical laboratory was H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Field Duplicates
SV23-15, P478cc	25-Apr-2011	E104102-01	06-May-2011	
SV23-5, P357cc	25-Apr-2011	E104102-02	06-May-2011	
SV01-15, P478cc	25-Apr-2011	E104102-03	06-May-2011	
SV01-5, P357cc	25-Apr-2011	E104102-04	06-May-2011	
SV21-15, P478cc	25-Apr-2011	E104102-05	06-May-2011	
SV21-5, P357cc	25-Apr-2011	E104102-06	06-May-2011	
SV22-15, P478cc	25-Apr-2011	E104102-07	06-May-2011	PS1
SV22-15 Dup, P528cc	25-Apr-2011	E104102-08	06-May-2011	FD1
SV22-5, P381cc	25-Apr-2011	E104102-09	06-May-2011	
SV18-15, P478cc	25-Apr-2011	E104102-10	06-May-2011	PS2
SV18-15 Dup, P528cc	25-Apr-2011	E104102-11	06-May-2011	FD2
SV18-5, P357cc	25-Apr-2011	E104102-12	06-May-2011	
SV20-15, P453cc	26-Apr-2011	E104107-01	06-May-2011	
SV20-5, P357cc	26-Apr-2011	E104107-02	06-May-2011	
SV19-15, P453cc	26-Apr-2011	E104107-03	06-May-2011	
SV19-5, P381cc	26-Apr-2011	E104107-04	06-May-2011	
Equipment Blank	26-Apr-2011	E104107-05	06-May-2011	
SV35-15, P478cc	26-Apr-2011	E104107-06	06-May-2011	PS3
SV35-15 Dup, P578cc	26-Apr-2011	E104107-07	06-May-2011	FD3
SV35-5, P357cc	26-Apr-2011	E104107-08	06-May-2011	
SV36-15, P453cc	26-Apr-2011	E104107-09	06-May-2011	
SV36-5, P357cc	26-Apr-2011	E104107-10	06-May-2011	
SV24-15, P492cc	27-Apr-2011	E104119-01	06-May-2011	
SV24-5, P203cc	27-Apr-2011	E104119-02	06-May-2011	
SV05-15, P492cc	27-Apr-2011	E104119-03	06-May-2011	
SV05-5, P203cc	27-Apr-2011	E104119-04	06-May-2011	
SV04-15, P492cc	27-Apr-2011	E104119-05	06-May-2011	
SV04-5, P203cc	27-Apr-2011	E104119-06	06-May-2011	PS4
SV04-5 Dup, P253cc	27-Apr-2011	E104119-07	06-May-2011	FD4
SV28-15, P478cc	28-Apr-2011	E104124-01	06-May-2011	
SV28-5, P381cc	28-Apr-2011	E104124-02	06-May-2011	
SV27-15, P502cc	28-Apr-2011	E104124-03	06-May-2011	
SV27-5, P357cc	28-Apr-2011	E104124-04	06-May-2011	
SV29-15, P478cc	28-Apr-2011	E104124-05	06-May-2011	
SV29-5, P381cc	28-Apr-2011	E104124-06	06-May-2011	PS5
SV29-5 Dup, P431cc	28-Apr-2011	E104124-07	06-May-2011	FD5
SV33-15, P478cc	28-Apr-2011	E104124-08	06-May-2011	
SV33-5, P357cc	28-Apr-2011	E104124-09	06-May-2011	
SV34-15, P478cc	28-Apr-2011	E104124-10	06-May-2011	
SV34-5, P357cc	28-Apr-2011	E104124-11	06-May-2011	
SV30-15, P478cc	28-Apr-2011	E104124-12	06-May-2011	
SV30-5, P502cc	28-Apr-2011	E104124-13	06-May-2011	

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Field Duplicates
SV31-15, P478cc	29-Apr-2011	E104128-01	06-May-2011	
SV31-5, P357cc	29-Apr-2011	E104128-02	06-May-2011	
SV32-15, P453cc	29-Apr-2011	E104128-03	06-May-2011	
SV32-5, P357cc	29-Apr-2011	E104128-04	06-May-2011	
SV45-15, P478cc	29-Apr-2011	E104128-05	06-May-2011	
SV45-5, P357cc	29-Apr-2011	E104128-06	06-May-2011	
SV37-15, P478cc	29-Apr-2011	E104128-07	06-May-2011	
SV37-5, P357cc	29-Apr-2011	E104128-08	06-May-2011	
SV44-15, P478cc	29-Apr-2011	E104128-09	06-May-2011	
SV44-5, P357cc	29-Apr-2011	E104128-10	06-May-2011	PS6
SV44-5 Dup, P407cc	29-Apr-2011	E104128-11	06-May-2011	FD6
SV43-15, P478cc	29-Apr-2011	E104128-12	06-May-2011	
SV43-5, P357cc	29-Apr-2011	E104128-13	06-May-2011	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic QC summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) April 25 through April 29, 2011 sampling event were available for review. There were no anomalies that required qualification of the data.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 minutes after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibration summaries were not reviewed for this level of data validation, however, laboratory flags were reviewed for calibration anomalies. There were no calibration anomalies that required qualification of the data.

6.0 BLANK EVALUATION

Method blanks were analyzed to assess laboratory contamination. An equipment blank was collected to assess contamination due to the sampling equipment. There were no compounds detected in the blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS)

A single LCS was reported for each analysis. Quality Control (QC) results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy. There were no anomalies that required qualification of the data.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, a sample duplicate was collected to measure precision and the LCS was used to measure accuracy. The LCS and sample duplicate are discussed in Sections 7.0 and 11.0, respectively. The duplicate requirement of one per day was met and represented a 12 percent frequency for this sample set.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All recoveries were within the established control limits.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP except as noted below.

- The field duplicate sample SV35-15 Dup did not achieve the QAPP reporting limits for several non-detect results. A ten times (10X) dilution was required to quantitate the large amount of trichloroethene (TCE) in the sample. The associated primary sample also had similar amounts of TCE and was analyzed at

a 10X dilution for TCE and at one times (1X) dilution for other compounds. The field duplicate sample should have also been analyzed at a 1X dilution to achieve the QAPP reporting limits for the non-detect results. Since this is a field duplicate and not a primary sample, no qualifiers are required.

11.0 FIELD DUPLICATE SAMPLES

The field duplicate sets were collected and analyzed for each SDG to measure field and laboratory precision. The relative percent differences (RPDs) for the positive results in the field duplicate pairs were calculated and are listed in Table 2 below. All RPDs were within the criteria of less than 50 except as noted below.

Table 2 Field Duplicate Samples and RPD Results

Primary (PO) and Duplicate Samples (D1)	Lab ID	Analyte	Primary Sample Result µg/m³	Duplicate Sample Result µg/m³	RPD %
SV22-15 SV22-15 Dup	E104102-07/08	1,1,2-Trichlorotrifluoroethane	42	ND	NC/NA
		Chloroform	43	49	13
		Trichloroethene	100	97	3
		Tetrachloroethene	88	84	5
SV18-15 SV18-15 Dup	E104102-10/11	1,1,2-Trichlorotrifluoroethane	ND	45	NC/NA
		Chloroform	28	29	4
		Tetrachloroethene	180	100	57
		Chlorobenzene	ND	24	NC/NA
*SV35-15 SV35-15 Dup	E104107-06/07	1,1-Dichloroethene	52	ND	NC/NA
		1,1,2-Trichlorotrifluoroethane (F113)	150	ND	NC/NA
		cis-1,2-Dichloroethene	50	ND	NC/NA
		Chloroform	120	ND	NC/NA
		Trichloroethene	17000	16000	6
		Tetrachloroethene	98	ND	NC/NA
SV04-5 SV04-5 Dup	E104119-06/07	1,1,2-Trichlorotrifluoroethane	ND	42	NC/NA
		Trichloroethene	520	440	17
		Tetrachloroethene	260	210	21
		Chlorobenzene	ND	57	NC/NA

Primary (PO) and Duplicate Samples (D1)	Lab ID	Analyte	Primary Sample Result µg/m^3	Duplicate Sample Result µg/m^3	RPD %
SV29-5 SV29-5 Dup	E104124-06/07	1,1,2-Trichlorotrifluoroethane	66	66	0
		Chloroform	160	150	6
		Trichloroethene	3400	2800	19
		Bromodichloromethane	96	94	2
		Tetrachloroethene	130	98	28
		Chlorobenzene	29	53	59/NA
SV44-5 SV44-5 Dup	E104128-10/11	cis-1,2-Dichloroethene	48	ND	NC/NA
		Chloroform	35	26	30
		Trichloroethene	770	690	11
		Tetrachloroethene	130	90	36/NA
		Chlorobenzene	ND	30	NC/NA

NA = Not Applicable. Since the field duplicate and primary results are both less than five times the reporting limit, the RPD criteria is not applicable.
NC= Not Calculable
ND = Not Detected

The RPD for tetrachloroethene was out of the QAPP criteria of less than 50 percent at 57 percent in field duplicate pair SV18-15/ SV18-15Dup from SDG E104102. Since there was no other measurement of precision for the analysis, the associated positive results for this compound in the samples from SDG E104071 have been qualified as "J" for an estimated value. No qualifiers are required for the non-detect results.

*Field duplicate sample SV35-15 Dup from SDG E104107 was not analyzed at the same dilution as the primary sample, SV35-15, except TCE. No qualifiers are required, however, it is recommended that the laboratory analyzed primary and duplicate samples at the same dilution for each compound.

12.0 RECOMMENDATIONS

ITSI recommends the following actions.

- A laboratory control sample duplicate (LCSD) should be analyzed to provide a measurement of precision for the analysis.
- The primary and field duplicate samples should be analyzed at the same dilution for each compound.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST OU1 WEEK TWO 2011 SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Detection Limits
EPA	U.S. Environmental Protection Agency
H&P	H&P Mobile Geochemistry, Inc,
ITSI	Innovative Technical Solutions, Inc.
LCS	laboratory control spike
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
$\mu g/m^3$	micrograms per cubic meter
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV22-15, P478cc (E104102-07) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**42**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**43**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**100**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**88 J**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8	**PGC ITSI 15June2011**	*116 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.8 %*		*56-127*		"	"	"	
SV22-15 Dup, P528cc (E104102-08) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							A
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**49**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**97**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV22-15 Dup, P528cc (E104102-08) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									A
Tetrachloroethene	**84 J**	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*69.0 %*	*56-127*		"	"	"	"	
SV22-5, P381cc (E104102-09) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**27**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**49**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**51 J**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*111 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.5 %*	*56-127*		"	"	"	"	

PGC ITSI
15June2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15, P478cc (E104102-10) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**28**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**180 J**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
	PGC ITSI								
Surrogate: Toluene-d8	**15June2011**	*106 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*		*56-127*		"	"	"	
SV18-15 Dup, P528cc (E104102-11) Vapor	**Sampled: 25-Apr-11**	**Received: 25-Apr-11**							
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**45**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**29**	25	"	"	"	"	"	"	
1,1,I-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
I,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	06-May-11 11:42

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV18-15 Dup, P528cc (E104102-11) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Tetrachloroethene	**100 J**	34	ug/m3	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Chlorobenzene	**24**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.9 %*	*56-127*		"	"	"	"	
SV18-5, P357cc (E104102-12) Vapor Sampled: 25-Apr-11 Received: 25-Apr-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	ED12501	25-Apr-11	25-Apr-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**67 J**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.0 %*	*56-127*		"	"	"	"	

PGC ITSI
15June2011

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Soil Gas Sampling Week Two
Qualified Results Table
Project Number 04161.1200

SDG	Client ID	H&P Lab ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E104102	SV22-15, P478cc	E104102-07	04/25/2011 13:52:00	Vapor	EPA TO-15	Tetrachloroethene	88	J	88	34	ug/m3	FD RPD	ITSI/PGC/EHD
E104102	SV22-15 Dup, P528cc	E104102-08	04/25/2011 14:18:00	Vapor	EPA TO-15	Tetrachloroethene	84	J	84	34	ug/m3	FD RPD	ITSI/PGC/EHD
E104102	SV22-5, P381cc	E104102-09	04/25/2011 14:52:00	Vapor	EPA TO-15	Tetrachloroethene	51	J	51	34	ug/m3	FD RPD	ITSI/PGC/EHD
E104102	SV18-15, P478cc	E104102-10	04/25/2011 15:24:00	Vapor	EPA TO-15	Tetrachloroethene	180	J	180	34	ug/m3	FD RPD	ITSI/PGC/EHD
E104102	SV18-15 Dup, P528cc	E104102-11	04/25/2011 15:51:00	Vapor	EPA TO-15	Tetrachloroethene	100	J	100	34	ug/m3	FD RPD	ITSI/PGC/EHD
E104102	SV18-5, P357cc	E104102-12	04/25/2011 16:15:00	Vapor	EPA TO-15	Tetrachloroethene	67	J	67	34	ug/m3	FD RPD	ITSI/PGC/EHD

Notes
J = estimated value
µg/m3 = micrograms per cubic meter

FD = Field duplicate
PQL = Practical Quantitation Limit
RPD = Relative percent difference

Innovative
Technical
Solutions, Inc.
A Gilbane Company

June 27, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: H&P PROJECT: MC041811-A2 WEEK THREE
MOTOROLA 52ND STREET OPERABLE UNIT ONE

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were validated as a Tier 1B data validation. The SDGs contained data for a selected list of volatile organic compounds (VOCs) by EPA Method TO-15, Modified. The primary analytical laboratory was H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG and EPA Tier review level.

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	FD Pairs	EPA Tier Review Level
SV38-15, P478cc	02-May-2011	E105001-01	12-May-2011		Tier 1B
SV38-5, P357cc	02-May-2011	E105001-02	12-May-2011		Tier 1B
SV06-15, P492cc	02-May-2011	E105001-03	12-May-2011		Tier 1B
SV06-5, P203cc	02-May-2011	E105001-04	12-May-2011		Tier 1B
SV25-15, P492cc	02-May-2011	E105001-05	12-May-2011		Tier 1B
SV25-5, P203cc	02-May-2011	E105001-06	12-May-2011		Tier 1B
SV12-15, P492cc	02-May-2011	E105001-07	12-May-2011		Tier 1B
SV12-5, P203cc	02-May-2011	E105001-08	12-May-2011		Tier 1B
SV26-15, P492cc	02-May-2011	E105001-09	12-May-2011	PS1	Tier 1B
SV26-15 Dup, P542cc	02-May-2011	E105001-10	12-May-2011	FD1	Tier 1B
SV26-5, P203cc	02-May-2011	E105001-11	12-May-2011		Tier 1B
SV03-15, P492cc	03-May-2011	E105008-01	12-May-2011		Tier 3
SV03-5, P203cc	03-May-2011	E105008-02	12-May-2011		Tier 3
SV14-15, P492cc	03-May-2011	E105008-03	12-May-2011		Tier 3
SV14-5, P203cc	03-May-2011	E105008-04	12-May-2011	PS2	Tier 3
SV14-5 Dup, P253cc	03-May-2011	E105008-05	12-May-2011	FD2	Tier 3
SV15-15, P492cc	03-May-2011	E105008-06	12-May-2011		Tier 3
SV15-5, P203cc	03-May-2011	E105008-07	12-May-2011		Tier 3
SV16-15, P492cc	03-May-2011	E105008-08	12-May-2011		Tier 3
SV16-5, P203cc	03-May-2011	E105008-09	12-May-2011		Tier 3
SV17-15, P492cc	03-May-2011	E105008-10	12-May-2011		Tier 3
SV17-5, P203cc	03-May-2011	E105008-11	12-May-2011		Tier 3
SV13-15, P492cc	03-May-2011	E105008-12	12-May-2011		Tier 3
SV13-5, P203cc	03-May-2011	E105008-13	12-May-2011		Tier 3
SV23-15, P492cc	04-May-2011	E105011-01	12-May-2011		Tier 1B
SV23-5, P203cc	04-May-2011	E105011-02	12-May-2011		Tier 1B
SV21-15, P492cc	04-May-2011	E105011-03	12-May-2011		Tier 1B
SV21-5, P203cc	04-May-2011	E105011-04	12-May-2011		Tier 1B
SV01-15, P492cc	04-May-2011	E105011-05	12-May-2011		Tier 1B
SV01-5, P203cc	04-May-2011	E105011-06	12-May-2011		Tier 1B
SV02-5, P203cc	04-May-2011	E105011-07	12-May-2011		Tier 1B
SV02-15, P492cc	04-May-2011	E105011-08	12-May-2011		Tier 1B
SV09-15, P492cc	04-May-2011	E105011-09	12-May-2011	PS3	Tier 1B
SV09-15 Dup, P542cc	04-May-2011	E105011-10	12-May-2011	FD3	Tier 1B
SV09-5, P203cc	04-May-2011	E105011-11	12-May-2011		Tier 1B
SV08-15, P492cc	05-May-2011	E105013-01	12-May-2011		Tier 3
SV08-5, P203cc	05-May-2011	E105013-02	12-May-2011		Tier 3
SV07-15, P492cc	05-May-2011	E105013-03	12-May-2011		Tier 3
SV07-5, P203cc	05-May-2011	E105013-04	12-May-2011	PS4	Tier 3
SV07-5 Dup, P253cc	05-May-2011	E105013-05	12-May-2011	FD4	Tier 3
SV10-15, P492cc	05-May-2011	E105013-06	12-May-2011		Tier 3
SV10-5, P203cc	05-May-2011	E105013-07	12-May-2011		Tier 3
SV11-15, P492cc	05-May-2011	E105013-08	12-May-2011		Tier 3
SV11-5, P203cc	05-May-2011	E105013-09	12-May-2011		Tier 3
SV22-15, P492cc	05-May-2011	E105013-10	12-May-2011		Tier 3

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	FD Pairs	EPA Tier Review Level
SV22-5, P203cc	05-May-2011	E105013-11	12-May-2011		Tier 3
SV20-15, P492cc	06-May-2011	E105014-01	12-May-2011		Tier 1B
SV20-5, P203cc	06-May-2011	E105014-02	12-May-2011		Tier 1B
SV18-15, P492cc	06-May-2011	E105014-03	12-May-2011		Tier 1B
SV18-5, P203cc	06-May-2011	E105014-04	12-May-2011	PS5	Tier 1B
SV18-5 Dup, P253cc	06-May-2011	E105014-05	12-May-2011	FD5	Tier 1B
SV35-15, P492cc	06-May-2011	E105014-06	12-May-2011		Tier 1B
SV35-5, P203cc	06-May-2011	E105014-07	12-May-2011		Tier 1B
SV45-15, P492cc	06-May-2011	E105014-08	12-May-2011		Tier 1B
SV45-5, P203cc	06-May-2011	E105014-09	12-May-2011		Tier 1B
SV36-15, P492cc	06-May-2011	E105014-10	12-May-2011		Tier 1B
SV36-5, P203cc	06-May-2011	E105014-11	12-May-2011		Tier 1B

FD = Field duplicate sample
PS = Parent sample of field duplicate

The EPA Tier 1B data validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic QC summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality. Two of the SDGs underwent an EPA Tier 3 data validation for which the laboratory provided a Level IV data deliverable. Tier 3 data validation included all the items from the Tier 1B verification plus review of the data for the instrument calibrations, sample raw data, compound identification and internal standard recoveries.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) for week three, May 02 through May 06, 2011, were available for review. There were no anomalies that required qualification of the data, however, the following observations were made.

- A correction to one of the COCs was made by writing over the original data. Sample corrections should be done with a single line strike out and the initials of the sampler. No data qualifiers are required.

- The relinquishing times were missing or incorrect on two of the SDGs. Since the times the samples were delivered to the laboratory are documented for each sample, no action is required. To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 minutes after collection.

5.0 INSTRUMENT TUNE

The daily instrument tunes were reviewed for Tier 3. There were no anomalies that required qualification of the data.

6.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibrations were reviewed for Tier 3 review. There were no calibration anomalies that required qualification of the data, except as noted below.

- The continuing calibration verification percent difference for bromodichloro-methane associated with the samples from SDG E105013 was out of the method criteria of less than 30 percent at 53.7 percent. Since the response was biased high, the associated positive results in samples SV08-15 and SV08-5 have been qualified as "J" for an estimated value. No qualifiers are required for the non-detect results.

7.0 BLANK EVALUATION

Method blanks were analyzed to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

8.0 LABORATORY CONTROL SAMPLE (LCS)

A single LCS was reported for each analysis. Quality Control (QC) results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy. There were no anomalies that required qualification of the data.

9.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, a sample duplicate was collected to measure precision and the LCS was used to measure accuracy. The LCS and sample duplicate are discussed in Sections 7.0 and 11.0, respectively. The duplicate requirement of one per day was met and represented a 10 percent frequency for this sample set.

