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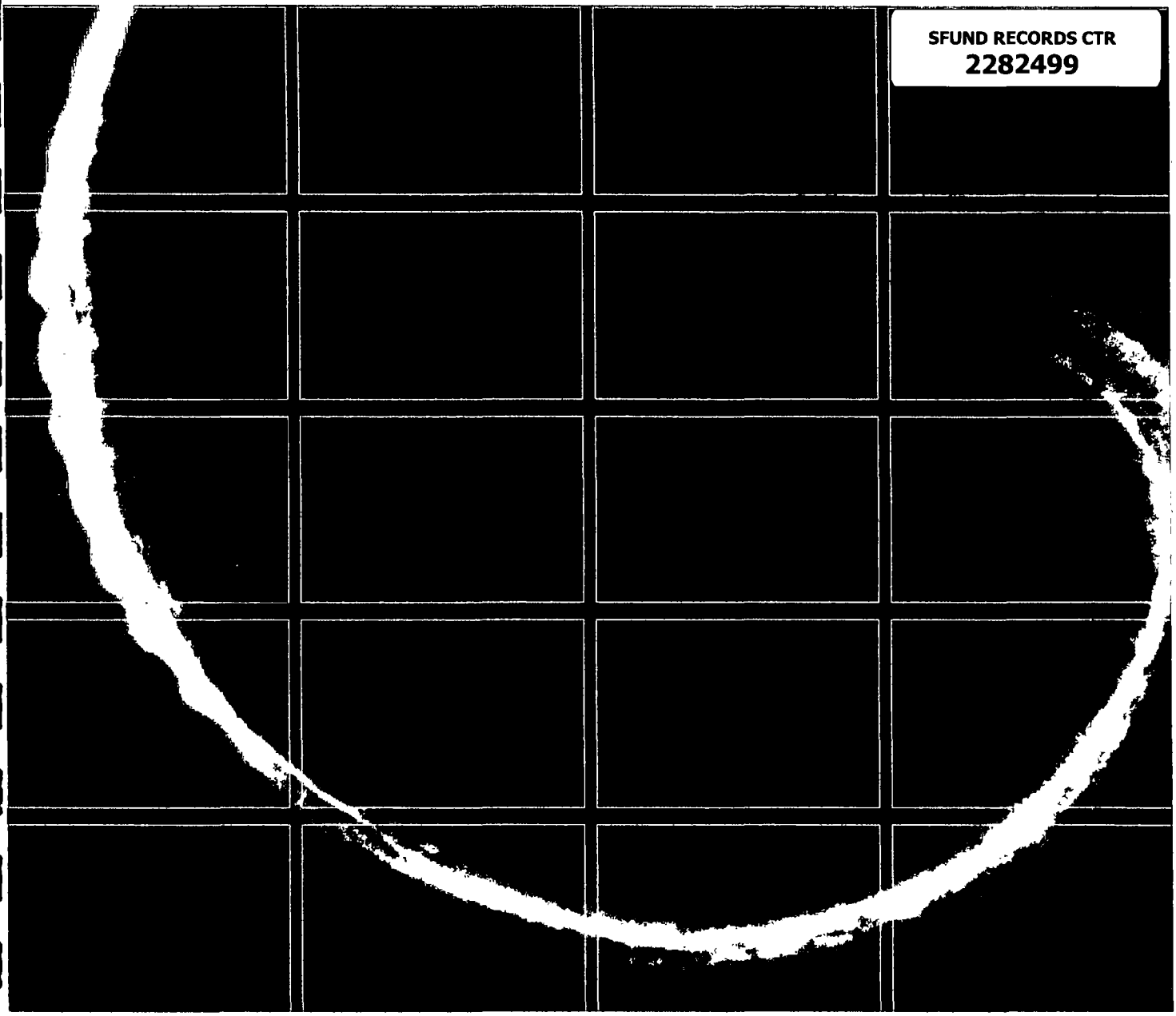

Draft Groundwater Monitoring Report – March 2012

52nd Street Superfund Site Operable Unit 3
Phoenix, Arizona

July 2012

Prepared for:
Motorola 52nd Street
Superfund Site
Operable Unit 3
Working Group

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Superfund Site Operable Unit 3
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Project No. 96498