10.0 SURROGATES AND INTERNAL STANDARDS

Surrogate spike recoveries were reviewed against the laboratory established control limits. The recoveries of the internal standards for the Tier 3 validation were reviewed against the method limits. All surrogate and internal standard recoveries were within control limits.

11.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. For the Tier 3 validation, review and recalculation of the sample raw data from the instrument was performed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP. There were no quantitation anomalies in the Tier 3 validation that required qualification of the data.

12.0 FIELD DUPLICATE SAMPLES

The field duplicate sets were collected and analyzed for each SDG to measure field and laboratory precision. The relative percent differences (RPDs) for the positive results in the field pairs were calculated and are listed in Table 2 below. All RPDs were within the criteria of less than 50 except as noted below.

Table 2 Field Duplicate Samples and RPD Results

Primary (PO) and Duplicate Samples (D1)	Lab ID	Analyte	Primary Sample Result µg/m³	Duplicate Sample Result µg/m³	RPD %
SV26-15 SV26-15 Dup	E105001-09/10	1,1,2-Trichlorotrifluoroethane	88	77	13
		Chloroform	140	120	15
		Trichloroethene	4200	3100	30
		Tetrachloroethene	130	59	75/NA
		Chlorobenzene	ND	67	NC/NA
SV14-5, SV14-5 Dup	E105008-04/05	1,1,2-Trichlorotrifluoroethane	87	68	25
		Chloroform	160	140	13
		Trichloroethene	90	72	22
		Tetrachloroethene	51	48	6
		Chlorobenzene	ND	85	NC/NA
SV09-15 SV09-15 Dup	E105011-09/10	1,1,2-Trichlorotrifluoroethane	ND	42	NC/NA
		Chloroform	250	220	13
		Trichloroethene	50	42	17
		Chlorobenzene	30	97	106/NA
SV07-5 SV07-5 Dup	E105013-04/05	Chloroform	48	64	29
		Chlorobenzene	ND	110	NC/NA
SV18-5 SV18-5 Dup	E105014-04/05	Tetrachloroethene	120	120	0
		Chlorobenzene	ND	110	NC/NA

NA = Not Applicable. Since the field duplicate and primary results are both less than five times the reporting limit, the RPD criteria is not applicable.
NC= Not Calculable
ND = Not Detected

13.0 RECOMMENDATIONS

ITSI recommends the following actions.

- A laboratory control sample duplicate (LCSD) should be analyzed to provide a measurement of precision for the analysis.
- To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

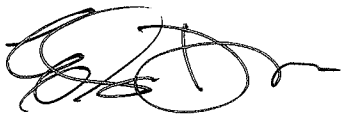
14.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST OU1 WEEK THREE 2011 SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.



Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Detection Limit
EPA	U.S. Environmental Protection Agency
H&P	H&P Mobile Geochemistry, Inc,
ITSI	Innovative Technical Solutions, Inc.
LCS	laboratory control spike
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
$\mu g/m^3$	micrograms per cubic meter
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV09-5, P203cc (E105011-11) Vapor Sampled: 04-May-11 Received: 04-May-11									
Tetrachloroethene	ND	34	ug/m3	1	EE10402	04-May-11	04-May-11	EPA TO-15	
Chlorobenzene	**47**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*83.9 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.1 %*		*56-127*		"	"	"	
SV08-15, P492cc (E105013-01) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**42**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**890**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**45**	27	"	"	"	"	"	"	
Bromodichloromethane	**100 J**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**70**	34	"	"	"	"	"	"	
Chlorobenzene	**72**	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8	**PGC ITSI**	*104 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene	**15June2011**	*91.4 %*		*56-127*		"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	12-May-11 11:40

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV08-5, P203cc (E105013-02) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**360**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
Bromodichloromethane	**47 J**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**48**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8	**PGC ITSI**	*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	**15June2011**	*79.9 %*	*56-127*		"	"	"	"	
SV07-15, P492cc (E105013-03) Vapor Sampled: 05-May-11 Received: 05-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE10501	05-May-11	05-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**220**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**79**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Soil Gas Sampling Week Three
Qualified Results Table
Project Number 04161.1200

H&P Lab ID	Client ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E105013-01	SV08-15, P492cc	05/05/2011 10:33:00	Vapor	EPA TO-15	Bromodichloromethane	100	J	100 J	34	ug/m3	CCV %D	ITSI/PGC/EHD
E105013-02	SV08-5, P203cc	05/05/2011 11:18:00	Vapor	EPA TO-15	Bromodichloromethane	47	J	47 J	34	ug/m3	CCV %D	ITSI/PGC/EHD

Notes
J = estimated value
µg/m3 = micrograms per cubic meter

CCV = CCV
%D = Percent Difference
PQL = Practical Quantitation Limit

Innovative
Technical
Solutions, Inc.
A Gilbane Company

June 28, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: H&P PROJECT: MC041811-A2 WEEK FOUR
MOTOROLA 52ND STREET OPERABLE UNIT ONE

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a selected list of volatile organic compounds (VOCs) by EPA Method TO-15, Modified. The primary analytical laboratory was H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type
SV19-15, P492cc	09-May-2011	E105020-01	19-May-2011	
SV19-5, P203cc	09-May-2011	E105020-02	19-May-2011	
SV27-15, P492cc	09-May-2011	E105020-03	19-May-2011	
SV27-5, P203cc	09-May-2011	E105020-04	19-May-2011	
SV28-15, P492cc	09-May-2011	E105020-05	19-May-2011	PS1
SV28-15 Dup, P542cc	09-May-2011	E105020-06	19-May-2011	FD1
SV28-5, P203cc	09-May-2011	E105020-07	19-May-2011	
SV18-15, P492cc	09-May-2011	E105020-08	19-May-2011	
SV29-15, P492cc	09-May-2011	E105020-09	19-May-2011	
SV29-5, P203cc	09-May-2011	E105020-10	19-May-2011	
SV33-15, P492cc	09-May-2011	E105020-11	19-May-2011	
SV33-5, P203cc	09-May-2011	E105020-12	19-May-2011	
SV34-15, P492cc	10-May-2011	E105023-01	19-May-2011	
SV34-5, P203cc	10-May-2011	E105023-02	19-May-2011	
SV31-15, P492cc	10-May-2011	E105023-03	19-May-2011	
SV31-5, P203cc	10-May-2011	E105023-04	19-May-2011	
SV32-15, P492cc	10-May-2011	E105023-05	19-May-2011	
SV32-5, P203cc	10-May-2011	E105023-06	19-May-2011	
SV39-15, P453cc	10-May-2011	E105023-07	19-May-2011	
SV39-5, P357cc	10-May-2011	E105023-08	19-May-2011	
SV40-15, P435cc	10-May-2011	E105023-09	19-May-2011	PS2
SV40-15 Dup, P485cc	10-May-2011	E105023-10	19-May-2011	FD2
SV40-5, P357cc	10-May-2011	E105023-11	19-May-2011	
SV30-15, P492cc	10-May-2011	E105023-12	19-May-2011	
SV30-5, P203cc	10-May-2011	E105023-13	19-May-2011	
SV50-15, P465cc	11-May-2011	E105029-01	19-May-2011	
SV50-5, P357cc	11-May-2011	E105029-02	19-May-2011	
SV62-15, P453cc	11-May-2011	E105029-03	19-May-2011	PS3
SV62-15 Dup, P503cc	11-May-2011	E105029-04	19-May-2011	FD3
SV62-5, P357cc	11-May-2011	E105029-05	19-May-2011	
SV59-15, P472cc	11-May-2011	E105029-06	19-May-2011	
SV59-5, P357cc	11-May-2011	E105029-07	19-May-2011	
SV63-15, P459cc	11-May-2011	E105029-08	19-May-2011	
SV63-5, P357cc	11-May-2011	E105029-09	19-May-2011	
SV37-15, P492cc	11-May-2011	E105029-10	19-May-2011	
SV37-5, P203cc	11-May-2011	E105029-11	19-May-2011	
SV43-15, P492cc	11-May-2011	E105029-12	19-May-2011	
SV43-5, P203cc	11-May-2011	E105029-13	19-May-2011	
SV47-15, P453cc	12-May-2011	E105039-01	19-May-2011	
SV47-5, P357cc	12-May-2011	E105039-02	19-May-2011	
SV51-15, P459cc	12-May-2011	E105039-03	19-May-2011	
SV51-5, P357cc	12-May-2011	E105039-04	19-May-2011	
SV54-15, P453cc	12-May-2011	E105039-05	19-May-2011	
SV54-5, P357cc	12-May-2011	E105039-06	19-May-2011	

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type
SV44-15, P492cc	12-May-2011	E105039-07	19-May-2011	PS4
SV44-15 Dup, P542cc	12-May-2011	E105039-08	19-May-2011	FD4
SV44-5, P203cc	12-May-2011	E105039-09	19-May-2011	
SV41-15, P453cc	12-May-2011	E105039-10	19-May-2011	
SV41-5, P357cc	12-May-2011	E105039-11	19-May-2011	
SV49-15, P453cc	13-May-2011	E105041-01	19-May-2011	PS5
SV49-15 Dup, P503cc	13-May-2011	E105041-02	19-May-2011	FD5
SV49-5, P357cc	13-May-2011	E105041-03	19-May-2011	
SV48-15, P465cc	13-May-2011	E105041-04	19-May-2011	
SV48-5, P357cc	13-May-2011	E105041-05	19-May-2011	
SV42-15, P453cc	13-May-2011	E105041-06	19-May-2011	
SV42-5, P369cc	13-May-2011	E105041-07	19-May-2011	
SV65-15, P453cc	13-May-2011	E105041-08	19-May-2011	
SV65-5, P357cc	13-May-2011	E105041-09	19-May-2011	
SV58-15, P453cc	13-May-2011	E105041-10	19-May-2011	
SV58-5, P357cc	13-May-2011	E105041-11	19-May-2011	
SV57-15, P471cc	13-May-2011	E105041-12	19-May-2011	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic QC summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) May 9 through May 13, 2011sampling event were available for review. There were no anomalies that required qualification of the data.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 minutes after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibrations were not reviewed for this level of validation, however, the laboratory noted the following anomaly.

- The case narrative and laboratory data flag, C-06, indicated that bromodichloromethane was out of criteria in the continuing calibration verification associated with sample SV37-15. The associated result has been qualified as "J" for an estimated value.

6.0 BLANK EVALUATION

Method blanks were analyzed for each analysis to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS)

A single LCS was reported for each analysis. Quality Control (QC) results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy. There were no anomalies that required qualification of the data.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, a sample duplicate was collected to measure precision and the LCS was used to measure accuracy. The LCS and sample duplicate are discussed in Sections 7.0 and 11.0, respectively. The duplicate requirement of one per day was met and represented a nine percent frequency for this sample set.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All surrogate recoveries were within control limits except as noted below.

- The percent recovery for surrogate 4-bromofluorobenzene was out of the criteria of 56 to 127 percent at 128 percent in sample SV62-15 from SDG E105029. The associated positive results have been qualified "J" for an estimated value. No qualifiers are required for the non-detect results.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP.

11.0 FIELD DUPLICATE SAMPLES

The field duplicate sets were collected and analyzed for each SDG to measure field and laboratory precision. The relative percent differences (RPDs) for the positive results in the field duplicate pairs were calculated and are listed in Table 2 below. All RPDs were within the criteria of less than 50.

Table 2 Field Duplicate Samples and RPD Results

Primary and Duplicate Samples	Lab ID	Analyte	Primary Sample Result µg/m^3	Duplicate Sample Result µg/m^3	RPD %
SV28-15 SV28-15 Dup	E105020-05,06	1,1,2-Trichlorotrifluoroethane	79	65	19
		Chloroform	520	400	26
		Trichloroethene	950	690	32
		Tetrachloroethene	170	130	27
		Chlorobenzene	ND	59	NC/NA
SV40-15 SV40-15 Dup	E105023-09,10	Trichloroethene	600	430	33
		Tetrachloroethene	63	ND	NC/NA
		Chlorobenzene	ND	63	NC/NA
SV62-15 SV62-15 Dup	E105029-03,04	1,1-Dichloroethene	65	78	18
		1,1,2-Trichlorotrifluoroethane	300	320	6
		Chloroform	110	110	0
		Trichloroethene	480	330	37
		Tetrachloroethene	90	50	57/NA
		Chlorobenzene	ND	25	NC/NA

Primary and Duplicate Samples	Lab ID	Analyte	Primary Sample Result µg/m^3	Duplicate Sample Result µg/m^3	RPD %
SV44-15 SV44-15 Dup	E105039-07,08	1,1-Dichloroethene	ND	21	NC/NA
		1,1,2-Trichlorotrifluoroethane	72	51	34
		cis-1,2-Dichloroethene	340	320	6
		Chloroform	63	59	7
		Trichloroethene	2500	1900	27
		Tetrachloroethene	360	270	29
		Chlorobenzene	ND	42	NC/NA
SV49-15	E105041-01,02	1,1-Dichloroethene	30	30	0
		1,1,2-Trichlorotrifluoroethane	97	120	21
		Chloroform	160	140	13
		Trichloroethene	1200	870	32
		Tetrachloroethene	62	48	25

NA = Not Applicable. Since the field duplicate and primary results are both less than five times the reporting limit, the RPD criteria is not applicable.
NC= Not Calculable
ND = Not Detected

12.0 RECOMMENDATIONS

ITSI recommends that a laboratory control sample duplicate (LCSD) be analyzed to provide a measurement of precision for the analysis.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST OU1 WEEK FOUR 2011 SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Reporting Limit
EPA	U.S. Environmental Protection Agency
H&P	H&P Mobile Geochemistry, Inc,
ITSI	Innovative Technical Solutions, Inc.
LCS	laboratory control spike
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
$\mu g/m^3$	micrograms per cubic meter
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV62-15, P453cc (E105029-03) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**65 J**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**300 J**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110 J**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**480 J**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**90 J**	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
	PGC ITSI								
Surrogate: Toluene-d8	**14June2011**	*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*128 %*	*56-127*		"	"	"	"	*S-GC*
SV62-15 Dup, P503cc (E105029-04) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	**78**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**320**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**110**	25	"	"	"	"	"	"	
1,I,1-Trichloroethane	ND	28	"	"	"	"	"	"	
I,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**330**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: MC041811-A2	
6155 E. Indian School Road Suite 200	Project Number: Task Order 2011-01 / Motorola	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Todd Cruse	19-May-11 12:14

Volatile Organic Compounds by EPA TO-15 Modified

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV63-5, P357cc (E105029-09) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**46**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**85**	27	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
Chlorobenzene	ND	23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*56-127*		"	"	"	"	
SV37-15, P492cc (E105029-10) Vapor Sampled: 11-May-11 Received: 11-May-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EE11103	11-May-11	11-May-11	EPA TO-15	
Vinyl chloride	ND	13	ug/m3	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	**780**	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**950**	27	"	"	"	"	"	"	
Bromodichloromethane	**130 J**	34	"	"	"	"	"	"	C-06
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Soil Gas Sampling Week Four
Qualified Results Table
Project Number 04161.1200

H&P Lab ID	Client ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E105029-03	SV62-15, P453cc	05/11/2011 10:26:00	Vapor	EPA TO-15	1,1-Dichloroethene	65	J	65 J	20	ug/m3	%R Sur	ITSI/PGC/EHD
E105029-03	SV62-15, P453cc	05/11/2011 10:26:00	Vapor	EPA TO-15	-Trichlorotrifluoroethane (F	300	J	300 J	39	ug/m3	%R Sur	ITSI/PGC/EHD
E105029-03	SV62-15, P453cc	05/11/2011 10:26:00	Vapor	EPA TO-15	Chloroform	110	J	110 J	25	ug/m3	%R Sur	ITSI/PGC/EHD
E105029-03	SV62-15, P453cc	05/11/2011 10:26:00	Vapor	EPA TO-15	Trichloroethene	480	J	480 J	27	ug/m3	%R Sur	ITSI/PGC/EHD
E105029-03	SV62-15, P453cc	05/11/2011 10:26:00	Vapor	EPA TO-15	Tetrachloroethene	90	J	90 J	34	ug/m3	%R Sur	ITSI/PGC/EHD
E105029-10	SV37-15, P492cc	05/11/2011 14:52:00	Vapor	EPA TO-15	Bromodichloromethane	130	J	130 J	34	ug/m3	%D CCV	ITSI/PGC/EHD

Notes
J = estimated value
µg/m3 = micrograms per cubic meter

CCV = Continuing Calibration Verification
%D = Percent difference
PQL = Practical Quantitation Limit
%R = Percent recovery
Sur = Surrogate

Innovative
Technical
Solutions, Inc.
A Gilbane Company

June 28, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: H&P PROJECT: MC041811-A2 WEEK FIVE
MOTOROLA 52ND STREET OPERABLE UNIT ONE

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B or Tier 3 data validation. The SDGs contained data for a selected list of volatile organic compounds (VOCs) by EPA Method TO-15, Modified. The primary analytical laboratory was H&P Mobile Geochemistry, Inc. (H&P) of Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG and EPA tier review level.

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type	EPA Tier Review Level
SV57-5, P357cc	16-May-2011	E105046-01	03-June-2011		Tier 1B
SV56-15, P453cc	16-May-2011	E105046-02	03-June-2011		Tier 1B
SV56-5, P357cc	16-May-2011	E105046-03	03-June-2011		Tier 1B
SV46-15, P478cc	16-May-2011	E105046-04	03-June-2011	PS1	Tier 1B
SV46-15 Dup, P528cc	16-May-2011	E105046-05	03-June-2011	FD1	Tier 1B
SV46-5, P357cc	16-May-2011	E105046-06	03-June-2011		Tier 1B
SV49-15, P492cc	16-May-2011	E105046-07	03-June-2011		Tier 1B
SV49-5, P203cc	16-May-2011	E105046-08	03-June-2011		Tier 1B
SV48-15, P492cc	16-May-2011	E105046-09	03-June-2011		Tier 1B
SV48-5, P203cc	16-May-2011	E105046-10	03-June-2011		Tier 1B
SV38-15, P492cc	16-May-2011	E105046-11	03-June-2011		Tier 1B
SV38-5, P203cc	16-May-2011	E105046-12	03-June-2011		Tier 1B
SV59-15, P492cc	17-May-2011	E105052-01	03-June-2011	PS2	Tier 1B
SV59-15 Dup, P542cc	17-May-2011	E105052-02	03-June-2011	FD2	Tier 1B
SV59-5, P203cc	17-May-2011	E105052-03	03-June-2011		Tier 1B
SV63-15, P492cc	17-May-2011	E105052-04	03-June-2011		Tier 1B
SV63-5, P203cc	17-May-2011	E105052-05	03-June-2011		Tier 1B
SV50-15, P492cc	17-May-2011	E105052-06	03-June-2011		Tier 1B
SV50-5, P203cc	17-May-2011	E105052-07	03-June-2011		Tier 1B
SV39-15, P492cc	17-May-2011	E105052-08	03-June-2011		Tier 1B
SV39-5, P203cc	17-May-2011	E105052-09	03-June-2011		Tier 1B
SV62-15, P492cc	17-May-2011	E105052-10	03-June-2011		Tier 1B
SV62-5, P203cc	18-May-2011	E105056-01	03-June-2011		Tier 3
SV40-15, P492cc	18-May-2011	E105056-02	03-June-2011		Tier 3
SV40-5, P203cc	18-May-2011	E105056-03	03-June-2011	PS3	Tier 3
SV40-5 Dup, P253cc	18-May-2011	E105056-04	03-June-2011	FD3	Tier 3
SV61-15, P478cc	18-May-2011	E105056-05	03-June-2011		Tier 3
SV61-5, P357cc	18-May-2011	E105056-06	03-June-2011		Tier 3
SV66-15, P465cc	18-May-2011	E105056-07	03-June-2011		Tier 3
SV66-5, P357cc	18-May-2011	E105056-08	03-June-2011		Tier 3
SV53-15, P453cc	18-May-2011	E105056-09	03-June-2011		Tier 3
SV53-5, P357cc	18-May-2011	E105056-10	03-June-2011		Tier 3
SV41-15, P492cc	18-May-2011	E105056-11	03-June-2011		Tier 3
SV41-5, P203cc	18-May-2011	E105056-12	03-June-2011		Tier 3
SV52-15, P453cc	18-May-2011	E105056-13	03-June-2011		Tier 3
SV52-5, P363cc	18-May-2011	E105056-14	03-June-2011		Tier 3
SV47-15, P492cc	19-May-2011	E105062-01	03-June-2011		Tier 1B
SV47-5, P203cc	19-May-2011	E105062-02	03-June-2011		Tier 1B
SV51-15, P492cc	19-May-2011	E105062-03	03-June-2011		Tier 1B
SV51-5, P203cc	19-May-2011	E105062-04	03-June-2011		Tier 1B
SV55-15, P453cc	19-May-2011	E105062-05	03-June-2011		Tier 1B
SV55-5, P203cc	19-May-2011	E105062-06	03-June-2011	PS4	Tier 1B
SV55-5 Dup, P253cc	19-May-2011	E105062-07	03-June-2011	FD4	Tier 1B
SV54-15, P492cc	19-May-2011	E105062-08	03-June-2011		Tier 1B
SV54-5, P203cc	19-May-2011	E105062-09	03-June-2011		Tier 1B