David Abranovic, P.E.
Project Manager

Jason Hilker, R.G.
Project Geologist

Robert Livermore
Partner-in-Charge

Environmental Resources Management
7272 East Indian School Road, Suite 100
Scottsdale, Arizona 85251
T: 480-998-2401
F: 480-998-2106

www.erm.com

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	microgram(s) per liter
1,1-DCE	1,1-Dichloroethene
ADEQ	Arizona Department of Environmental Quality
AOC	Administrative Order on Consent
AWQS	Aquifer Water Quality Standard
cis-1,2-DCE	cis-1,2-dichloroethene
CRA	Conestoga-Rovers & Associates
D	Deep
ERM	Environmental Resources Management
FS	Feasibility Study
LCSD	Laboratory control sample duplicate
L-SRG	Lower Salt River Gravels Sub-unit
M	First Intermediate
M2	Second Intermediate
MS	Matrix spike
MSD	Matrix spike duplicate
OU	Operable Unit
PARCC	Precision, accuracy, representativeness, comparability, and completeness
PCE	Tetrachloroethene
PE	Performance evaluation
QAPP	Quality Assurance Project Plan
QC	Quality control
RI	Remedial Investigation
RPD	Relative percent difference
S	Shallow
SOW	Statement of Work
TCE	Trichloroethene
US EPA	United States Environmental Protection Agency
U-SRG	Upper Salt River Gravels Sub-unit
VOC	Volatile organic compound

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1.0 INTRODUCTION

This groundwater monitoring report presents the results of the March 2012 semiannual groundwater monitoring event at the Motorola 52nd Street Superfund Site, Operable Unit (OU) 3, in Phoenix, Arizona (Site).

1.1 MOTOROLA 52ND STREET SUPERFUND SITE HISTORY

The Motorola 52nd Street Superfund Site covers approximately 7,800 acres and consists of three adjoining groundwater OUs described as follows:

- OU1 is the easternmost OU and contains the former Motorola 52nd Street semiconductor plant. The boundaries of OU1 are 52nd Street to the east, Palm Lane to the north, Roosevelt Street to the south, and 44th Street to the west.
- OU2 lies west of OU1 and contains the OU2 Groundwater Extraction System and several OU2 potentially responsible party facilities, including the Honeywell International, Inc. (Honeywell) 34th Street facility. The approximate boundaries of OU2 are Roosevelt Street to the north, 44th Street to the east, Buckeye Road to the south, and 18th Street to the west. The OU2 Groundwater Extraction System is located along 20th Street.
- OU3 lies west of OU2. The boundaries of OU3 are McDowell Road to the north, 20th Street to the east, Buckeye Road to the south, and 7th Avenue to the west.

Figure 1 provides a location map of the OUs at the Site. The Arizona Department of Environmental Quality (ADEQ) is the lead regulatory agency for OU1 and OU2, and the United States Environmental Protection Agency (US EPA) is the lead regulatory agency for OU3.

On 4 October 1989, the US EPA placed the Motorola 52nd Street Superfund Site on the National Priorities List. Motorola (now Freescale Semiconductor, Inc. [Freescale]) investigated their facility and, in 1992, fully implemented the OU1 groundwater extraction and treatment plant under ADEQ oversight. In 1991, investigation activities in OU2, under ADEQ oversight, resulted in the selection of an interim remedy utilizing a groundwater extraction and treatment system to contain a groundwater plume of chlorinated solvents (at approximately 20th Street). Freescale and Honeywell International, Inc. (Honeywell) (the Companies) constructed and initially operated the OU2 treatment system under US EPA oversight. The Companies negotiated an Administrative Order on Consent (AOC)

with ADEQ to continue to operate and maintain the system under ADEQ oversight.

In 1983, a groundwater sample collected from the Eastlake Park irrigation well located in OU3 near 16th Street and Jefferson Street contained chlorinated volatile organic compounds (VOCs). The OU2 Remedial Investigation (RI) Report, completed by Motorola in 1992, indicated that the chemicals migrating from the Motorola facility extended into the East Washington Project Area, which prompted ADEQ and the US EPA to create the OU3 Study Area (now referred to as OU3) to address potential co-mingled VOC groundwater impacts between 20th Street and 7th Avenue.