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type	EPA Tier Review Level
SV65-15, P492cc	19-May-2011	E105062-10	03-June-2011		Tier 1B
SV65-5, P203cc	20-May-2011	E105067-01	03-June-2011		Tier 1B
SV42-15, P492cc	20-May-2011	E105067-02	03-June-2011	PS5	Tier 1B
SV42-15 Dup, P542cc	20-May-2011	E105067-03	03-June-2011	FD5	Tier 1B
SV42-5, P203cc	20-May-2011	E105067-04	03-June-2011		Tier 1B
SV58-15, P492cc	20-May-2011	E105067-05	03-June-2011		Tier 1B
SV58-5, P203cc	20-May-2011	E105067-06	03-June-2011		Tier 1B
SV57-15, P492cc	20-May-2011	E105067-07	03-June-2011		Tier 1B
SV57-5, P203cc	20-May-2011	E105067-08	03-June-2011		Tier 1B
SV56-15, P492cc	20-May-2011	E105067-09	03-June-2011		Tier 1B
SV56-5, P203cc	20-May-2011	E105067-10	03-June-2011		Tier 1B
SV46-15, P492cc	23-May-2011	E105073-01	03-June-2011		Tier 1B
SV46-5, P203cc	23-May-2011	E105073-02	03-June-2011		Tier 1B
SV61-15, P492cc	23-May-2011	E105073-03	03-June-2011		Tier 1B
SV61-5, P203cc	23-May-2011	E105073-04	03-June-2011		Tier 1B
SV66-15, P492cc	23-May-2011	E105073-05	03-June-2011		Tier 1B
SV66-5, P203cc	23-May-2011	E105073-06	03-June-2011		Tier 1B
SV53-15, P492cc	23-May-2011	E105073-07	03-June-2011	PS6	Tier 1B
SV53-15 Dup, P542cc	23-May-2011	E105073-08	03-June-2011	FD6	Tier 1B
SV53-5, P203cc	23-May-2011	E105073-09	03-June-2011		Tier 1B
SV52-15, P492cc	23-May-2011	E105073-10	03-June-2011		Tier 1B
SV52-5, P203cc	23-May-2011	E105073-11	03-June-2011		Tier 1B
SV55-15, P492cc	23-May-2011	E105073-12	03-June-2011		Tier 1B
SV55-5, P203cc	23-May-2011	E105073-13	03-June-2011		Tier 1B

FD = Field duplicate sample
PS = Parent sample of field duplicate

The EPA Tier 1B data verification included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic QC summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality. One of the SDGs underwent an EPA Tier 3 data validation for which the laboratory provided a Level IV data deliverable. Tier 3 data validation included all the items from the Tier 1B verification plus review of the data for the instrument calibrations, sample quantitation, compound identification and internal standard recoveries.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) May 16 through May 23, 2011sampling event were available for review. There were no anomalies that required qualification of the data, however, the following observations were made.

- A correction to one of the COCs was made by writing over the original data. Sample corrections should be done with a single line strike out and the initials of the sampler. No data qualifiers are required.

- The relinquishing times were missing or incorrect on one of the SDGs. Since the times the samples were delivered to the laboratory are documented for each sample, no action is required. To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 minutes after collection.

5.0 INSTRUMENT TUNE

The daily instrument tunes were reviewed for Tier 3. There were no anomalies that required qualification of the data.

6.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibrations were reviewed for Tier 3 review. There were no calibration anomalies that required qualification of the data.

7.0 BLANK EVALUATION

Method blanks were analyzed to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

8.0 LABORATORY CONTROL SAMPLE (LCS)

A single LCS was reported for each analysis. Quality Control (QC) results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy. There were no anomalies that required qualification of the data.

9.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, a sample duplicate was collected to measure precision and the LCS was used to measure accuracy. The LCS and sample duplicate are discussed in Sections 7.0 and 11.0, respectively. The duplicate requirement of one per day was met and represented a 10 percent frequency for this sample set.

10.0 SURROGATES AND INTERNAL STANDARDS

Surrogate spike recoveries were reviewed against the laboratory established control limits. The recoveries of the internal standards for the Tier 3 validation were reviewed against the method limits. All surrogate and internal standard recoveries were within control limits.

11.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. For the Tier 3 validation, review and recalculation of the sample raw data from the instrument was performed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP. There were no quantitation anomalies in the Tier 3 validation that required qualification of the data.

12.0 FIELD DUPLICATE SAMPLES

The field duplicate sets were collected and analyzed for each SDG to measure field and laboratory precision. The relative percent differences (RPDs) for the positive results in the field duplicate pairs were calculated and are listed in Table 2 below. All RPDs were within the criteria of less than 50.

Table 2 Field Duplicate Samples and RPD Results

Primary and Duplicate Samples	Lab ID	Analyte	Primary Sample Result µg/m³	Duplicate Sample Result µg/m³	RPD %
SV46-15 / SV46-15 Dup	E105046-04, 05	Chloroform	1300	1200	8
		Trichloroethene	330	210	44
		Bromodichloromethane	130	120	8
		Tetrachloroethene	53	ND	NC/NA
		Chlorobenzene	26	39	40
SV59-15 / SV59-15 Dup	E105052-01, 02	1,1,2-Trichlorotrifluoroethane	64	65	2
		Chlorobenzene	ND	45	NC/NA
		Chloroform	84	78	7
		Tetrachloroethene	68	39	54/NA
		Trichloroethene	77	56	32
SV40-5 / SV40-5 Dup	E105056-03, 04	Chlorobenzene	ND	38	NC/NA
		Tetrachloroethene	35	39	11
		Trichloroethene	170	140	19
SV55-5 / SV55-5 Dup	E105062-06, 07	1,1,2-Trichlorotrifluoroethane	40	ND	NC/NA
		Chlorobenzene	ND	26	NC/NA
		Chloroform	870	760	14
		Tetrachloroethene	36	ND	NC/NA
		Trichloroethene	340	270	23
SV42-15 / SV42-15 Dup	E105067-02, 03	Chlorobenzene	ND	41	NC/NA
		Chloroform	85	82	4
		Trichloroethene	240	190	23
SV53-15 / SV53-15 Dup	E105073-07, 08	1,1,2-Trichlorotrifluoroethane	59	45	27
		Bromodichloromethane	59	55	7
		Chlorobenzene	ND	70	NC
		Chloroform	280	270	4
		Tetrachloroethene	77	52	39
		Trichloroethene	2900	2200	28

NA = Not Applicable. Since the field duplicate and primary results are both less than five times the reporting limit, the RPD criteria is not applicable.
NC= Not Calculable
ND = Not Detected

13.0 RECOMMENDATIONS

ITSI recommends the following actions.

- A laboratory control sample duplicate (LCSD) should be analyzed to provide a measurement of precision for the analysis.
- To maintain a complete custody record, the persons delivering or receiving the samples should accurately document the time the samples are relinquished to the laboratory.

14.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST OU1 WEEK FIVE 2011 SAMPLING EVENT

There were no qualified results for this sampling event. Based on the available information, the data are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
EPA	U.S. Environmental Protection Agency
H&P	H&P Mobile Geochemistry, Inc,
ITSI	Innovative Technical Solutions, Inc.
LCS	laboratory control spike
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
$\mu g/m^3$	micrograms per cubic meter
VOC	volatile organic compound

Innovative
Technical
Solutions, Inc.
A Gilbane Company

August 10, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: ITSI DATA REVIEW REPORT
MOTOROLA 52ND STREET
SOIL GAS SAMPLING INVESTIGATION
PROJECT NUMBER 005086-016

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C. A summary of the field duplicate pair results is provided in the Field Duplicate Table as Appendix D.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a full list of volatile organic compounds (VOCs) by EPA Method TO-15. The primary analytical laboratory was Test America of Phoenix,

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Arizona. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type
SV69-15	6/14/2011	PUF0824-01	7/14/2011	
SV69-5	6/14/2011	PUF0824-02	7/14/2011	
SV72-15	6/15/2011	PUF0898-03	7/18/2011	
SV72-5	6/15/2011	PUF0898-04	7/18/2011	
SV71-15	6/15/2011	PUF0898-05	7/18/2011	
SV71-5	6/15/2011	PUF0898-06	7/18/2011	
SV64-15	6/15/2011	PUF0898-07	7/18/2011	
SV64-5	6/15/2011	PUF0898-08	7/18/2011	
SV67-15	6/15/2011	PUF0898-09	7/18/2011	PS
SV67-15 Dup	6/15/2011	PUF0898-10	7/18/2011	FD
SV67-5	6/15/2011	PUF0898-11	7/18/2011	
SV60-15	6/16/2011	PUF1020-01	7/15/2011	
SV60-5	6/16/2011	PUF1020-02	7/15/2011	
SV75-15	6/17/2011	PUF1095-01	7/15/2011	
SV75-5	6/17/2011	PUF1095-02	7/15/2011	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic Quality Control (QC) summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) June 14 through June 18, 2011 sampling event were available for review. There were no anomalies that required qualification of the data.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 days after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibrations were not reviewed for this level of validation.

6.0 BLANK EVALUATION

Method blanks were analyzed for each analysis to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS) AND LABORATORY CONTROL SAMPLE (LCSD)

An LCS/LCSD pair was reported for each analysis. QC results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy and 35 for precision. There were no anomalies that required qualification of the data.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

A project MS/MSD pair was not collected as required by the QAPP. Instead, an LCS/LCSD, which is discussed in Section 7.0, was used to measure analytical precision.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All surrogate recoveries were within control limits.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP except for methylene chloride as discussed below. Quantitation anomalies noted by the laboratory in the case narrative or indicated by laboratory qualifiers are also discussed below.

- The reporting limits for methylene chloride were raised above the CRDLs for the non-detect results in samples SV72-15 and SV72-5 from SDG PUF0898 due to high levels of target analytes. No qualifiers are required.

- The laboratory case narrative indicated that the results for trichloroethene in samples SV64-15 and SV64-5 from SDG PUF0898 were possibly due to carry-over from the previous sample analysis. The associated results were flagged "J+" for an estimated value with a high bias.

- The laboratory qualifiers indicated that the results for trichloroethene exceeded the calibration range samples SV72-15 and SV72-5 from SDG PUF0898. The results have been qualified "J" for an estimated value.

11.0 FIELD DUPLICATE SAMPLES

A field duplicate set were collected and analyzed as part of SDG PUF0898 to measure field and laboratory precision. The results of the field duplicate and parent samples were compared and are summarized in the Field Duplicate Table presented as Appendix D. All field duplicate results were acceptable except as noted below.

- The relative percent difference (RPD) for several compounds were out of the QAPP control limit of less than 50 in field duplicate pair SV67-15 / SV67-15 Dup. The associated results have been qualified as "J" for an estimated value or reporting limit.

- The RPDs could not be calculated for 4-methyl-2-pentanone, cyclohexane and trichloroethene in the field duplicate pair SV67-15 / SV67-15 Dup due to one of the results reported as non-detect. Since the other results for these compounds were greater than five times the reporting limit, it is the professional judgment of the validator that the field duplicate and parent sample results are in disagreement and, therefore, have been qualified as "J" or "UJ" for an estimated value or reporting limit.

12.0 RECOMMENDATIONS

There are no recommendations.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST JUNE 14 THROUGH JUNE 18, 2011 SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table
Appendix D - Field Duplicate Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Reporting Limit
EPA	U.S. Environmental Protection Agency
ITSI	Innovative Technical Solutions, Inc.
LCS/LCSD	laboratory control spike/ laboratory control spike duplicate
MS/MSD	matrix spike/matrix spike duplicate
PQL	practical quantitation limit
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-03 (SV72-15) — **Sampling Time: min** — **Sampled: 06/15/11 09:11**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	**8.1**	**0.50**	**32**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**7.9**	**0.50**	**39**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	**5.1**	**0.50**	**24**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Butanone (MEK)	**42**	**1.0**	**120**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**5.3**	**1.0**	**22**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**7.2**	**1.0**	**30**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**13**	**0.50**	**42**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**6.4**	**0.50**	**43**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**6.8**	**0.50**	**21**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	**1.5**	**0.50**	**6.0**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**9.1**	**0.50**	**31**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/16/2011	LC	EPA TO15
Dichlorodifluoromethane	**0.67**	**0.50**	**3.3**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Ethylbenzene	**3.2**	**0.50**	**14**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	**9.9**	**0.50**	**41**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	**17**	**0.50**	**60**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**0.68**	**0.50**	**3.3**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**9.1**	**1.0**	**40**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15

No flags
PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-03 (SV72-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 09:11**	
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	**20**	**0.50**	**110**	**2.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**7.4**	**0.50**	**35**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**7.5**	**0.50**	**33**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**7.7**	**0.50**	**52**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**32**	**2.0**	**94**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**18**	**0.50**	**68**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*98 %*		*Limit 70-130*						

No flags
PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-03RE1 (SV72-15)			**Sampling Time: min**					**Sampled: 06/15/11 09:11**	
2-Propanol	<40	40	<98	98		20	6/23/2011	LC	EPA TO15
Acetone	**230**	**100**	**550**	**240**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Chloroform	**250**	**10**	**1200**	**49**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Freon 113	**63**	**10**	**480**	**77**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Methylene Chloride	<10	10	<35	35		20	6/23/2011	LC	EPA TO15
Propene	**130**	**10**	**220**	**17**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Trichloroethene	**2000 J**	**10**	**11000 J**	**54**	**E1**	**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*94 %*		*Limit 70-130*						

PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-04 (SV72-5) — **Sampling Time: min** — **Sampled: 06/15/11 09:23**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	**1.2**	**0.50**	**4.8**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**22**	**0.50**	**110**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**7.2**	**0.50**	**35**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	**4.7**	**0.50**	**22**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**7.3**	**1.0**	**30**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	<2.0	2.0	<4.9	4.9		1.0	6/16/2011	LC	EPA TO15
4-Ethyltoluene	**4.9**	**0.50**	**24**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**8.7**	**1.0**	**36**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**11**	**0.50**	**35**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	**13**	**0.50**	**87**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**6.1**	**0.50**	**21**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	**2.6**	**0.50**	**22**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorodifluoromethane	**0.55**	**0.50**	**2.7**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**2.4**	**0.50**	**8.7**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**5.6**	**0.50**	**24**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Heptane	**10**	**0.50**	**41**	**2.0**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	**11**	**0.50**	**39**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**1.4**	**0.50**	**6.9**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**19**	**1.0**	**83**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15

No flags
PGC ITSI
01August2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-04 (SV72-5) - cont.			**Sampling Time: min**						**Sampled: 06/15/11 09:23**
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Octane (C8)	**15**	**0.50**	**70**	**2.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**11**	**0.50**	**48**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**5.9**	**0.50**	**40**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**23**	**2.0**	**68**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**44**	**0.50**	**170**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/16/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*95 %*		*Limit 70-130*						

No flags
PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-04RE1 (SV72-5)			**Sampling Time: min**						**Sampled: 06/15/11 09:23**
2-Butanone (MEK)	**83**	**20**	**250**	**59**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Acetone	**170**	**99**	**400**	**240**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Carbon disulfide	**42**	**9.9**	**130**	**31**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Chloroform	**160**	**9.9**	**780**	**48**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Freon 113	**29**	**9.9**	**220**	**76**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Methylene Chloride	<9.9	9.9	<34	34		20	6/23/2011	LC	EPA TO15
n-Nonane (C9)	**30**	**9.9**	**160**	**52**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Propene	**100**	**9.9**	**170**	**17**		**20**	**6/23/2011**	**LC**	**EPA TO15**
Trichloroethene	**1200 J**	**9.9**	**6500 J**	**53**	**E1**	**20**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

PGC ITSI
01August2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-07 (SV64-15) — **Sampling Time: min** — **Sampled: 06/15/11 10:23**

	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Data Qualifiers	Dilution	Date Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/16/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/16/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**3.5**	**0.50**	**17**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**0.84**	**0.50**	**4.1**	**2.5**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
1,3-Butadiene	0.50	0.50	1.1	1.1		1.0	6/16/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/16/2011	LC	EPA TO15
2,2,4-Trimethylpentane	0.50	0.50	2.3	2.3		1.0	6/16/2011	LC	EPA TO15
2-Butanone (MEK)	**37**	**1.0**	**110**	**2.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Hexanone	**1.7**	**1.0**	**7.0**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
2-Propanol	**14**	**2.0**	**34**	**4.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	0.50	0.50	2.5	2.5		1.0	6/16/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**2.1**	**1.0**	**8.6**	**4.1**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Allyl Chloride	0.50	0.50	1.6	1.6		1.0	6/16/2011	LC	EPA TO15
Benzene	**3.7**	**0.50**	**12**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Benzyl Chloride	2.0	2.0	10	10		1.0	6/16/2011	LC	EPA TO15
Bromodichloromethane	0.50	0.50	3.4	3.4		1.0	6/16/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	0.50	0.50	2.2	2.2		1.0	6/16/2011	LC	EPA TO15
Bromoform	0.50	0.50	5.2	5.2		1.0	6/16/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/16/2011	LC	EPA TO15
Carbon disulfide	**0.83**	**0.50**	**2.6**	**1.6**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/16/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Chloroform	**0.53**	**0.50**	**2.6**	**2.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/16/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Cyclohexane	**3.8**	**0.50**	**13**	**1.7**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/16/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/16/2011	LC	EPA TO15
Ethyl Acetate	**2.1**	**0.50**	**7.6**	**1.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Ethylbenzene	**1.7**	**0.50**	**7.4**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/16/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/16/2011	LC	EPA TO15
Hexane	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15

No flags
PGC ITSI
01August2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-07 (SV64-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 10:23**	
Isopropylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
m,p-Xylenes	**4.2**	**1.0**	**18**	**4.3**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/16/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/16/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/16/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
n-Nonane (C9)	<0.50	0.50	<2.6	2.6		1.0	6/16/2011	LC	EPA TO15
n-Octane (C8)	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/16/2011	LC	EPA TO15
o-Xylene	**3.4**	**0.50**	**15**	**2.2**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Propene	**4.2**	**0.50**	**7.2**	**0.86**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/16/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/16/2011	LC	EPA TO15
Tetrachloroethene	**0.81**	**0.50**	**5.5**	**3.4**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**20**	**2.0**	**59**	**5.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Toluene	**3.1**	**0.50**	**12**	**1.9**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/16/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/16/2011	LC	EPA TO15
Trichloroethene	**1.5 J+**	**0.50**	**8.1 J+**	**2.7**	**N1**	**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	**0.77**	**0.50**	**4.3**	**2.8**		**1.0**	**6/16/2011**	**LC**	**EPA TO15**
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/16/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/16/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*102 %*		*Limit 70-130*						

PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)	Work Order:	PUF0898	Received: 06/15/11
6155 E. Indian School Rd., Suite 200			Reported: 07/18/11 07:53
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-07RE1 (SV64-15)				**Sampling Time: min**					**Sampled: 06/15/11 10:23**
Acetone	**330**	**50**	**780**	**120**		**9.9**	**6/23/2011**	**LC**	**EPA TO15**
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

No flags
PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-08 (SV64-5) — **Sampling Time: min** — **Sampled: 06/15/11 10:36**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**6.4**	**0.50**	**32**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**2.2**	**0.50**	**11**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**9.0**	**1.0**	**27**	**2.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	<1.0	1.0	<4.1	4.1		1.0	6/17/2011	LC	EPA TO15
2-Propanol	**15**	**2.0**	**37**	**4.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
4-Methyl-2-pentanone (MIBK)	**1.1**	**1.0**	**4.5**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Acetone	**19**	**5.0**	**45**	**12**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	**1.9**	**0.50**	**6.1**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	**0.63**	**0.50**	**4.2**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**1.4**	**0.50**	**4.4**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**1.2**	**0.50**	**5.9**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**2.4**	**0.50**	**8.3**	**1.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Ethylbenzene	**0.84**	**0.50**	**3.7**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15