1.2 *OU3 HYDROGEOLOGY*

OU3 groundwater is found primarily within the unconsolidated regional Upper Alluvial Aquifer. Groundwater within the alluvial aquifer flows toward the west and southwest (Shaw Environmental, Inc. [Shaw] 2009). Four hydrostratigraphic zones—Shallow (S), First Intermediate (M), Second Intermediate (M2), and Deep (D)—were originally designated in OU3 (US EPA 2009). Following agreement with ADEQ and the US EPA during a technical working group meeting in January 2011, the hydrostratigraphic nomenclature for OU3 was revised to be more consistent with OU1 and OU2 and the overall Motorola 52nd Street Superfund Site. The S, M, and M2 Zones correlate to the Salt River Gravels Sub-unit—further divided into Upper and Lower Salt River Gravels Sub-units (U-SRG and L-SRG, respectively)—and the D Zone correlates to the Basin Fill Sub-unit. Per a request from the US EPA, potentiometric surface and the trichloroethene (TCE) isoconcentration contour maps were developed for the U-SRG, L-SRG, and the Basin Fill Sub-units. Lithologic descriptions of these zones are provided in Table 1.

Table 1 ***OU3 Hydrostratigraphic Zones***

Aquifer Unit	Original Hydrostratigraphic Zone	Revised Hydrostratigraphic Zone	Description
Upper Alluvial Aquifer	Shallow Zone (S)	Upper Salt River Gravels Sub-unit	Coarse-grained Salt River Gravels, including minor amounts of interbedded and laterally discontinuous fine-grained deposits.
	First Intermediate Zone (M)	Lower Salt River Gravels Sub-unit	Coarse-grained deposits dominated by gravel similar to Salt River Gravels. Base of zone commonly includes a fine-grained layer.
	Second Intermediate Zone (M2)	Lower Salt River Gravels Sub-unit	Coarse-grained deposits dominated by gravel similar to Salt River Gravels.

Aquifer Unit	Original Hydrostratigraphic Zone	Revised Hydrostratigraphic Zone	Description
Middle Alluvial Aquifer	Deep Zone (D)	Basin Fill Sub-unit	Basin Fill deposits consisting of an upper fine-grained layer with an underlying interval of interbedded fines and sand.

1.3 *PREVIOUS SITE INVESTIGATIONS*

Three phases of groundwater investigation have been conducted in the area now known as OU3. Phases I and II were conducted by the US EPA pursuant to the Arizona Water Quality Assurance Revolving Fund program. The scopes of work for the Phase I and II field programs were presented in the following documents:

- *Final Groundwater Investigation Work Plan* (IT Corporation [IT] 2001).
- *Work Plan Supplement to the Final Groundwater Investigation Work Plan for Proposed Phase II Wells* (IT 2003).

Phase I included the construction of 15 groundwater monitoring wells between February and March 2002, and Phase II included construction of 13 groundwater monitoring wells between May and July 2003. Phase II also included the abandonment and replacement of three Phase I wells (OU3-5S, OU3-5M, and OU3-5D).

The OU3 Working Group—comprised of Honeywell and Arizona Public Service Company, a subsidiary of Pinnacle West—entered into an AOC with the US EPA on 23 September 2009 (US EPA 2009). The Statement of Work (SOW) for the OU3 Working Group was included as Appendix A of the AOC. Beginning in March 2010, the OU3 Working Group assumed responsibility for the OU3 groundwater monitoring program, in accordance with the AOC and SOW. The OU3 monitoring program consists of semiannual sampling events performed in conjunction with the Phase III OU3 RI and Feasibility Study (FS) (OU3 Working Group 2009).

The scope of the Phase III RI/FS field program was presented in the *Final OU3 Phase III Groundwater RI/FS Work Plan* (Work Plan) approved by the US EPA on 15 July 2010 (Environmental Resources Management [ERM] 2010). Phase III was initiated by the OU3 Working Group in 2010. Seven groundwater monitoring wells (OU3-16S, OU3-10S, OU3-17S, OU3-20S, OU3-16M, OU3-19M, and OU3-20M) were installed within the Salt River Gravels Sub-unit. Wells OU3-16S, OU3-10S, OU3-17S, and OU3-20S were installed in the U-SRG to provide data on the eastern, western, and southern extent of the plume. Wells OU3-16M, OU3-19M,

and OU3-20M were installed in the L-SRG to provide data on the southern and western edges of the plume and to better define the central and eastern core of the plume. Further information regarding the installation of these wells is included in the *Final Groundwater Monitoring Well Installation Report*, submitted in June 2011 (ERM 2011a).

In accordance with the SOW, four quarters of Phase III well sampling were conducted separately from OU3 semiannual monitoring of the Phase I and II wells. Monitoring results for the new wells were reported separately through submission of data reports and were not presented in the semiannual groundwater monitoring reports. However, analysis of the combined data sets will be conducted as part of the overall RI. In September 2011, the four quarters of monitoring for the new wells were completed, and these wells were incorporated into the OU3 semiannual monitoring program in March 2012.