No flags
PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-08 (SV64-5) - cont. — **Sampling Time: min** — **Sampled: 06/15/11 10:36**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Hexane	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Isopropylbenzene	**0.50**	**0.50**	**2.5**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**2.3**	**1.0**	**10**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**1.8**	**0.50**	**9.4**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
n-Propylbenzene	<0.50	0.50	<2.5	2.5		1.0	6/17/2011	LC	EPA TO15
o-Xylene	**3.3**	**0.50**	**14**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**4.5**	**0.50**	**7.7**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Tetrahydrofuran	**13**	**2.0**	**38**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**1.8**	**0.50**	**6.8**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**3.4 J+**	**0.50**	**18 J+**	**2.7**	**N1**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*102 %*		*Limit 70-130*						

PGC ITSI
01August2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-09 (SV67-15)			**Sampling Time: min**					**Sampled: 06/15/11 10:59**	
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**12**	**0.50**	**59**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**4.6**	**0.50**	**23**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	**0.56**	**0.50**	**3.4**	**3.0**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Hexanone	**5.0**	**1.0**	**21**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.4**	**0.50**	**12**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	<1.0 **UJ**	1.0	<4.1 **UJ**	4.1		1.0	6/17/2011	LC	EPA TO15
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**1.2**	**0.50**	**3.7**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**1.7**	**0.50**	**8.3**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	**3.8**	**0.50**	**19**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**3.7 J**	**0.50**	**13 J**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**5.4 J**	**0.50**	**23 J**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**0.57**	**0.50**	**2.0**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Isopropylbenzene	**2.5**	**0.50**	**12**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**11 J**	**1.0**	**48 J**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-09 (SV67-15) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 10:59**	
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**9.4**	**0.50**	**49**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**1.4**	**0.50**	**6.5**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**1.5**	**0.50**	**7.4**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**18**	**0.50**	**78**	**2.2**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**9.2**	**0.50**	**16**	**0.86**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	<0.50	0.50	<2.1	2.1		1.0	6/17/2011	LC	EPA TO15
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**0.79**	**0.50**	**5.4**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**10**	**0.50**	**38**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	<0.50	0.50	<2.7	2.7	**UJ**	1.0	6/17/2011	LC	EPA TO15
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*103 %*		*Limit 70-130*						

PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-09RE1 (SV67-15)			Sampling Time: min					Sampled: 06/15/11 10:59	
2-Butanone (MEK)	140 J	20	410 J	59		20	6/23/2011	LC	EPA TO15
2-Propanol	88 J	41	220 J	100		20	6/23/2011	LC	EPA TO15
Acetone	210	100	500	240		20	6/23/2011	LC	EPA TO15
Cyclohexane	<10 UJ	10	<34 UJ	34		20	6/23/2011	LC	EPA TO15
Tetrahydrofuran	140 J	41	410 J	120		20	6/23/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*96 %*		*Limit 70-130*						

PGC ITSI
01August2011

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

Volatile Organic Compounds by EPA TO-15

Sample ID: PUF0898-10 (SV67-15 Dup) — **Sampling Time: min** — **Sampled: 06/15/11 11:01**

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
1,1,1-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1,2,2-Tetrachloroethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
1,1,2-Trichloroethane	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,1-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trichlorobenzene	<2.0	2.0	<15	15		1.0	6/17/2011	LC	EPA TO15
1,2,4-Trimethylbenzene	**9.8**	**0.50**	**48**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,2-Dibromoethane (EDB)	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
1,2-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloroethane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
1,2-Dichloropropane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
1,3,5-Trimethylbenzene	**3.9**	**0.50**	**19**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
1,3-Butadiene	<0.50	0.50	<1.1	1.1		1.0	6/17/2011	LC	EPA TO15
1,3-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
1,4-Dichlorobenzene	<0.50	0.50	<3.0	3.0		1.0	6/17/2011	LC	EPA TO15
2,2,4-Trimethylpentane	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
2-Butanone (MEK)	**18**	**1.0**	**53**	**2.9**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Hexanone	**3.5**	**1.0**	**14**	**4.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
2-Propanol	**17**	**2.0**	**42**	**4.9**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Ethyltoluene	**2.0**	**0.50**	**9.8**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
4-Methyl-2-pentanone (MIBK)	**7.2**	**1.0**	**30**	**4.1**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Allyl Chloride	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzene	<0.50	0.50	<1.6	1.6		1.0	6/17/2011	LC	EPA TO15
Benzyl Chloride	<2.0	2.0	<10	10		1.0	6/17/2011	LC	EPA TO15
Bromodichloromethane	<0.50	0.50	<3.4	3.4		1.0	6/17/2011	LC	EPA TO15
Bromoethene(Vinyl Bromide)	<0.50	0.50	<2.2	2.2		1.0	6/17/2011	LC	EPA TO15
Bromoform	<0.50	0.50	<5.2	5.2		1.0	6/17/2011	LC	EPA TO15
Bromomethane	<0.50	0.50	<1.9	1.9		1.0	6/17/2011	LC	EPA TO15
Carbon disulfide	**2.3**	**0.50**	**7.2**	**1.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Carbon tetrachloride	<0.50	0.50	<3.1	3.1		1.0	6/17/2011	LC	EPA TO15
Chlorobenzene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Chloroethane	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Chloroform	**2.5**	**0.50**	**12**	**2.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Chloromethane	<0.50	0.50	<1.0	1.0		1.0	6/17/2011	LC	EPA TO15
cis-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
cis-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Cyclohexane	**4.7**	**0.50**	**16**	**1.7**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dibromochloromethane	<0.50	0.50	<4.3	4.3		1.0	6/17/2011	LC	EPA TO15
Dichlorodifluoromethane	**4.9**	**0.50**	**24**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Dichlorotetrafluoroethane(F-114)	<0.50	0.50	<3.5	3.5		1.0	6/17/2011	LC	EPA TO15
Ethyl Acetate	**1.5**	**0.50**	**5.4**	**1.8**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Ethylbenzene	**2.3**	**0.50**	**10**	**2.2**	**J**	**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Freon 113	<0.50	0.50	<3.8	3.8		1.0	6/17/2011	LC	EPA TO15
Heptane	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
Hexachlorobutadiene	<1.0	1.0	<11	11		1.0	6/17/2011	LC	EPA TO15
Hexane	**0.66**	**0.50**	**2.3**	**1.8**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**

Clear Creek Associates (Phoenix)	Work Order:	PUF0898	Received: 06/15/11
6155 E. Indian School Rd., Suite 200			Reported: 07/18/11 07:53
Scottsdale, AZ 85251	Project:	Motorola Air	
Todd Cruse	Project Number:	Motorola 52	

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilution	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-10 (SV67-15 Dup) - cont.			**Sampling Time: min**					**Sampled: 06/15/11 11:01**	
Isopropylbenzene	**0.93**	**0.50**	**4.6**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
m,p-Xylenes	**6.1 J**	**1.0**	**27 J**	**4.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Methylene Chloride	<0.50	0.50	<1.7	1.7	N1	1.0	6/17/2011	LC	EPA TO15
Methyl-tert-butyl Ether (MTBE)	<1.0	1.0	<3.6	3.6		1.0	6/17/2011	LC	EPA TO15
Naphthalene	<5.0	5.0	<26	26		1.0	6/17/2011	LC	EPA TO15
n-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
n-Nonane (C9)	**15**	**0.50**	**79**	**2.6**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Octane (C8)	**1.8**	**0.50**	**8.4**	**2.3**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
n-Propylbenzene	**0.80**	**0.50**	**3.9**	**2.5**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
o-Xylene	**5.1 J**	**0.50**	**22 J**	**2.2**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Propene	**18 J**	**0.50**	**31 J**	**0.86**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
sec-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Styrene	**0.63**	**0.50**	**2.7**	**2.1**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
tert-Butylbenzene	<0.50	0.50	<2.7	2.7		1.0	6/17/2011	LC	EPA TO15
Tetrachloroethene	**1.1**	**0.50**	**7.5**	**3.4**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Tetrahydrofuran	**16 J**	**2.0**	**47 J**	**5.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Toluene	**8.9**	**0.50**	**34**	**1.9**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
trans-1,2-Dichloroethene	<0.50	0.50	<2.0	2.0		1.0	6/17/2011	LC	EPA TO15
trans-1,3-Dichloropropene	<0.50	0.50	<2.3	2.3		1.0	6/17/2011	LC	EPA TO15
Trichloroethene	**2.9 J**	**0.50**	**16 J**	**2.7**		**1.0**	**6/17/2011**	**LC**	**EPA TO15**
Trichlorofluoromethane	<0.50	0.50	<2.8	2.8		1.0	6/17/2011	LC	EPA TO15
Vinyl Acetate	<0.50	0.50	<1.8	1.8		1.0	6/17/2011	LC	EPA TO15
Vinyl chloride	<0.50	0.50	<1.3	1.3		1.0	6/17/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*101 %*		*Limit 70-130*						

PGC ITSI
01August2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Clear Creek Associates (Phoenix)
6155 E. Indian School Rd., Suite 200
Scottsdale, AZ 85251
Todd Cruse

Work Order: PUF0898
Project: Motorola Air
Project Number: Motorola 52

Received: 06/15/11
Reported: 07/18/11 07:53

	ppbv		ug/m3		Data		Date		
	Result	RL	Result	RL	Qualifiers	Dilutiou	Analyzed	Analyst	Method
Volatile Organic Compounds by EPA TO-15									
Sample ID: PUF0898-10RE1 (SV67-15 Dup)			**Sampling Time: min**					**Sampled: 06/15/11 11:01**	
Acetone	70	25	170	59		5.0	6/23/2011	LC	EPA TO15
Surrogate: 4-Bromofluorobenzene	*97 %*		*Limit 70-130*						

No flags

PGC ITSI
01August2011

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Soil Gas Sampling
Qualified Results Table
Project Number 005086-013

TA Lab ID	Client ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
SV64-15	PUF0898-07	6/15/2011	Vapor	EPA TO-15	Trichloroethene	8.1	J+	8.1 J+	2.7	ug/m^3	Carryover	ITSI/PGC/EHD
SV64-5	PUF0898-08	6/15/2011	Vapor	EPA TO-15	Trichloroethene	18	J+	18 J+	2.7	ug/m^3	Carryover	ITSI/PGC/EHD
SV72-15	PUF0898-03	6/15/2011	Vapor	EPA TO-15	Trichloroethene	11,000	J	11,000 J	54	ug/m^3	Calibration Range	ITSI/PGC/EHD
SV72-5	PUF0898-04	6/15/2011	Vapor	EPA TO-15	Trichloroethene	6,500	J	6,500 J	53	ug/m^3	Calibration Range	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	2-Butanone (MEK)	410	J	410 J	59	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	2-Propanol	220	J	220 J	100	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	4-Methyl-2-pentanone (MIBK)	<4.1	UJ	<4.1	4.1	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Cyclohexane	<34	UJ	<34	34	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Ethyl Acetate	13	J	13 J	1.8	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Ethylbenzene	23	J	23 J	1.8	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	m,p-Xylenes	48	J	48 J	4.3	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	o-Xylene	78	J	78 J	2.2	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Propene	16	J	16 J	0.86	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Tetrahydrofuran	410	J	410 J	120	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15	PUF0898-09	6/15/2011	Vapor	EPA TO-15	Trichloroethene	<2.7	UJ	<2.7	2.7	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	2-Butanone (MEK)	53	J	53 J	2.9	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	2-Propanol	42	J	42 J	4.9	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	4-Methyl-2-pentanone (MIBK)	30	J	30 J	4.1	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Cyclohexane	16	J	16 J	1.7	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Ethyl Acetate	5.4	J	5.4 J	1.8	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Ethylbenzene	10	J	10 J	1.8	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	m,p-Xylenes	27	J	27 J	4.3	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	o-Xylene	22	J	22 J	2.2	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Propene	31	J	31 J	0.86	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Tetrahydrofuran	47	J	47 J	5.9	ug/m^3	RPD FD	ITSI/PGC/EHD
SV67-15 Dup	PUF0898-10	6/15/2011	Vapor	EPA TO-15	Trichloroethene	16	J	16 J	2.7	ug/m^3	RPD FD	ITSI/PGC/EHD

Notes
J = estimated value
UJ = estimated reporting limit
(+) = result is biased high
µg/m^3 = micrograms per cubic meter

FD = field duplicate
PQL = Practical Quantitation Limit
RPD = relative percent difference

APPENDIX D

FIELD DUPLICATE TABLE

Field Replicate Table
Motorola 52nd Street

Client ID Primary/FD	Laboratory ID Primary/FD	Compound	Sample µg/m³	Duplicate µg/m³	RPD %	Agreement (Yes) Disagreement (No)
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	1,2,4-Trimethylbenzene	59	48	21	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	1,3,5-Trimethylbenzene	23	19	19	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	1,4-Dichlorobenzene	3.4	<3.0	NC	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	2-Butanone (MEK)	410	53	154	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	2-Hexanone	21	14	40	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	2-Propanol	220	42	136	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	4-Ethyltoluene	12	9.8	20	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	4-Methyl-2-pentanone (MIBK)	<4.1	30	NC	*No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Carbon disulfide	3.7	7.2	64	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Chloroform	8.3	12	36	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Cyclohexane	<34	16	NC	*No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Dichlorodifluoromethane	19	24	23	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Ethyl Acetate	13	5.4	83	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Ethylbenzene	23	10	79	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Hexane	2.0	2.3	14	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Isopropylbenzene	12	4.6	89	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	m,p-Xylenes	48	27	56	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	n-Nonane (C9)	49	79	47	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	n-Octane (C8)	6.5	8.4	26	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	n-Propylbenzene	7.4	3.9	62	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	o-Xylene	78	22	112	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Propene	16	31	64	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Styrene	<2.1	2.7	NC	NA
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Tetrachloroethene	5.4	7.5	33	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Tetrahydrofuran	410	47	159	No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Toluene	38	34	11	Yes
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Trichloroethene	<2.7	16	NC	*No
SV67-15 / SV67-15 Dup	PUF0898-09 / 10	Acetone	500	170	158	NA

Notes

µg/m³ micrograms per cubic meter

Agreement

FD = field duplicate
NA = RPD not applicable since both samples results are less than five times the reporting limit or non-detect
NC = RPD not calculable due to one sample result reported as non-detect.
No = RPD greater than 50 and at least one sample result is greater than five times the reporting limit.
*No = RPD not calculable due to one result reported as non-detect, other sample result is at least 5X the reporting limit.
RPD = Relative percent difference
Yes = RPD less than control limit of 50

Innovative
Technical
Solutions, Inc.
A Gilbane Company

September 02, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: ITSI DATA REVIEW REPORT
MOTOROLA 52ND STREET
SOIL GAS SAMPLING INVESTIGATION
PROJECT NUMBER 005086-016

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1), Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona,* CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C. A summary of the field duplicate pair results is provided in the Field Duplicate Table as Appendix D.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the date listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a full list of volatile organic compounds (VOCs) by EPA Method TO-15. The primary analytical laboratory was H&P Mobile Chemistry Inc. of

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Carlsbad, California. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Laboratory SDG Number	Laboratory Report Date	Type
SV73-15	07/28/2011	E108004-01	08/10/2011	
SV73-5	07/28/2011	E108004-02	08/10/2011	
SV74-15	07/28/2011	E108004-03	08/10/2011	
SV74-5	07/28/2011	E108004-04	08/10/2011	
SV75-15	07/28/2011	E108004-05	08/10/2011	PS
SV75-15 dup	07/28/2011	E108004-06	08/10/2011	FD
SV75-5	07/28/2011	E108004-07	08/10/2011	
SV76-15	07/28/2011	E108004-08	08/10/2011	
SV76-5	07/28/2011	E108004-09	08/10/2011	
SV77-15	07/28/2011	E108004-10	08/10/2011	
SV77-5	07/28/2011	E108004-11	08/10/2011	
SV78-15	07/28/2011	E108004-12	08/10/2011	
SV78-5	07/28/2011	E108004-13	08/10/2011	
SV79-15	07/28/2011	E108004-14	08/10/2011	
SV79-5	07/28/2011	E108004-15	08/10/2011	
SV72-15	08/01/2011	E108019-01	08/16/2011	
SV72-5	08/01/2011	E108019-02	08/16/2011	
SV71-15	08/01/2011	E108019-18	08/16/2011	
SV71-5	08/01/2011	E108019-19	08/16/2011	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic Quality Control (QC) summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) for July 28 and August 01, 2011 sampling events were available for review. There were no anomalies that required qualification of the data, however the following observation was made.

- Corrections to the COC from SDG E108004 were made by writing over the original data. Sample corrections should be done with a single line strike out and the initials of the sampler. No data qualifiers are required.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 days after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

The initial and continuing calibrations were not reviewed for this level of validation, however, the laboratory noted the following calibration anomaly.

- The laboratory qualifiers indicated that the percent difference for 2-butanone was out of criteria in the continuing calibration verification associated with sample SV71-15 from SDG E108019. The result for 2-butanone in the above sample has been qualified as "J" for an estimated value.

6.0 BLANK EVALUATION

Method blanks were analyzed for each analysis to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS) AND LABORATORY CONTROL SAMPLE (LCSD)

An LCS/LCSD pair was reported for each analysis. QC results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy and 35 for precision. The laboratory reported an abbreviated list of compounds in the LCS/LCSD pairs. There were no anomalies that required qualification of the data.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Project MS/MSD pairs were not collected as required by the QAPP. Instead, LCS/LCSD pairs, which are discussed in Section 7.0, were used to measure analytical precision and accuracy.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All surrogate recoveries were within control limits.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP except as discussed below. Quantitation anomalies noted by the laboratory in the case narrative or indicated by laboratory qualifiers are also discussed below.

- The reporting limits for the non-detect results for samples SV71-5, SV72-15 and SV72-5 from SDG E108019 were elevated due to presence of high levels of target analytes. No qualifiers are required.

- Acetone in samples SV76-15, SV77-5 and SV78-5 and 2-butanone in sample SV78-5 from SDG E108004 were reported above the calibration range of the instrument. The associated samples results have been qualified as "J" for an estimated value.

11.0 FIELD DUPLICATE SAMPLES

A field duplicate sets were collected and analyzed to measure field and laboratory precision. The results of the field duplicate and parent samples were compared and are summarized in the Field Duplicate Table presented as Appendix D. All field duplicate results were acceptable except as noted below.

- The relative percent difference (RPD) for carbon disulfide was out of the QAPP criteria of less than 50 at 52 percent in the field duplicate pair SV75-15/SV75-15 dup from SDG E108004. The associated results in the field duplicate pair have been qualified as "J" for an estimated value.

12.0 RECOMMENDATIONS

ITSI recommends that sample corrections should be done with a single line strike out and the initials of the sampler.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST JULY 28 AND AUGUST 1, 2011 SAMPLING EVENTS

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table
Appendix D - Field Duplicate Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Reporting Limit
EPA	U.S. Environmental Protection Agency
ITSI	Innovative Technical Solutions, Inc.
LCS/LCSD	laboratory control spike/ laboratory control spike duplicate
MS/MSD	matrix spike/matrix spike duplicate
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
RPD	relative percent difference
SDG	Sample Delivery Group
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108004-05) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**200**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**100** J	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**110**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**98**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**9.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**55**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**8.8**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**66**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**11**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.5**	4.4	"	"	"	"	"	"	
m,p-Xylene	**20**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108004-05) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	ND	4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	**7.5**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**16**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**23**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*77-127*		"	"	"	"	
SV75-15 dup (E108004-06) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**260**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**170 J**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**120**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**110**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 dup (E108004-06) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**9.4**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**56**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**11**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**75**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**15**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**8.1**	4.4	"	"	"	"	"	"	
m,p-Xylene	**28**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**8.9**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**5.9**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**17**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**29**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*77-127*	"	"	"	"	

No flags
PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108004-07) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**89**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**5.2**	3.5	"	"	"	"	"	"	
Carbon disulfide	**12**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**46**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**21**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.0**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**27**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

No flags
PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result		Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108004-07) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11										
Styrene	ND		4.3	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
o-Xylene	ND		4.4	"	"	"	"	"	"	
Bromoform	ND		10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND		7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND		5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND		5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**11**		5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND		12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND		12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND		12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND		7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND		11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4			*83.5 %*		*76-134*		"	"	"	
Surrogate: Toluene-d8			*99.9 %*		*78-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene			*96.9 %*		*77-127*		"	"	"	
SV76-15 (E108004-08) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11										
Isopropyl alcohol (LCC)	ND		10	ug/l	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND		5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND		2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND		7.1	"	"	"	"	"	"	
Vinyl chloride	ND		2.6	"	"	"	"	"	"	
Bromomethane	ND		16	"	"	"	"	"	"	
Chloroethane	ND		8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND		5.7	"	"	"	"	"	"	
Acetone	**1500**	**J**	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND		4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND		7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND		3.5	"	"	"	"	"	"	
Carbon disulfide	ND		6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND		4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**110**		30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		4.0	"	"	"	"	"	"	
Chloroform	**52**		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND		4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108004-08) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**11**	3.2	ug/m3	1	EH10412	05-Aug-11	05-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**44**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.0**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**40**	4.4	"	"	"	"	"	"	
m,p-Xylene	**120**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**30**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**17**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**22**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**79**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*		*77-127*	"	"	"	"	

No flags

PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result		Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-5 (E108004-11) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11										
Isopropyl alcohol (LCC)	ND		10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND		5.0	ug/m3	"	"	"	"	"	
Chloromethane	**20**		2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND		7.1	"	"	"	"	"	"	
Vinyl chloride	ND		2.6	"	"	"	"	"	"	
Bromomethane	ND		16	"	"	"	"	"	"	
Chloroethane	ND		8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND		5.7	"	"	"	"	"	"	
Acetone	**1100**	J	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND		4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND		7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**4.3**		3.5	"	"	"	"	"	"	
Carbon disulfide	**70**		6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND		4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**260**		30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND		4.0	"	"	"	"	"	"	
Chloroform	**120**		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND		4.1	"	"	"	"	"	"	
Benzene	**24**		3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND		6.4	"	"	"	"	"	"	
Trichloroethene	ND		5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND		9.4	"	"	"	"	"	"	
Bromodichloromethane	**32**		6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**36**		8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		4.6	"	"	"	"	"	"	
Toluene	**50**		3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**110**		8.3	"	"	"	"	"	"	
Dibromochloromethane	**13**		8.6	"	"	"	"	"	"	
Tetrachloroethene	**11**		6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		7.0	"	"	"	"	"	"	
Chlorobenzene	**12**		4.7	"	"	"	"	"	"	
Ethylbenzene	**13**		4.4	"	"	"	"	"	"	
m,p-Xylene	**49**		8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV77-5 (E108004-11) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	**7.8**	4.3	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
o-Xylene	**16**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**12**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**38**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**72**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*		*77-127*	"	"	"	"	
SV78-15 (E108004-12) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**180**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**15**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**65**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**120**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

No flags
PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-15 (E108004-12) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Benzene	**36**	3.2	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**15**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**20**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**22**	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.3**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.7**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**14**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*		*77-127*	"	"	"	"	

No flags

PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result		Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-5 (E108004-13) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11										
Isopropyl alcohol (LCC)	ND		10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND		5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND		2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND		7.1	"	"	"	"	"	"	
Vinyl chloride	ND		2.6	"	"	"	"	"	"	
Bromomethane	ND		16	"	"	"	"	"	"	
Chloroethane	ND		8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND		5.7	"	"	"	"	"	"	
Acetone	**4400**	**J**	24	"	"	"	"	"	"	E
1,1-Dichloroethene	ND		4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND		7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND		3.5	"	"	"	"	"	"	
Carbon disulfide	**47**		6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND		8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND		4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**710**	**J**	30	"	"	"	"	"	"	E
cis-1,2-Dichloroethene	ND		4.0	"	"	"	"	"	"	
Chloroform	**48**		5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND		5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND		4.1	"	"	"	"	"	"	
Benzene	**15**		3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND		6.4	"	"	"	"	"	"	
Trichloroethene	ND		5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND		9.4	"	"	"	"	"	"	
Bromodichloromethane	**17**		6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND		4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**53**		8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND		4.6	"	"	"	"	"	"	
Toluene	**22**		3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND		5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	**180**		8.3	"	"	"	"	"	"	
Dibromochloromethane	**16**		8.6	"	"	"	"	"	"	
Tetrachloroethene	ND		6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND		7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND		7.0	"	"	"	"	"	"	
Chlorobenzene	**8.4**		4.7	"	"	"	"	"	"	
Ethylbenzene	**6.6**		4.4	"	"	"	"	"	"	
m,p-Xylene	**27**		8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC072911-11	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	10-Aug-11 09:36

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV78-5 (E108004-13) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Styrene	**5.7**	4.3	ug/m3	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
o-Xylene	**9.2**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**7.9**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**38**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**100**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.0 %*		*77-127*	"	"	"	"	
SV79-15 (E108004-14) Vapor Sampled: 28-Jul-11 Received: 29-Jul-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10412	05-Aug-11	06-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**220**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**34**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**28**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

No flags

PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108019-17) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**55**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**15**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**23**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**74**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**6.1**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**11**	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.0**	4.4	"	"	"	"	"	"	
m,p-Xylene	**18**	8.8	"	"	"	"	"	"	

No flags
PGC ITSI
26Aug2011

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV79-5 (E108019-17) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	**7.8**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.0**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**24**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.7 %*		*77-127*	"	"	"	"	
SV71-15 (E108019-18) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**12**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**110**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**35**	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**15**	3.5	"	"	"	"	"	"	
Carbon disulfide	**6.3**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**41** J	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**51**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**13**	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV71-15 (E108019-18) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**23**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**2700**	55	"	10	"	"	15-Aug-11	"	
1,2-Dichloropropane	ND	9.4	"	1	"	"	09-Aug-11	"	
Bromodichloromethane	**32**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**57**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**24**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**18**	4.7	"	"	"	"	"	"	
Ethylbenzene	**11**	4.4	"	"	"	"	"	"	
m,p-Xylene	**27**	8.8	"	"	"	"	"	"	
Styrene	**8.1**	4.3	"	"	"	"	"	"	
o-Xylene	**14**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**11**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

No flags
PGC ITSI
26Aug2011

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Primary Soil Gas Sampling
Qualified Results Table
Project Number 005086-016

TA Lab ID	Client ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E108004-08	SV76-15	7/28/2011	Vapor	EPA TO-15	Acetone	1500	J	1500 J	24	ug/m^3	Calibration Range	ITSI/PGC/EHD
E108004-11	SV77-5	7/28/2011	Vapor	EPA TO-15	Acetone	1100	J	1100 J	24	ug/m^3	Calibration Range	ITSI/PGC/EHD
E108004-13	SV78-5	7/28/2011	Vapor	EPA TO-15	Acetone	4400	J	4400 J	24	ug/m^3	Calibration Range	ITSI/PGC/EHD
E108004-13	SV78-5	7/28/2011	Vapor	EPA TO-15	2-Butanone (MEK)	710	J	710 J	30	ug/m^3	Calibration Range	ITSI/PGC/EHD
E108004-05	SV75-15	7/28/2011	Vapor	EPA TO-15	Carbon disulfide	100	J	100 J	6.3	ug/m^3	RPD FD	ITSI/PGC/EHD
E108004-06	SV75-15 dup	7/28/2011	Vapor	EPA TO-15	Carbon disulfide	170	J	170 J	6.3	ug/m^3	RPD FD	ITSI/PGC/EHD
E108019-18	SV71-15	8/1/2011	Vapor	EPA TO-15	2-Butanone (MEK)	41	J	41 J	30	ug/m^3	%D CCV	ITSI/PGC/EHD

Notes
J = estimated value
$\mu g/m^3$ = micrograms per cubic meter

CCV = continuing calibration verification
%D = percent difference or drift
FD = field duplicate
PQL = Practical Quantitation Limit
RPD = relative percent difference

APPENDIX D

FIELD DUPLICATE TABLE

Field Duplicate Table
Motorola 52nd Street

Client ID Primary/FD	Laboratory ID Primary/FD	Compound	Sample µg/m³	Duplicate µg/m³	RPD %	Agreement (Yes) Disagreement (No)	RL µg/m3
SV75-15/SV75-15 dup	E108004-05/06	1,2,4-Trimethylbenzene	23	29	23	Yes	5.0
SV75-15/SV75-15 dup	E108004-05/06	1,3,5-Trimethylbenzene	16	17	6	Yes	5.0
SV75-15/SV75-15 dup	E108004-05/06	2-Butanone (MEK)	110	120	9	Yes	30
SV75-15/SV75-15 dup	E108004-05/06	2-Hexanone (MBK)	11	15	31	Yes	8.3
SV75-15/SV75-15 dup	E108004-05/06	4-Ethyltoluene	ND	5.9	NC	NA	5.0
SV75-15/SV75-15 dup	E108004-05/06	4-Methyl-2-pentanone (MIBK)	8.8	11	22	Yes	8.3
SV75-15/SV75-15 dup	E108004-05/06	Acetone	200	260	26	Yes	24
SV75-15/SV75-15 dup	E108004-05/06	Benzene	9.3	9.4	1	Yes	3.2
SV75-15/SV75-15 dup	E108004-05/06	Carbon disulfide	100	170	52	No	6.3
SV75-15/SV75-15 dup	E108004-05/06	Chloroform	98	110	12	Yes	5.0
SV75-15/SV75-15 dup	E108004-05/06	Ethylbenzene	6.5	8.1	22	Yes	4.4
SV75-15/SV75-15 dup	E108004-05/06	m,p-Xylene	20	28	33	Yes	8.8
SV75-15/SV75-15 dup	E108004-05/06	o-Xylene	7.5	8.9	17	Yes	4.4
SV75-15/SV75-15 dup	E108004-05/06	Toluene	66	75	13	Yes	3.8
SV75-15/SV75-15 dup	E108004-05/06	Trichloroethene	55	56	2	Yes	5.5

Notes

µg/m³ micrograms per cubic meter

FD = field duplicate
NA = RPD not applicable since both samples results are less than five times the reporting limit or non-detect
NC = RPD not calculable due to one sample result reported as non-detect.
No = RPD greater than 50 and at least one sample result is greater than five times the reporting limit.
RL = reporting limit
RPD = relative percent difference
Yes = RPD less than control limit of 50

Innovative Technical Solutions, Inc.
A Gilbane Company

September 16, 2011

Mr. Todd Cruse, RG
Clear Creek Associates
6155 E. Indian School Road, Suite 200
Scottsdale, Arizona 85251

RE: ITSI DATA REVIEW REPORT
MOTOROLA 52ND STREET
SOIL GAS SAMPLING INVESTIGATION
PROJECT NUMBER 005086-016

Dear Mr. Cruse:

Innovative Technical Solutions, Inc. (ITSI) has completed the data review for Clear Creek Associates' (CCA) Motorola 52nd Street, Operable Unit One (OU1) confirmation sample results for the Soil Gas Sampling Investigation. ITSI performed data review as described in the U.S. Environmental Protection Agency (EPA) *National Functional Guidelines for Superfund Organic Data Review*, 2005; and *the Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona*, CCA, December 3, 2010, (Amended March 17, 2011); and by using criteria in the referenced method.

The acronym and abbreviations list is included as Appendix A. Data review qualifiers have been marked in red directly on the analytical reports provided by the laboratory and are attached as Appendix B. A summary of all qualified data is provided in a qualified results table (QRT) as Appendix C. A summary of the field duplicate pair results is provided in the Field Duplicate Table as Appendix D.

1.0 CROSS REFERENCE OF SAMPLES VERIFIED

The analytical data presented in the laboratory Sample Delivery Groups (SDGs) and reported on the dates listed in Table 1 were reviewed as a Tier 1B data validation. The SDGs contained data for a full list of volatile organic compounds (VOCs) by EPA Method TO-15. The analytical laboratories for the confirmation sample analysis were H&P Mobile Chemistry Inc. of Carlsbad, California and Test America (TA) of Phoenix,

1501 West Fountainhead Parkway, Suite 350
Tempe, Arizona 85282

(480) 706-6488
fax (480) 704-2952
.itsi.com

Arizona. Table 1 below provides an analytical summary and cross reference for the samples along with the date the report was issued for each SDG.

Table 1 Analytical Summary and Cross Reference for Method TO-15

Client Sample ID	Date Sampled	Lab	Laboratory SDG Number	Laboratory Report Date	Type
SV69-15	06/15/2011	TA	PUF0898-01	06/27/2011	
SV69-5	06/15/2011	TA	PUF0898-02	06/27/2011	
SV64-15	06/28/2011	H&P	E106096-01	07/11/2011	
SV64-5	06/28/2011	H&P	E106096-02	07/11/2011	
SV67-15	06/28/2011	H&P	E106096-03	07/11/2011	
SV67-5	06/28/2011	H&P	E106096-04	07/11/2011	
SV72-15	06/28/2011	H&P	E106096-05	07/11/2011	
SV72-5	06/28/2011	H&P	E106096-06	07/11/2011	
SV71-15	06/28/2011	H&P	E106096-07	07/11/2011	
SV71-5	06/28/2011	H&P	E106096-08	07/11/2011	
SV60-15	06/28/2011	H&P	E106096-09	07/11/2011	
SV60-5	06/28/2011	H&P	E106096-10	07/11/2011	
SV77-15	08/01/2011	H&P	E108019-03	08/16/2011	
SV77-5	08/01/2011	H&P	E108019-04	08/16/2011	
SV76-15	08/01/2011	H&P	E108019-05	08/16/2011	
SV76-5	08/01/2011	H&P	E108019-06	08/16/2011	
SV75-15	08/01/2011	H&P	E108019-07	08/16/2011	
SV75-5	08/01/2011	H&P	E108019-08	08/16/2011	
SV74-15	08/01/2011	H&P	E108019-09	08/16/2011	
SV74-5	08/01/2011	H&P	E108019-10	08/16/2011	
SV73-15	08/01/2011	H&P	E108019-11	08/16/2011	
SV73-5	08/01/2011	H&P	E108019-12	08/16/2011	
SV78-15	08/01/2011	H&P	E108019-13	08/16/2011	
SV78-5	08/01/2011	H&P	E108019-14	08/16/2011	
SV79-15	08/01/2011	H&P	E108019-15	08/16/2011	PS
SV79-15 dup	08/01/2011	H&P	E108019-16	08/16/2011	FD
SV79-5	08/01/2011	H&P	E108019-17	08/16/2011	

FD = Field duplicate sample
PS = Parent sample of field duplicate

EPA Tier 1B data validation was performed on the samples listed above. The validation included review of reports from the laboratory equivalent to an EPA Level III data deliverable. Level III data deliverables contain the sample results and chain-of-custody forms along with basic Quality Control (QC) summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample

preparation batch. If any analytical problems were encountered, the report also includes a case narrative describing the problem and any potential impact on data quality.

2.0 LABORATORY REPORT

The comments and data qualifiers noted by the laboratory in the case narratives were reviewed. Anomalies that required data qualification, if any, are discussed in the sections below.

3.0 SAMPLE INTEGRITY

The Chains-of-Custody (COC) for the June 15, 28 and August 01, 2011 sampling events were available for review. There were no anomalies that required qualification of the data, however, the following observation was made.

- The custody trail for the samples from SDG E106096 was incomplete. The release of the samples to the shipping carrier was not documented on the COC. Since the tracking number from the shipping company was documented on the COC, no action is required.

4.0 HOLDING TIME

The samples were analyzed within the recommended method holding time of 30 days after collection.

5.0 INITIAL AND CONTINUING CALIBRATION

The initial and continuing calibrations were not reviewed for this level of validation, however, the laboratory noted the following calibration anomaly.

- The laboratory qualifiers indicated that the percent difference for 2-butanone was out of criteria in the continuing calibration verification associated with samples SV76-15, SV75-15, SV75-5 and SV73-15 from SDG E108019. The results for 2-butanone in the above samples have been qualified as “J” for an estimated value.

6.0 BLANK EVALUATION

Method blanks were analyzed for each analysis to assess laboratory contamination. There were no compounds detected in the method blanks that required qualification of the data.

7.0 LABORATORY CONTROL SAMPLE (LCS) AND LABORATORY CONTROL SAMPLE (LCSD)

An LCS/LCSD pair was reported for each analysis. QC results were reviewed using the QAPP control limit of 65 to 135 percent for accuracy and 35 for precision. The laboratory reported an abbreviated list of compounds in the LCS/LCSD pairs. There were no anomalies that required qualification of the data.

8.0 MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Project MS/MSD pairs were not collected as required by the QAPP. Instead, LCS/LCSD pairs, which are discussed in Section 7.0, were used to measure analytical precision and accuracy.

9.0 SURROGATES

Surrogate spike recoveries were reviewed against the laboratory established control limits. All surrogate recoveries were within control limits.

10.0 COMPOUND QUANTITATION AND IDENTIFICATION

The laboratory reporting limits and quantitative results were reviewed. All reporting limits met the Client Required Detection Limits (CRDLs) listed in the QAPP. There were no quantitation anomalies that required qualification of the data, however, the following observation was made.

- Several non-detect results in samples SV72-15, SV72-5, SV71-15 and SV71-5 from SDG E106096 were elevated due to high levels of target analytes. No qualifiers are required.

11.0 FIELD DUPLICATE SAMPLES

A field duplicate pair was collected for SDG E108019 and analyzed to measure field and laboratory precision. The results of the field duplicate and parent samples were compared and are summarized in the Field Duplicate Table presented as Appendix D. All field duplicate results were in agreement.

12.0 RECOMMENDATIONS

There are no recommendations.

13.0 OVERALL ASSESSMENT FOR MOTOROLA 52ND ST JUNE 15, JUNE 28 AND AUGUST 1, 2011 CONFIRMATION SAMPLING EVENT

There were no rejected results for this sampling event. Based on the available information, the data as qualified are considered useable for their intended purposes.

We thank you for the opportunity to serve you and look forward to supporting CCA with data review in the future.

Sincerely,

Innovative Technical Solutions, Inc.

Evelyn Dawson, CHMM

Program Chemist

Appendix A – List of Acronyms and Abbreviations
Appendix B – Qualified Report Pages
Appendix C – Qualified Results Table
Appendix D - Field Duplicate Table

APPENDIX A

LIST OF ACRONYMS AND ABBREVIATIONS

LIST OF ACRONYMS AND ABBREVIATIONS

CCA	Clear Creek Associates
COC	chain-of-custody
CRDL	Client Required Reporting Limit
EPA	U.S. Environmental Protection Agency
ITSI	Innovative Technical Solutions, Inc.
LCS/LCSD	laboratory control spike/ laboratory control spike duplicate
MS/MSD	matrix spike/matrix spike duplicate
QAPP	Quality Assurance Project Plan
QC	quality control
QRT	Qualified Results Table
SDG	Sample Delivery Group
VOC	volatile organic compound

APPENDIX B

QUALIFIED REPORT PAGES

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108019-05) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**88**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**79**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**54**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**3.5**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**36**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.9**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.2**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**8.8**	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-15 (E108019-05) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	**6.3**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.7**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**19**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.0 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*77-127*	"	"	"	"	
SV76-5 (E108019-06) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**89**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**12**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV76-5 (E108019-06) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**4.9**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**23**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.4**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**7.8**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**5.2**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.7 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108019-07) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**54**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**94**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**53**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**100**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.6**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**77**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	**8.6**	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**57**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**9.5**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.5**	8.8	"	"	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-15 (E108019-07) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**5.2**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**15**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*77-127*	"	"	"	"	
SV75-5 (E108019-08) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.7	"	"	"	"	"	"	
Acetone	**79**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**6.9**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**42**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**32**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV75-5 (E108019-08) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**7.7**	3.2	ug/m3	1	EH10807	08-Aug-11	08-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**36**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**11**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.3**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*		*77-127*	"	"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108019-11) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**83**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**21**	5.7	"	"	"	"	"	"	
Acetone	**58**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**17**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**44**	30	"	"	"	"	"	"	C-06
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**66**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**20**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**25**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**18**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**13**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-15 (E108019-11) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Styrene	ND	4.3	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.0**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.9 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*		*77-127*	"	"	"	"	
SV73-5 (E108019-12) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Isopropyl alcohol (LCC)	ND	10	ug/l	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Dichlorodifluoromethane (F12)	**89**	5.0	ug/m3	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**14**	5.7	"	"	"	"	"	"	
Acetone	**97**	24	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	**54**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**19**	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Clear Creek Associates	Project: CC080211-10	
6155 E. Indian School Road Suite 200	Project Number: 005086	Reported:
Scottsdale, AZ 85251-5499	Project Manager: Mr. Todd Cruse	16-Aug-11 11:45

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV73-5 (E108019-12) Vapor Sampled: 01-Aug-11 Received: 02-Aug-11									
Benzene	**19**	3.2	ug/m3	1	EH10807	08-Aug-11	09-Aug-11	EPA TO-15	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	**110**	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**7.8**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**18**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**5.6**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**10**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**6.0**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**29**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	11	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*77-127*	"	"	"	"	

APPENDIX C

QUALIFIED RESULTS TABLE

Motorola 52nd Street OU1
Qualified Results Table
Project Number 005086-016

TA Lab ID	Client ID	Sample Collection Date	Type	Method	Parameter	Original Value	Added Qualifier	New Value	PQL	Units	Reason	Validator
E108019-05	SV76-15	08/01/2011	Vapor	EPA TO-15	2-Butanone (MEK)	79	J	79 J	30	ug/m^3	%D CCV	ITSI/PGC/EHD
E108019-07	SV75-15	08/01/2011	Vapor	EPA TO-15	2-Butanone (MEK)	53	J	53 J	30	ug/m^3	%D CCV	ITSI/PGC/EHD
E108019-08	SV75-5	08/01/2011	Vapor	EPA TO-15	2-Butanone (MEK)	42	J	42 J	30	ug/m^3	%D CCV	ITSI/PGC/EHD
E108019-11	SV73-15	08/01/2011	Vapor	EPA TO-15	2-Butanone (MEK)	44	J	44 J	30	ug/m^3	%D CCV	ITSI/PGC/EHD

Notes

J = estimated value

$\mu g/m^3$ = micrograms per cubic meter

CCV = continuing calibration verification

%D = percent difference or drift

PQL = Practical Quantitation Limit

\

APPENDIX D

FIELD DUPLICATE TABLE

Field Duplicate Table
Confirmation Replicate Samples
Project Number 005086-016

Client ID Primary/FD	Laboratory ID Primary/FD	Compound	Sample µg/m^3	Duplicate µg/m^3	RPD %	Agreement (Yes) Disagreement (No)
SV79-15/SV79-15 dup	E108019-15/16	1,2,4-Trimethylbenzene	7.7	8.7	12	yes
SV79-15/SV79-15 dup	E108019-15/16	Acetone	46	49	6	yes
SV79-15/SV79-15 dup	E108019-15/16	Benzene	16	13	21	yes
SV79-15/SV79-15 dup	E108019-15/16	Chlorobenzene	8.5	8.3	2	yes
SV79-15/SV79-15 dup	E108019-15/16	Chloroform	28	30	7	yes
SV79-15/SV79-15 dup	E108019-15/16	Toluene	4.9	4.4	11	yes

Notes

µg/m^3 micrograms per cubic meter

FD = field duplicate
RL = reporting limit
RPD = relative percent difference
Yes = RPD less than control limit of 50

Appendix F

Technical Memorandum
Chloroform and Bromodichloromethane in Soil Gas,
Motorola 52nd Street Superfund Site Operable Unit 1 Area

(Data Table Attachments provided on CD of report)

This page intentionally left blank for duplex printing

CLEAR CREEK ASSOCIATES

6155 E. Indian School Rd.
Suite 200
Scottsdale, Arizona 85251
480 659 7131 Tel
480 659 7143 Fax

TECHNICAL MEMORANDUM

TO: JENN MCCALL – FREESCALE SEMICONDUCTOR, INC.