Figure 2 provides locations for all wells included in the OU3 groundwater monitoring program. Table 2 provides the construction details for OU3 monitoring wells.

1.4 *PURPOSE AND SCOPE*

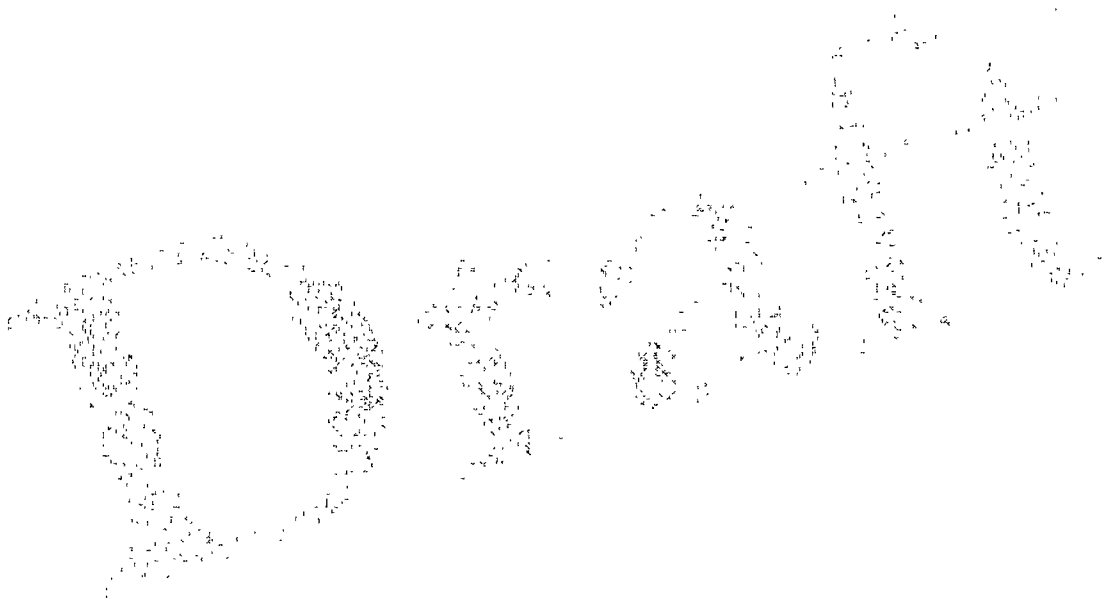
The purpose of this groundwater monitoring program is to evaluate VOC trends within OU3 groundwater. The groundwater monitoring program provides data to support the OU3 RI/FS. The OU3 groundwater monitoring program is coordinated with other investigations in the region and includes the following activities:

- Semiannual measurement of groundwater levels in wells included in the OU3 groundwater monitoring program;
- Semiannual collection of groundwater samples for laboratory analysis; and
- Evaluation of hydraulic and water quality data for OU3 groundwater.

Groundwater monitoring activities performed during the March 2012 event were conducted according to the methodology and procedures in the Work Plan and the *Technical Memorandum No.1 – Proposed changes to Appendix A- Statement of Work for OU3 Remedial Investigation/Feasibility Study Motorola 52nd Street Superfund Site, Operable Unit 3; Proposed Groundwater Monitoring Well OU3-17S and Updated Schedule* (ERM 2011b).

1.5 *REPORT ORGANIZATION*

Section 1.0 identifies the site background information and the purpose and scope of the groundwater monitoring program. Section 2.0 describes the groundwater monitoring program and the field and analytical methods incorporated into the program. Section 3.0 describes the March 2012 groundwater monitoring results. Section 4.0 contains the references cited within this report.



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2.0 GROUNDWATER MONITORING ACTIVITIES

The March 2012 semiannual groundwater monitoring event was conducted between 12 and 30 March 2012, with additional activities conducted on 10 April 2012. Table 2 (attached) provides a list of wells sampled during this event, as well as construction details for each well sampled.

The following sections briefly describe the procedures followed and protocols used by ERM during this groundwater monitoring event. The groundwater monitoring event followed the requirements set forth in the Work Plan to ensure that the data collected were of consistent quality. This semiannual monitoring event included the following activities:

- Groundwater level measurements;
- Groundwater purging and sampling;
- Sample analysis;
- Decontamination; and
- Investigation-derived waste management.

A summary of the methodology used to conduct each of these activities is provided in the following subsections. A more detailed description of the procedures and methodology used during this sampling event is provided in the Field Sampling Plan and Quality Assurance Project Plan (QAPP), included as Appendices A and B of the Work Plan (ERM 2010), respectively.