FROM: THOMAS SURIANO, R.G. – CLEAR CREEK ASSOCIATES, PLC

SUBJECT: CHLOROFORM AND BROMODICHLOROMETHANE IN SOIL GAS
MOTOROLA 52ND STREET SUPERFUND SITE
OPERABLE UNIT 1 AREA

DATE: JUNE 4, 2012

REGISTERED GEOLOGIST
CERTIFICATE NO
26775
THOMAS R.
SURIANO
Date Signed 6/4/12
ARIZONA U.S.A.
Expires 3/31/2014

Background

As part of a soil gas to indoor air vapor intrusion evaluation, a soil gas investigation was conducted in the Operable Unit 1 Study Area of the Motorola 52nd Street Superfund Site (Figure 1). The purpose of the investigation was to evaluate the soil gas to indoor air exposure pathway for an area underlain by a trichloroethene (TCE) groundwater plume. The investigation was conducted by Clear Creek Associates, PLC (Clear Creek) on behalf of Freescale Semiconductor, Inc. (Freescale) in accordance with a Consent Agreement between Freescale and the U.S. Environmental Protection Agency (EPA). The soil gas investigation was conducted between April 18 and July 28, 2011. As part of the investigation, soil gas samples were collected from 77[1] locations equipped with temporary soil gas probes (Figure 2). Each temporary soil gas probe was dual completion with probes installed at 5 and 15 feet below ground surface (ft bgs). Probes were constructed of 1/8-inch diameter Teflon tubing with microfilter sampling tips. After an equilibration period, soil gas samples were collected and analyzed for select parameters by a modified EPA Method TO-15 in a mobile laboratory or by EPA Method TO-15 in a fixed laboratory. A confirmation sample was also collected at each location. The investigation protocol is documented in the *Soil Gas Sampling Work Plan, Soil Gas Sampling Investigation, Operable Unit 1, Motorola 52nd Street Superfund Site, Phoenix, Arizona* (Clear Creek Associates, December 3, 2010).

Results

The maximum observed concentrations of TCE, chloroform and bromodichloromethane (BDCM) from the 5 ft bgs and 15 ft bgs sampling ports are presented on Tables 1 and 2, respectively. As shown on Figure 3, chloroform was detected at all but five of the soil gas sampling locations – even at locations with low to no detectable levels of TCE. While not as widely distributed, BDCM was detected at approximately 1/3 of the soil gas sampling locations, including some locations with low to no detectable levels of TCE

[1] Temporary probes were installed in a total of 79 locations, including contingent locations. Sampling was determined not to be necessary at two of the contingent locations.

(Figure 4). The Soil Gas Human Health Screening Levels (SGHHSLs) for chloroform and BDCM adopted in the Soil Gas Sampling Work Plan are 48 µg/m^3 and 29 µg/m^3, respectively (Clear Creek Associates, December 3, 2010). With such low SGHHSLs, the majority of the detections of chloroform and BDCM were in excess of the SGHHSL even where TCE was not present.

The wide-spread presence of chloroform and BDCM observed during the soil gas investigation was unexpected based on our understanding of the facility history. As part of the Remedial Investigation at the site, extensive investigations of potential sources at the former 52nd Street facility have been conducted. The investigations included chemical inventories, operational reviews, employee interviews in addition to physical investigations of soil, soil gas and groundwater in each of the identified potential source areas at the 52nd Street facility. Neither chloroform nor carbon tetrachloride (which can degrade to chloroform under anaerobic conditions) were used at the facility (Dames & Moore, Remedial Investigation, Motorola 52nd Street Superfund Site RI/FS, June 1987). The absence of a source is confirmed by the available groundwater monitoring data. Only a single detection of carbon tetrachloride at 1.2 µg/L in one bedrock monitoring well has been reported in the OU1 area. Although chloroform has been detected in groundwater, it is not widely distributed and the observed concentrations tend to be low. During the source investigation, the presence of chloroform was associated with the use of chlorinated municipal water supplies at the facility. Similarly, BDCM is generally not used as an industrial solvent but BDCM is formed during the chlorination of municipal water (ATSDR ToxFAQs http://www.atsdr.cdc.gov/toxfaqs/tf.asp?id=707&tid=127). Summary tables of the BDCM, carbon tetrachloride and chloroform results from groundwater monitoring wells in the vicinity of the OU1 soil gas study area are included as Attachments A, B and C, respectively.

With no evidence of a source at the facility, we then evaluated whether there was any correlation between the presence of chloroform and BDCM in soil gas and the presence of TCE in soil gas. This evaluation was complicated by several outlier data points in the soil gas investigation. The outlier data are evident when evaluating the cross-plot of TCE vs chloroform using all data from 5 ft bgs (Figure 5). The outlier data have such a large difference in observed concentrations, they can arbitrarily affect, or leverage, the best fit line to imply a correlation where none exists. Based on Figure 5, outlier data were defined as data points with TCE concentrations in excess of 15,000 µg/m^3. We removed the outlier data points identified on Tables 1 and 2 and developed new cross plots. We concluded that the distribution of data points showed no correlation between the concentration of TCE and the concentration of chloroform present in soil gas.

This conclusion is supported by both the calculated correlation coefficient (or r value) and the coefficient of determination (or r^2 value). These values were examined to estimate the strength of the relationship, or correlation, between TCE and chloroform and TCE and BDCM.

The r value is a measure of the strength of a relationship between two variables. R values are $-1 \leq r \geq +1$ with the + and – signs used for positive (both increasing) correlations or negative (one decreases as the other increases), respectively. R values greater than 0.8 indicate that the correlation is strong while r values less than 0.5 indicate that the correlation is weak. Using the data sets with the outlier TCE values

removed, the r value was calculated for TCE vs chloroform (Tables 3A and 4A for 5 ft and 15 ft bgs, respectively) and TCE vs BDCM (Tables 3B and 4B for 5 ft bgs and 15 ft bgs, respectively) as summarized below.

Calculated r values

	5 ft bgs	15 ft bgs
TCE vs Chloroform	0.09	0.10
TCE vs Bromodichloromethane	0.15	0.06

The calculated r values noted above are all significantly below 0.8 indicating that there is no correlation between the concentration of TCE and the concentration of either chloroform or BDCM observed in soil gas.

Cross-plots of TCE vs. chloroform and TCE vs. BDCM were also developed for the 5 ft bgs and 15 ft bgs after removing the outlier data points (Tables 3A and 3B for TCE-chloroform at 5 ft bgs and 4A and 4B for TCE-BDCM at 5 ft and 15 ft bgs). The cross plots for the 5 ft bgs data for TCE vs chloroform are shown on Figure 6 and for TCE vs BDCM on Figure 7. The cross plots for the 15 ft bgs data for TCE vs chloroform are shown on Figure 8 and for TCE vs BDCM on Figure 9. The cross plots shown on Figures 6 through 9 also show the best fit line[2] and the coefficient of determination (or r^2 value). The coefficient of determination is such that $0 \leq r^2 \geq 1$ and is a measure of the strength of the linear relationship between the two variables. The results are summarized below.

Calculated r^2 values

	5 ft bgs	15 ft bgs
TCE vs Chloroform	0.0085	0.0095
TCE vs Bromodichloromethane	0.022	0.0037

The r^2 value can be read as a percentage of the variance that can be explained by the linear relationship between the two values. In other words, for the 5 ft bgs data set, only 0.85% of the variance in the chloroform concentration can be explained by variance in the TCE concentration with the remaining 99.15% of the variance being unexplained. The r^2 values noted above confirm that there is no relation between the observed TCE and chloroform or BDCM concentrations.

[2] The best fit line was auto-calculated by Excel™ using the least squares method.

Municipal Water Supply as Trihalomethane Source

The lack of correlation between TCE and chloroform and TCE and BDCM suggests that the Chloroform and BDCM has a different source than TCE. To evaluate whether chloroform and BDCM may originate from the same source, a scatter plot of chloroform versus BDCM was prepared (Figure 10). Only the results for sampling ports with positive detections of both chloroform and BDCM were plotted and the results were posted using a log-log scale so that all results are visible. The majority of results form a strong trend, consistent with the two compounds originating from a common source.

Similar to the evaluation of the TCE data, two data points with anomalously high chloroform (SV72) and BDCM (SV35) results were removed and the r values calculated. The results are posted on Tables 5A and 5B for the data from 5 ft and 15 ft bgs sampling ports, respectively. The calculated r values, shown below, indicate that there is a strong correlation between the chloroform and BDCM observed in soil gas.

Calculated r values

	5 ft bgs	15 ft bgs
Chloroform vs Bromodichloromethane	0.74	0.75

Cross-plots of chloroform vs. BDCM were also developed for the 5 ft bgs and 15 ft bgs data as shown on Figures 11 and 12, respectively. The cross plots also show the best fit line, assuming a linear relationship, and the r^2 value. The results, summarized below, indicate that there is a reasonably strong correlation between the chloroform and BDCM observed in soil gas.

Calculated r^2 values

	5 ft bgs	15 ft bgs
Chloroform vs Bromodichloromethane	0.54	0.56

The results of this analysis indicate that chloroform and BDCM originate from a common source but that the source of chloroform and BDCM is different than the source of the TCE observed in the OU1 area. A potential common source of chloroform and BDCM does exist in the soil gas investigation study area. The soil gas sampling locations were generally constructed in city rights-of-way. Underground utilities, including municipal water supply and sewer lines, are located within the rights-of-way throughout the study area. Additionally, many of the residential yards or landscaped areas are watered with chlorinated municipal water supplies. Both chloroform and BDCM are disinfection by-products formed as a result of the chlorination of municipal water supplies and volatilization from a municipal water supply source would be consistent with a common source for the observed chloroform and BDCM in soil gas. The City of Phoenix provided the results of distribution system sampling for total trihalomethanes (or THMs), including

chloroform and bromodichloromethane, from July 2010 through April 2011 for the three tested locations closest to the OU1 soil gas study area. The results are summarized on Table 6. As described below, Henry's law can be used to verify whether the observed THM concentrations in the potable supply could explain the observed THM concentrations in soil gas.

For chloroform, the maximum predicted soil gas concentration was calculated using the Henry's law constant (dimensionless) for chloroform and the median concentration observed in the municipal distribution system.

Where: $H = C_{air} / C_{water}$

Thus: $C_{air} = H * C_{water}$

Where H = 0.15 (chloroform)

And C_{water} = 43.50 µg/L

Then C_{air} = 6.53 µg/L

Expressed in µg/m^3, the median chloroform concentration observed in the municipal supply system in the vicinity of OU1 soil gas study area could produce 6,530 µg/m^3 of chloroform at equilibrium concentrations in soil gas[3]. The median[4] concentrations with the outlier TCE data points removed for the 5 ft bgs and 15 ft bgs data sets were 69 µg/m^3 and 120 µg/m^3 , respectively[5]. These values are only 1% and 1.8%, respectively, of the calculated equilibrium concentration expected based on the median chloroform concentration observed in the municipal water supply. Thus, it is reasonable to conclude that the observed concentrations of chloroform in soil gas originated from a municipal water source.

Similarly, using the Henry's constant for BDCM (0.13) and the median concentration of BDCM observed in the municipal distribution system (23 µg/L) yields a calculated equilibrium BDCM concentration of 2,990 µg/m^3 assuming a municipal water supply source. This was compared to the average observed concentrations of BDCM in soil gas, since the median observed concentration of BDCM in soil gas is 0. The average observed BDCM in soil gas at 5 and 15 ft bgs was only 0.66% and 0.54% of the calculated equilibrium concentration based on the median observed BDCM concentration observed in the municipal water supply. Thus, it is reasonable to conclude that observed concentrations of BDCM originated from a municipal water source.

[3] The equilibrium concentration resulting from the maximum chloroform concentration observed in the municipal distribution system would be 15.75 µg/L or 15,750 µg/m^3

[4] The median concentration for all locations would be 71 µg/m^3 and 130 µg/m^3 at 5 and 15 ft bgs, respectively

[5] The maximum chloroform soil gas concentration observed was 3,600 µg/m^3 and 5,900 µg/m^3 at 5 and 15 ft bgs, respectively.

Conclusion

There is no known chloroform or BDCM source associated with historical operations at the former Motorola 52nd Street facility. The observed concentrations of chloroform and BDCM in soil gas have no correlation to the observed concentrations of TCE in soil gas. Moreover, chloroform and BDCM are present in soil gas in areas with no associated groundwater contamination. However, there is a strong correlation between the observed chloroform and BDCM concentrations indicating that chloroform and BDCM originate from a single source – a source other than the source of the TCE. The concentrations of chloroform and BDCM observed in the study area are representative of only a small percentage (less than 2% for chloroform and less than 1% for BDCM) of the estimated equilibrium soil gas concentrations that would be expected from a municipal water supply source based on the median concentrations observed in the municipal distribution system over the last year. Therefore, it is concluded that the likely source of chloroform and BDCM in soil gas is off-gassing from municipal water or wastewater sources.

Table 1
Maximum Observed Soil Gas Concentration, All Data (5ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 5 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 5 foot depth ($\mu g/m^3$)
SV01	0	110	0
SV02	4400	160	0
SV03	220	330	0
SV04	520	0	0
SV05	72	32	0
SV06	0	36	0
SV07	0	64	0
SV08	0	360	49
SV09	0	82	60
SV10	140	50	0
SV11	580	150	0
SV12	120	120	68
SV13	1700	43	0
SV14	90	160	0
SV15	33	25	0
SV16	28	190	56
SV17	130	840	71
SV18	0	0	0
SV19	120	42	0
SV20	690	400	0
SV21	0	99	0
SV22	60	35	0
SV23	0	79	0
SV24	630	60	0
SV25	5400	110	0
SV26	2000	60	0
SV27	260	33	0
SV28	370	160	0
SV29	3400	160	96
SV30	570	37	0
SV31	880	59	0
SV32	0	0	0
SV33	970	110	38
SV34	2900	160	100
SV35	6200	47	81
SV36	2400	85	0
SV37	410	160	38
SV38	53	0	0
SV39	110	64	56
SV40	170	0	0
SV41	1500	110	110
SV42	200	91	0

Table 1
Maximum Observed Soil Gas Concentration, All Data (5ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 5 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 5 foot depth ($\mu g/m^3$)
SV43	1400	45	0
SV44	1000	35	0
SV45	220	28	0
SV46	38	740	170
SV47	2300	63	0
SV48	140	68	0
SV49	310	250	0
SV50	30	45	0
SV51	110	100	0
SV52	1100	230	87
SV53	1700	210	130
SV54	16000	150	0
SV55	340	870	0
SV56	4500	560	0
SV57	5100	180	0
SV58	16000	1100	210
SV59	0	32	0
SV60	68	120	34
SV61	1100	71	0
SV62	240	73	0
SV63	140	46	0
SV64	18	5.9	4.2
SV65	74	75	0
SV66	230	70	63
SV67	0	32	11
SV69	2.9	98	66
SV71	1600	44	17
SV72	39000	3600	87
SV73	110	31	14
SV74	17	13	0
SV75	0	32	0
SV76	23	16	0
SV77	0	120	32
SV78	39	48	17
SV79	74	16	0

Notes:
1) Red indicates outlier data
2) Highest observed value noted

Table 2
Maximum Observed Soil Gas Concentration, All Data (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 15 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 15 foot depth ($\mu g/m^3$)
SV01	0	120	0
SV02	4000	160	46
SV03	460	680	0
SV04	2200	51	0
SV05	230	82	0
SV06	5.4	84	0
SV07	79	220	0
SV08	95	890	100
SV09	50	250	0
SV10	370	67	0
SV11	1800	430	0
SV12	230	34	0
SV13	3800	71	48
SV14	240	380	0
SV15	68	0	0
SV16	54	150	48
SV17	230	1500	87
SV18	8.1	47	0
SV19	230	58	0
SV20	1200	620	0
SV21	67	120	0
SV22	100	49	0
SV23	0	31	0
SV24	2400	200	42
SV25	12000	330	0
SV26	4200	140	48
SV27	1900	170	0
SV28	970	520	0
SV29	6200	230	0
SV30	1200	55	0
SV31	2900	120	0
SV32	31	0	0
SV33	2600	320	64
SV34	3600	150	0
SV35	21000	170	390
SV36	5300	300	0
SV37	950	850	130
SV38	140	0	0
SV39	260	0	0
SV40	860	0	0
SV41	3800	160	0
SV42	290	100	0

Table 2
Maximum Observed Soil Gas Concentration, All Data (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 15 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 15 foot depth ($\mu g/m^3$)
SV43	3900	74	0
SV44	2500	63	0
SV45	700	30	0
SV46	330	1300	130
SV47	5400	160	73
SV48	680	53	0
SV49	1200	160	0
SV50	130	120	0
SV51	600	220	4.8
SV52	2500	650	110
SV53	2900	280	59
SV54	25000	190	0
SV55	590	890	65
SV56	7100	850	0
SV57	5900	270	0
SV58	21000	670	0
SV59	77	84	0
SV60	190	150	6.7
SV61	2200	83	0
SV62	520	130	0
SV63	410	59	0
SV64	8.1	2.6	0
SV65	470	71	0
SV66	630	65	0
SV67	16	12	0
SV69	3.2	210	28
SV71	3500	53	39
SV72	71000	5900	490
SV73	0	67	0
SV74	160	45	0
SV75	77	110	8.6
SV76	0	54	0
SV77	6	300	26
SV78	0	130	18
SV79	0	30	0

Notes:
1) Red indicates outlier data
2) Highest observed value noted

Table 3A
TCE and Chloroform Soil Gas Concentration, Outlier TCE Removed (5ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 5 foot depth ($\mu g/m^3$)
SV01	0	110
SV02	4400	160
SV03	220	330
SV04	520	0
SV05	72	32
SV06	0	36
SV07	0	64
SV08	0	360
SV09	0	82
SV10	140	50
SV11	580	150
SV12	120	120
SV13	1700	43
SV14	90	160
SV15	33	25
SV16	28	190
SV17	130	840
SV18	0	0
SV19	120	42
SV20	690	400
SV21	0	99
SV22	60	35
SV23	0	79
SV24	630	60
SV25	5400	110
SV26	2000	60
SV27	260	33
SV28	370	160
SV29	3400	160
SV30	570	37
SV31	880	59
SV32	0	0
SV33	970	110
SV34	2900	160
SV35	6200	47
SV36	2400	85
SV37	410	160
SV38	53	0
SV39	110	64
SV40	170	0
SV41	1500	110
SV42	200	91

Table 3A
TCE and Chloroform Soil Gas Concentration, Outlier TCE Removed (5ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 5 foot depth ($\mu g/m^3$)
SV43	1400	45
SV44	1000	35
SV45	220	28
SV46	38	740
SV47	2300	63
SV48	140	68
SV49	310	250
SV50	30	45
SV51	110	100
SV52	1100	230
SV53	1700	210
SV55	340	870
SV56	4500	560
SV57	5100	180
SV59	0	32
SV60	68	120
SV61	1100	71
SV62	240	73
SV63	140	46
SV64	18	5.9
SV65	74	75
SV66	230	70
SV67	0	32
SV69	2.9	98
SV71	1600	44
SV73	110	31
SV74	17	13
SV75	0	32
SV76	23	16
SV77	0	120
SV78	39	48
SV79	74	16

Median Concentration ($\mu g/m^3$)	140	69

Correlation coefficient r =	0.09

Table 3B
TCE and Bromodichloromethane, Outlier TCE Removed (5 ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 5 foot depth ($\mu g/m^3$)
SV01	0	0
SV02	4400	0
SV03	220	0
SV04	520	0
SV05	72	0
SV06	0	0
SV07	0	0
SV08	0	49
SV09	0	60
SV10	140	0
SV11	580	0
SV12	120	68
SV13	1700	0
SV14	90	0
SV15	33	0
SV16	28	56
SV17	130	71
SV18	0	0
SV19	120	0
SV20	690	0
SV21	0	0
SV22	60	0
SV23	0	0
SV24	630	0
SV25	5400	0
SV26	2000	0
SV27	260	0
SV28	370	0
SV29	3400	96
SV30	570	0
SV31	880	0
SV32	0	0
SV33	970	38
SV34	2900	100
SV35	6200	81
SV36	2400	0
SV37	410	38
SV38	53	0
SV39	110	56
SV40	170	0
SV41	1500	110
SV42	200	0
SV43	1400	0
SV44	1000	0

Table 3B
TCE and Bromodichloromethane, Outlier TCE Removed (5 ft bgs)

Site ID	Trichloroethene Concentrations at 5 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 5 foot depth ($\mu g/m^3$)
SV45	220	0
SV46	38	170
SV47	2300	0
SV48	140	0
SV49	310	0
SV50	30	0
SV51	110	0
SV52	1100	87
SV53	1700	130
SV55	340	0
SV56	4500	0
SV57	5100	0
SV59	0	0
SV60	68	34
SV61	1100	0
SV62	240	0
SV63	140	0
SV64	18	4.2
SV65	74	0
SV66	230	63
SV67	0	11
SV69	2.9	66
SV71	1600	17
SV73	110	14
SV74	17	0
SV75	0	0
SV76	23	0
SV77	0	32
SV78	39	17
SV79	74	0

Median Concentration ($\mu g/m^3$)	140	0

Correlation coefficient r =	0.15

Table 4A
TCE and Chloroform Soil Gas Concentrations, Outlier TCE Removed (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 15 foot depth ($\mu g/m^3$)
SV01	0	120
SV02	4000	160
SV03	460	680
SV04	2200	51
SV05	230	82
SV06	5.4	84
SV07	79	220
SV08	95	890
SV09	50	250
SV10	370	67
SV11	1800	430
SV12	230	34
SV13	3800	71
SV14	240	380
SV15	68	0
SV16	54	150
SV17	230	1500
SV18	8.1	47
SV19	230	58
SV20	1200	620
SV21	67	120
SV22	100	49
SV23	0	31
SV24	2400	200
SV25	12000	330
SV26	4200	140
SV27	1900	170
SV28	970	520
SV29	6200	230
SV30	1200	55
SV31	2900	120
SV32	31	0
SV33	2600	320
SV34	3600	150
SV36	5300	300
SV37	950	850
SV38	140	0
SV39	260	0
SV40	860	0
SV41	3800	160
SV42	290	100

Table 4A
TCE and Chloroform Soil Gas Concentrations, Outlier TCE Removed (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Chloroform Concentrations at 15 foot depth ($\mu g/m^3$)
SV43	3900	74
SV44	2500	63
SV45	700	30
SV46	330	1300
SV47	5400	160
SV48	680	53
SV49	1200	160
SV50	130	120
SV51	600	220
SV52	2500	650
SV53	2900	280
SV55	590	890
SV56	7100	850
SV57	5900	270
SV59	77	84
SV60	190	150
SV61	2200	83
SV62	520	130
SV63	410	59
SV64	8.1	2.6
SV65	470	71
SV66	630	65
SV67	16	12
SV69	3.2	210
SV71	3500	53
SV73	0	67
SV74	160	45
SV75	77	110
SV76	0	54
SV77	6	300
SV78	0	130
SV79	0	30

Median Concentration ($\mu g/m^3$)	460	120

Correlation coefficient r =	0.10

Table 4B
TCE and Bromodichloromethane Soil Gas Concentrations, Outlier TCE Removed (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 15 foot depth ($\mu g/m^3$)
SV01	0	0
SV02	4000	46
SV03	460	0
SV04	2200	0
SV05	230	0
SV06	5.4	0
SV07	79	0
SV08	95	100
SV09	50	0
SV10	370	0
SV11	1800	0
SV12	230	0
SV13	3800	48
SV14	240	0
SV15	68	0
SV16	54	48
SV17	230	87
SV18	8.1	0
SV19	230	0
SV20	1200	0
SV21	67	0
SV22	100	0
SV23	0	0
SV24	2400	42
SV25	12000	0
SV26	4200	48
SV27	1900	0
SV28	970	0
SV29	6200	0
SV30	1200	0
SV31	2900	0
SV32	31	0
SV33	2600	64
SV34	3600	0
SV36	5300	0
SV37	950	130
SV38	140	0
SV39	260	0
SV40	860	0
SV41	3800	0
SV42	290	0
SV43	3900	0
SV44	2500	0
SV45	700	0

Table 4B
TCE and Bromodichloromethane Soil Gas Concentrations, Outlier TCE Removed (15 ft bgs)

Site ID	Trichloroethene Concentrations at 15 foot depth ($\mu g/m^3$)	Bromodichloromethane Concentrations at 15 foot depth ($\mu g/m^3$)
SV46	330	130
SV47	5400	73
SV48	680	0
SV49	1200	0
SV50	130	0
SV51	600	4.8
SV52	2500	110
SV53	2900	59
SV55	590	65
SV56	7100	0
SV57	5900	0
SV59	77	0
SV60	190	6.7
SV61	2200	0
SV62	520	0
SV63	410	0
SV64	8.1	0
SV65	470	0
SV66	630	0
SV67	16	0
SV69	3.2	28
SV71	3500	39
SV73	0	0
SV74	160	0
SV75	77	8.6
SV76	0	0
SV77	6	26
SV78	0	18
SV79	0	0

Median Concentration ($\mu g/m^3$)	460	0

Correlation coefficient r =	0.06

Table 5
Total Trihalomethane Data

Site Number and Location	Sample Date	Chloroform (µg/L)	Bromodichloromethane (µg/L)	Total THM (µg/L)
Site 0490 52nd St/Thomas	7/27/2010	100	33	142
	11/2/2010	45	14	89
	2/1/2011	46	9.9	84
	4/26/2011	40	21	68
Site 0470 5401 E. Lafayette Blvd.	7/27/2010	105	33	146
	11/2/2010	40	27	82
	2/1/2011	42	26	78
	4/26/2011	46	22	75
Site 0510 41St/Washington	7/27/2010	85	24	115
	11/2/2010	34	26	74
	2/1/2011	30	21	58
	4/26/2011	41	21	69
median		43.5	23	

Data source: July 18, 2011 email from the City of Phoenix Water Services Department to Freescale Semiconductor

Air Photo Base from Google Earth

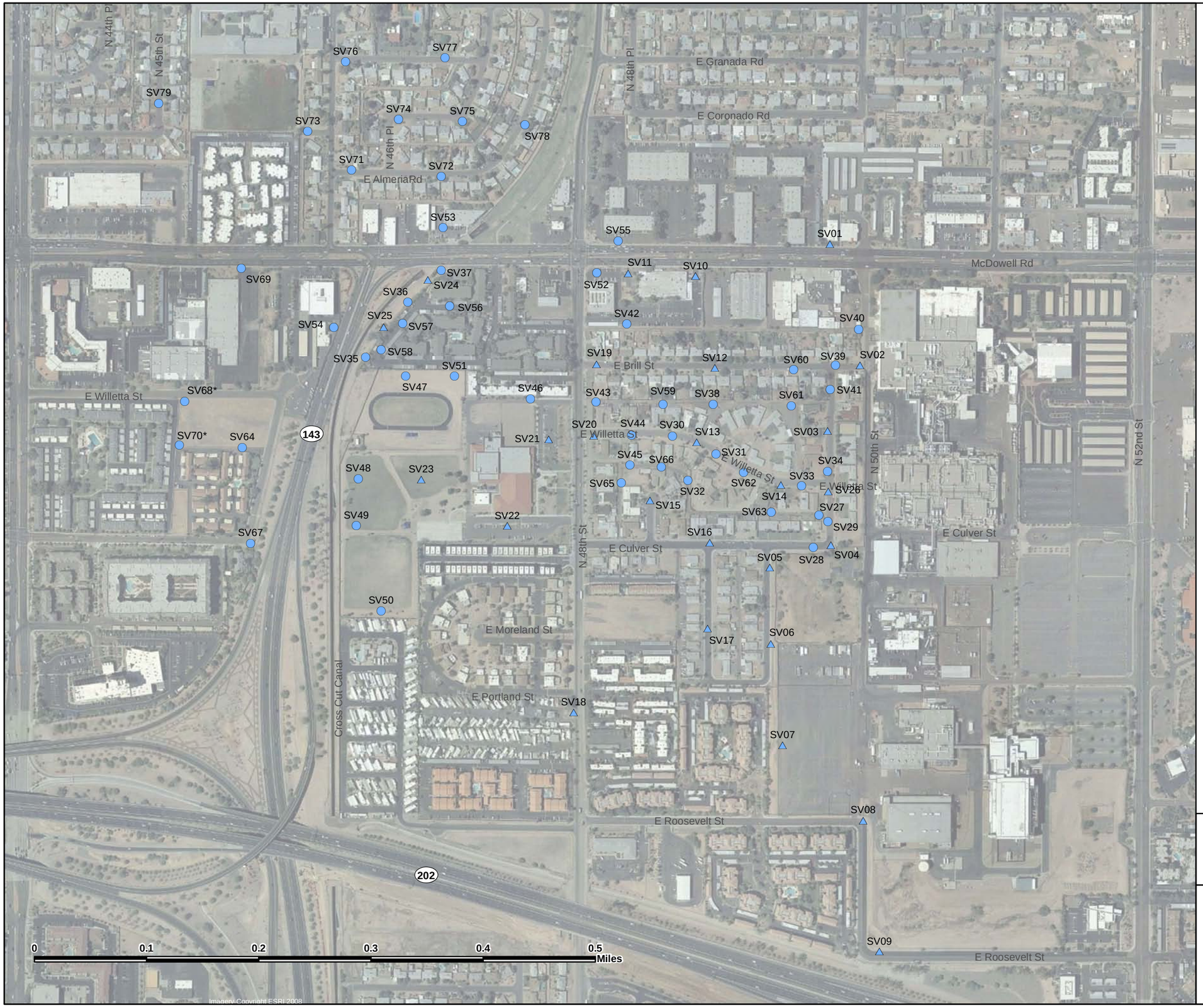
Approximate Scale

0 1,000 ft

N

Figure 1
Study Area Location

CLEAR CREEK ASSOCIATES



SV40 Site ID

Primary Sample Locations

Step-out Sample Locations

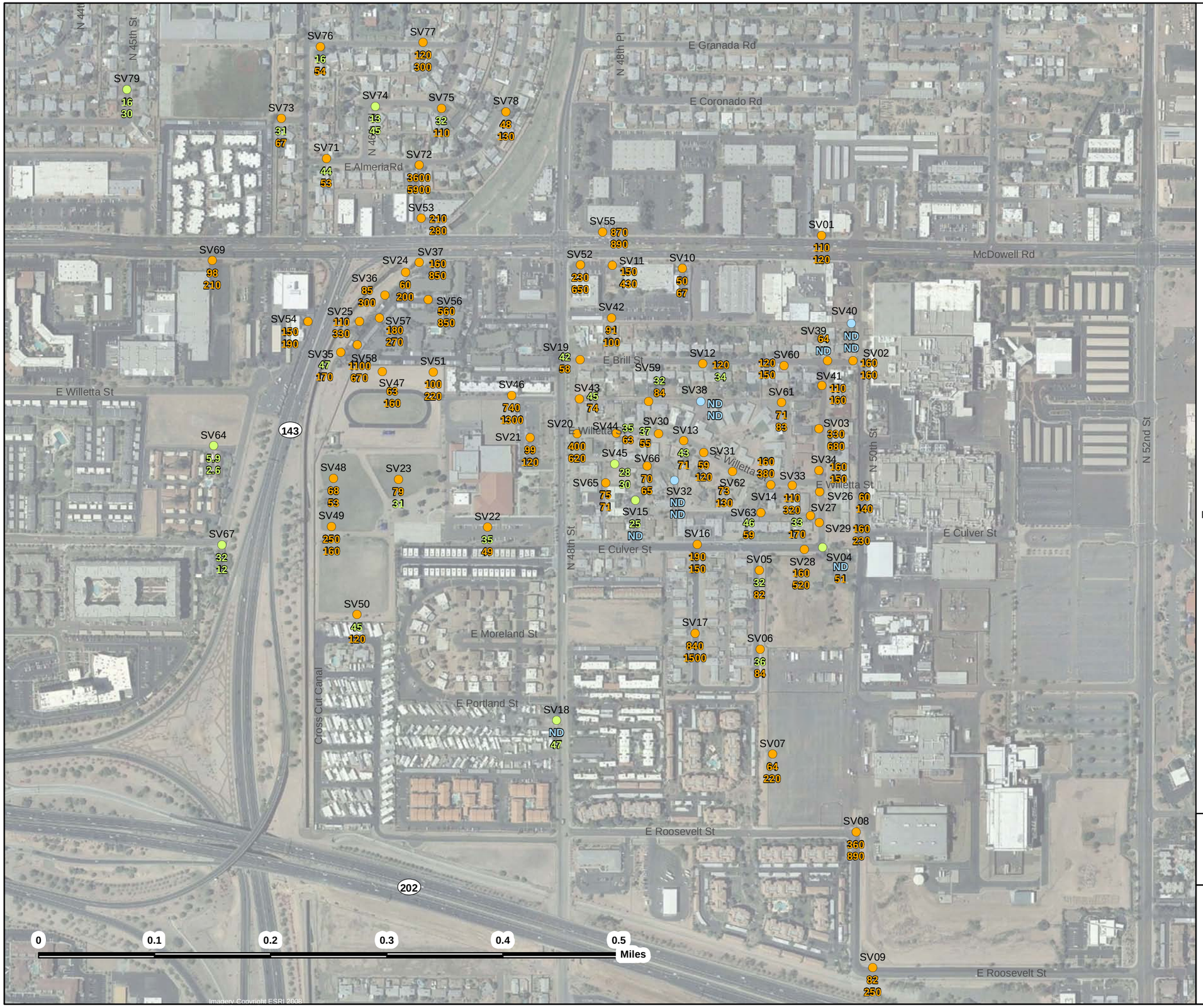
Note:

* Locations SV68 and SV70 were not sampled

CLEAR CREEK ASSOCIATES

Figure 2

OU1 Soil Gas Sample Locations



Color Designation Based on Maximum Detection for Each Location Posted

- Chloroform Not Detected
- Chloroform Detected Below Residential SGHHSL
- Chloroform Detected at or Above Residential SGHHSL

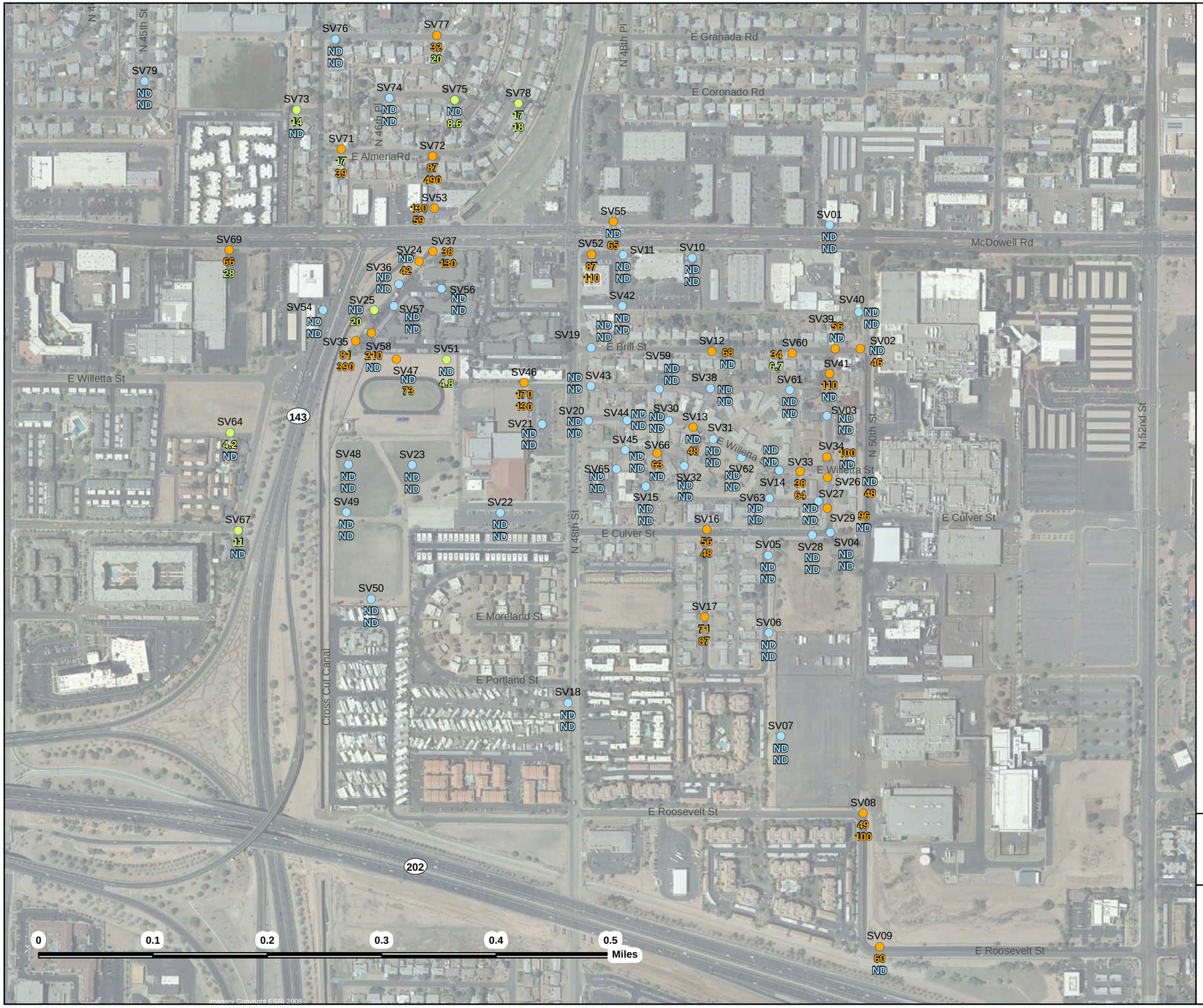
SV13 Site ID
Sample Location
43 Chloroform Concentration at 5 foot Interval Below Ground Surface
71 Chloroform Concentration at 15 foot Interval Below Ground Surface

Notes:
1) Sample location symbol color is determind by highest analytical result reported in either 5 foot or 15 foot sample
2) Validated results shown with numeric value and color coded number
3) ND = Not Detected
4) $\mu g/m^3$ = micrograms per cubic meter
5) SGHHSL = Soil Gas Human Health Screening Level
6) Residential Chloroform SGHHSL = 48 $\mu g/m^3$, Commercial Chloroform SGHHSL = 440 $\mu g/m^3$
7) SV68 and SV70 locations are not shown; these were contingent locations that will not be sampled

CLEAR CREEK ASSOCIATES

Figure 3

OU1 Chloroform Soil Vapor Results ($\mu g/m^3$)
5 Foot and 15 Foot Intervals
Below Ground Surface



Color Designation Based on Maximum Detection for Each Location Posted

- Bromodichloromethane Not Detected
- Bromodichloromethane Detected Below Residential SGHHSL
- Bromodichloromethane Detected at or Above Residential SGHHSL