2.1 GROUNDWATER LEVEL MEASUREMENTS

Prior to groundwater sampling, static groundwater levels and well depths were measured in each monitoring well included in the OU3 groundwater monitoring program. On 11 and 12 March 2012, all water levels were measured to the nearest 0.01-foot utilizing an electric water level indicator capable of producing measurements accurate to within ± 0.01 foot. On 11 March 2012, water levels were collected from Westbay® monitoring well EW-13 using specialized Westbay® gauging and sampling equipment.

Groundwater elevation contour maps for the U-SRG, L-SRG, and Basin Fill Sub-unit (presented as Figures 3, 4, and 5, respectively) were generated using the measurements collected on 11 and 12 March 2012.

2.2 GROUNDWATER PURGING AND SAMPLE COLLECTION

The groundwater monitoring wells were purged using an electric submersible pump or a disposable bailer. At the start of purging, and at intervals during purging, field parameters—including pH, temperature, conductivity, dissolved oxygen, and oxidation-reduction potential—were measured. The field parameters were measured between 12 and 30 March 2012 and on 10 April 2012 using a Horiba U-52 multi-meter attached to a flow-through cell. Field parameters and qualitative observations—including odor, clarity, and/or color—were recorded on groundwater sampling field data collection forms provided in Appendix A.

Purging was considered complete after a minimum of three saturated well volumes were removed and after the following field parameters had stabilized for three consecutive readings:

- pH within ± 0.1 unit;
- Temperature within ± 1.0 degree; and
- Conductivity within 10 percent.

After the purge was completed, the groundwater samples were collected from the pump outlets or with a disposable bailer. A sample label containing a unique identification number was attached to each sample container and the sample was recorded on a chain-of-custody form. Samples analyzed for VOCs were collected in 40-milliliter vials pre-preserved with hydrochloric acid. Samples analyzed for 1,4-dioxane were collected in 1-liter amber glass bottles. All sample containers were provided by TestAmerica, Inc., an Arizona-certified laboratory (Arizona Department of Health Services [ADHS] # AZ0728). Samples were immediately placed in a cooler containing ice. A trip blank prepared by the laboratory was also placed in the cooler.

ERM field personnel were responsible for ensuring the proper preservation, packaging, labeling, documentation, storage, handling, and transportation of groundwater samples collected during the March 2012 sampling event. Groundwater samples were hand-delivered daily to TestAmerica, Inc.'s Phoenix, Arizona facility, under standard chain-of-custody procedures. All samples were received by TestAmerica, Inc., in accordance with the requirements of Section 3.3.3 of the QAPP (ERM 2010).

2.3 *SAMPLE ANALYSIS*

All groundwater samples collected during the March 2012 event were analyzed by TestAmerica, Inc., using the following methods:

- VOCs by US EPA Test Method 8260B; and
- 1,4-Dioxane by US EPA Test Method 8270C.

The complete analytical results for the March 2012 sampling event are provided in Appendix B.

2.4 *DECONTAMINATION*

Purging and sampling equipment were decontaminated before use at each groundwater monitoring well in accordance with Appendix A, Section 5.11.3 of the Work Plan (ERM 2010). Submersible pumps were utilized for purging and sample collection, except as described in Section 2.6.

Submersible pumps and galvanized steel drop-pipe or flexible tubing were decontaminated using the following procedures:

- The exterior of the pump or other non-dedicated equipment was placed on a piece of Visqueen film and then washed with a power washer. The Visqueen was folded so that it had edges to contain the decontamination water. The water contained within the folded Visqueen was then poured into the portable holding tank for later discharge to the City of Phoenix sanitary sewer.
- The exterior of the pump was washed with Alconox solution. Alconox solution was also sprayed into the pump until extruded from the intake port. Any piping or tubing used, such as a reel pump, had Alconox solution sprayed on both the exterior and interior of the piping/tubing.
- The equipment exterior was then washed with a power washer. Piping was washed both inside and out by circulating water though the tubing, via the discharge manifold, so that at least 5 gallons of tap water flowed through the tubing and were extruded from the pump.
- The submersible pump was then submerged in a container filled with distilled water and operated until approximately 5 gallons had been circulated through and extruded from the pump.

Field monitoring instrumentation and water level meters were decontaminated before use at each well. Each was decontaminated by spraying the surfaces with Alconox solution, rinsing with distilled water, and air-drying.