SV16 Site ID
Sample Location

56 Bromodichloromethane Concentration at 5 foot Interval Below Ground Surface

48 Bromodichloromethane Concentration at 15 foot Interval Below Ground Surface

Notes:

1) Sample location symbol color is determind by highest analytical result reported in either 5 foot or 15 foot sample
2) Validated results shown with numeric value and color coded number
3) ND = Not Detected
4) $\mu g/m^3$ = micrograms per cubic meter
5) SGHHSL = Soil Gas Human Health Screening Level
6) Residential Bromodichloromethane SGHHSL = 29 $\mu g/m^3$, Commercial Bromodichloromethane SGHHSL = 280 $\mu g/m^3$
7) SV68 and SV70 locations are not shown; these were contingent locations that will not be sampled

CLEAR CREEK ASSOCIATES

Figure 4

OU1 Bromodichloromethane
Soil Vapor Results (ug/m^3)
5 Foot and 15 Foot Intervals
Below Ground Surface

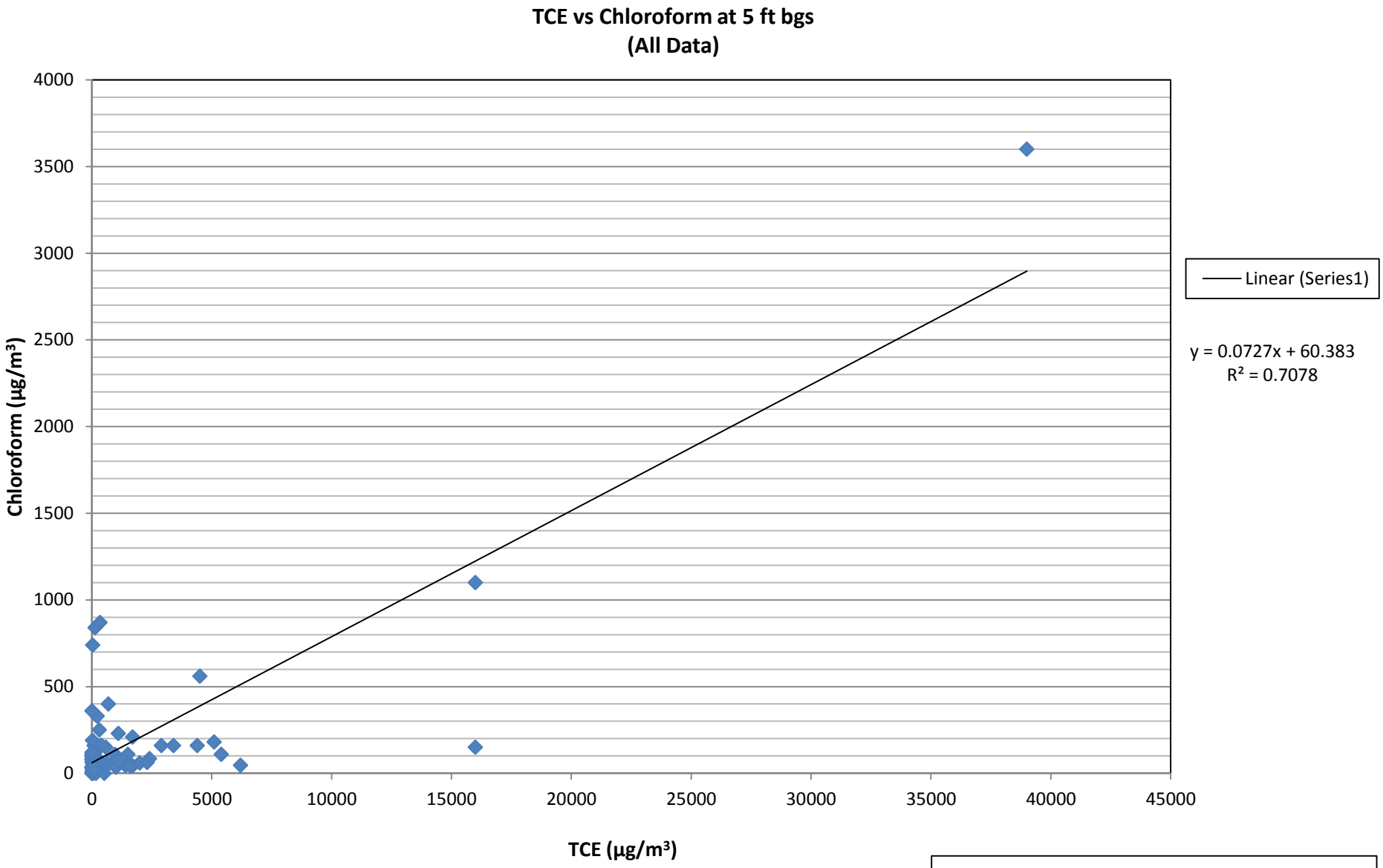


Figure 5

TCE vs. Chloroform at 5 feet bgs: All Data
Revised Final Technical Memorandum
June 4, 2012

CLEAR CREEK ASSOCIATES

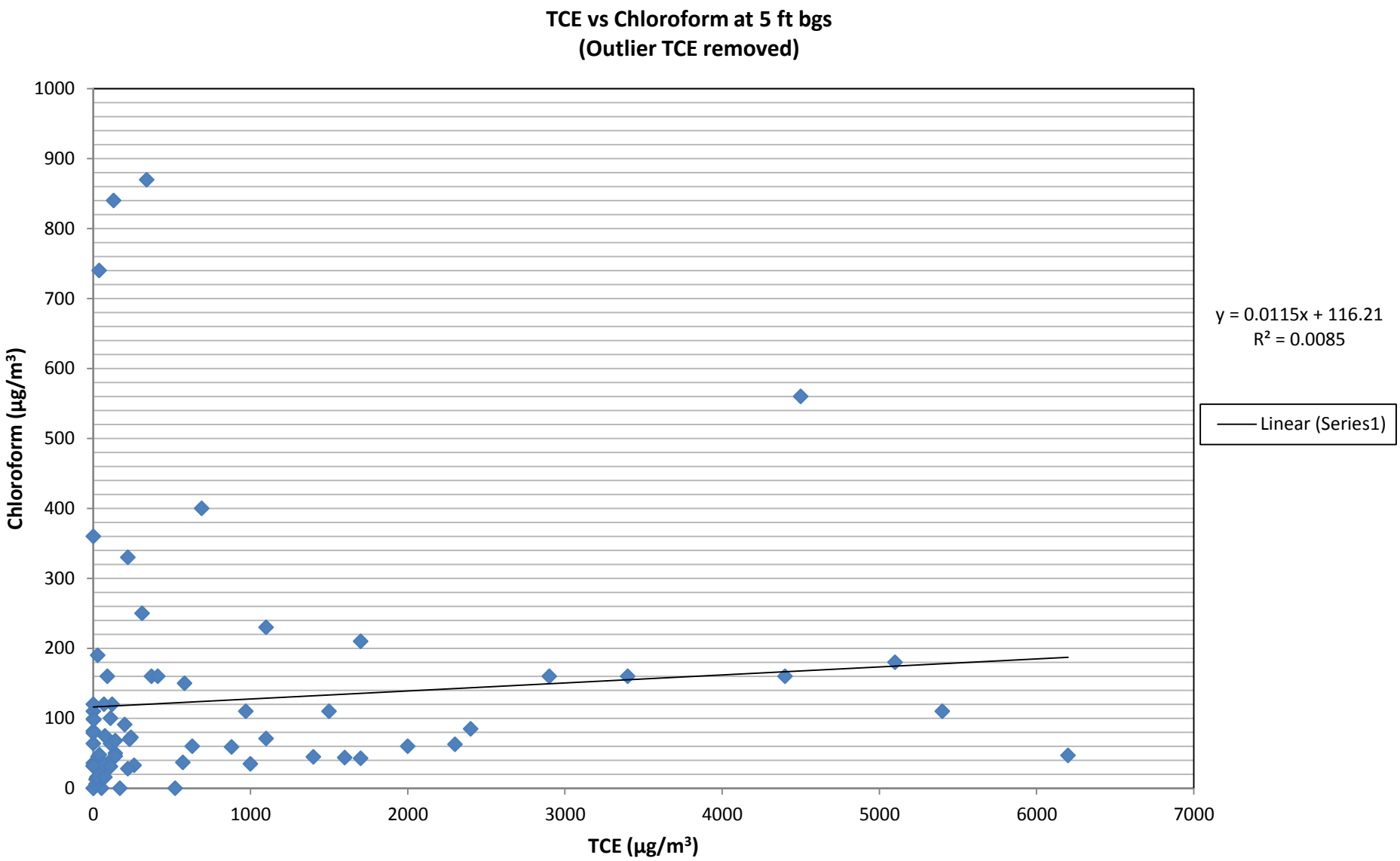


Figure 6

TCE vs. Chloroform at 5 feet bgs: Outlier TCE Removed
Revised Final Technical Memorandum
June 4, 2012

CLEAR CREEK ASSOCIATES

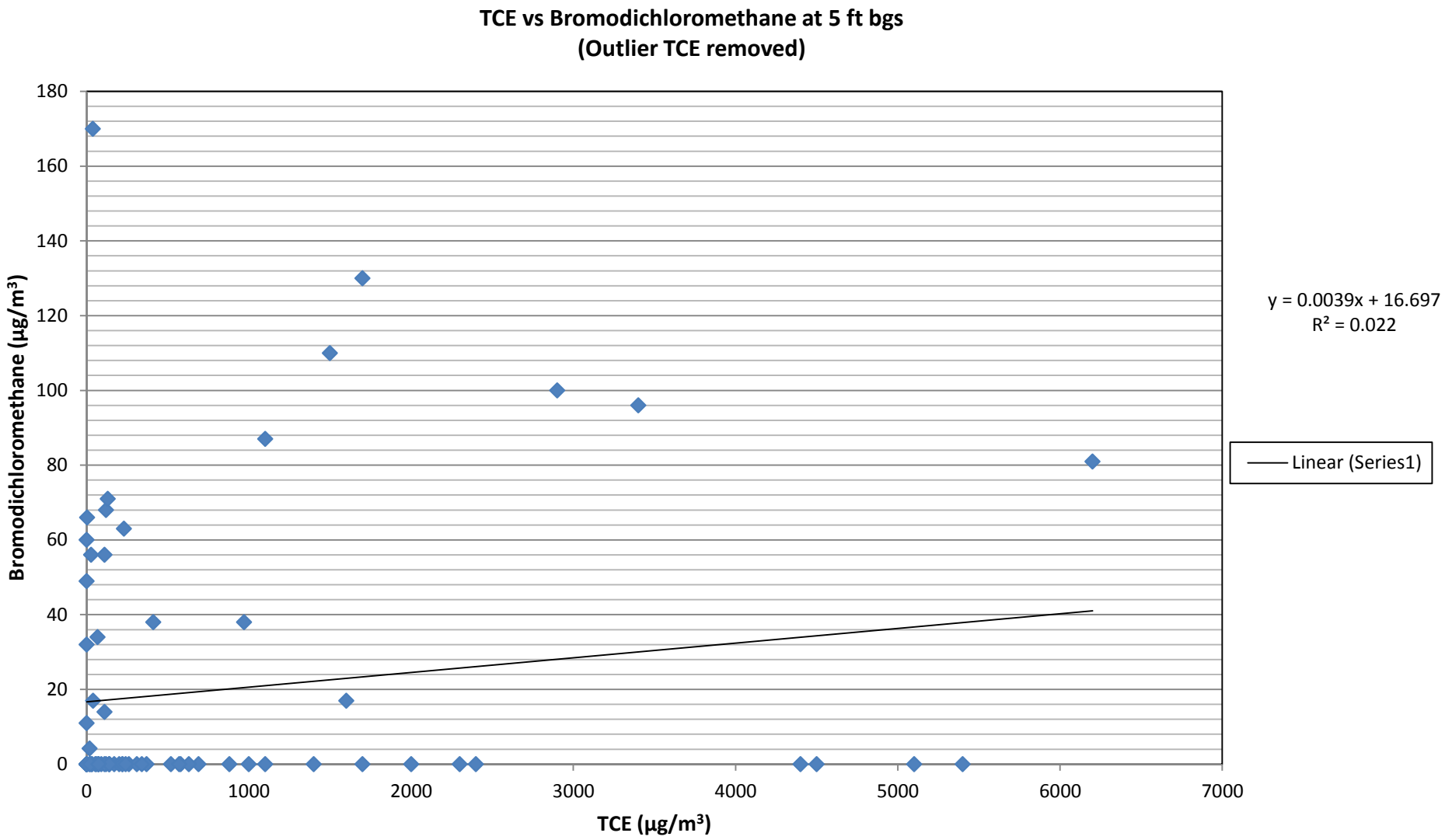


Figure 7

TCE vs. Bromodichloromethane at 5 feet bgs: Outlier TCE Removed
Revised Final Technical Memorandum
June 4, 2012

CLEAR CREEK ASSOCIATES

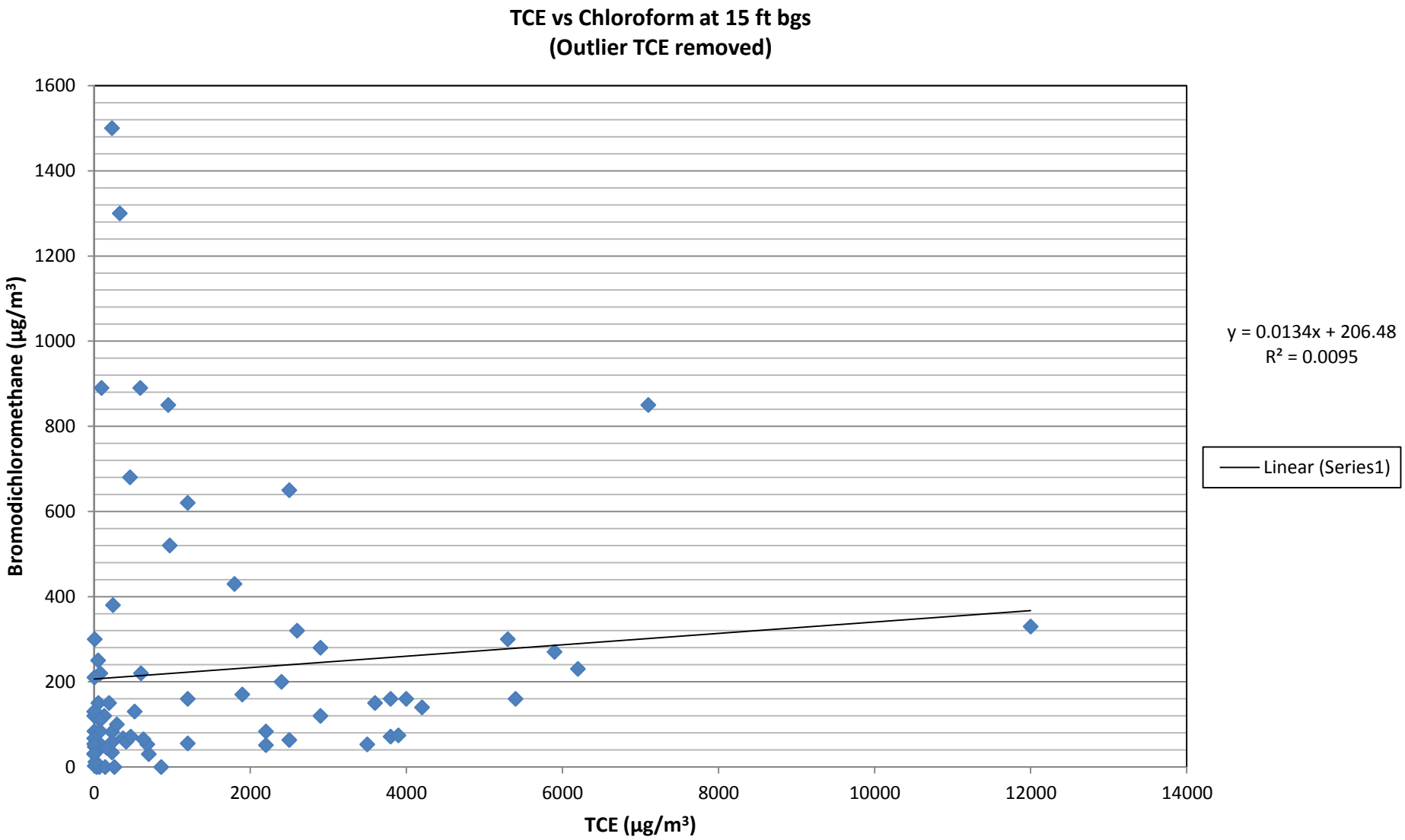


Figure 8

TCE vs. Chloroform at 15 feet bgs: Outlier TCE Removed
Revised Final Technical Memorandum
June 4, 2012

CLEAR CREEK ASSOCIATES

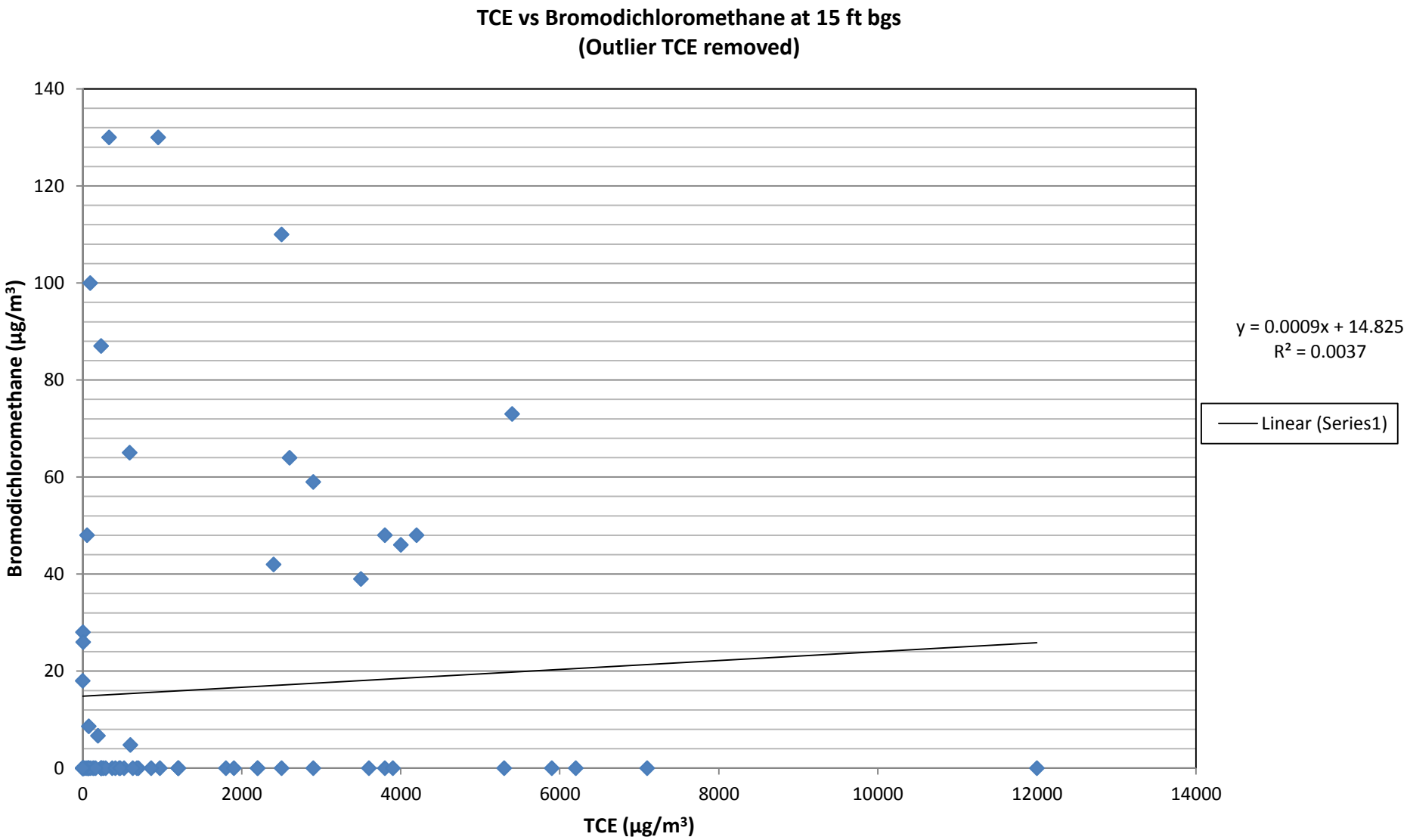


Figure 9

TCE vs. Bromodichloromethane at 15 feet bgs: Outlier TCE Removed
Revised Final Technical Memorandum
June 4, 2012

CLEAR CREEK ASSOCIATES