2.5 *INVESTIGATION-DERIVED WASTE MANAGEMENT*

Purge and decontamination water was contained in a portable tank and the water was discharged directly to the sanitary sewer under the permits issued by the City of Phoenix on 7 March 2012 and 4 April 2012 (Appendix C). Miscellaneous waste—such as used personal protective equipment, disposable sampling equipment, polyethylene sheeting, and general trash—was disposed of as municipal solid waste.

2.6 *DEVIATIONS FROM THE WORK PLAN*

Deviations from the procedures in the Work Plan included the following:

- OU3-2M and OU3-20S were resampled on 10 April 2012 due to an insufficient amount of sample submitted for matrix spike (MS)/matrix spike duplicate (MSD) analysis at the laboratory; and
- EW-19S was purged and sampled with a 2-inch stainless steel bailer rather than a submersible pump due to rust and grime build-up on the interior well casing.

All other procedures in the Work Plan were followed during the March 2012 groundwater monitoring event.

3.0 MARCH 2012 GROUNDWATER MONITORING RESULTS

During the March 2012 semiannual groundwater monitoring event, groundwater levels were measured in 48 monitoring wells and groundwater samples were collected from 43 monitoring wells and the 4 ports of Westbay® multi-port well EW-13. Monitoring well IN-MW-1 was gauged, but not sampled due to insufficient water in the well. Monitoring well EW-22S was also gauged and sampled during the March 2012 event; it is also sampled annually in September as part of the OU2 groundwater monitoring program. The data from EW-22S was used to close the ½-mile spatial data gap that exists between groundwater monitoring wells EW-20 and NW-4S within the U-SRG (see Figures 3 and 6). Of the monitoring wells and ports that were sampled, 17 were screened in the U-SRG, 19 were screened in the L-SRG, and 11 were screened in the Basin Fill Sub-unit.

This OU3 March 2012 semiannual groundwater monitoring report also contains non-OU3 groundwater analytical data transmitted to ERM by Conestoga-Rovers & Associates (CRA) (CRA 2012) and CH2M HILL (CH2M HILL 2012).

3.1 GROUNDWATER LEVEL MEASUREMENT SUMMARY

Groundwater elevations measured in the OU3 monitoring wells during this monitoring event are provided in Table 3 (attached). Figures 3, 4, and 5 present the March 2012 groundwater elevation contours for the U-SRG, L-SRG, and the Basin Fill Sub-unit wells, respectively. Groundwater elevation data from the wells that were not sampled as part of the OU3 monitoring program (i.e., non-OU3 program wells) were used in the interpretations presented in these figures.

Groundwater elevation data for wells OU3-13D and EW-22D were not used for the Basin Fill Sub-unit potentiometric map. Data from well OU3-13D have historically been anomalous (Shaw 2010) and therefore difficult to integrate into the site-wide potentiometric interpretation. The water level measurement from well EW-22D was not used because it is screened from 407 to 427 feet below ground surface, which is over 120 feet below the other OU3 Basin Fill Sub-unit monitoring wells (Shaw 2010). This area is also hydrologically complex due to the OU2 groundwater extraction system and nearby bedrock ridge.

The groundwater elevations increased relative to September 2011 data in 37 of 48 OU3 groundwater monitoring wells gauged during the March 2012 monitoring event, with an average increase of 1.46 feet.

The water level decreased relative to September 2011 data in 11 of 48 OU3 groundwater monitoring wells gauged during the March 2012 monitoring, with an average decrease of 0.31 feet. Overall, groundwater elevations were 1.32 feet higher in March 2012 than in September 2011.

Table 4 provides groundwater levels by hydrostratigraphic zone. Table D-1 in Appendix D contains a tabulation of historical water levels in the OU3 groundwater monitoring wells.

Table 4 *Groundwater Level Summary*

Hydrostratigraphic Zone	Range of Depth-to-Groundwater (ft bgs, min/max)	Range of Groundwater Elevations (ft amsl, min/max)	Maximum Groundwater Change* (ft)
Upper Salt River Gravels Sub-unit	82.97 (BE-MW-8)/ 94.88 (EWOU3-10S-R)	986.74 (EWOU3-10S-R) / 1,011.52 (OU3-20S)	4.19 (OU3-10S)
Lower Salt River Gravels Sub-unit	85.45 (OU3-11M2)/ 94.77 (OU3-10M)	987.48 (OU3-10M) / 1,011.31 (OU3-20M)	4.27 (OU3-10M2)
Basin Fill Sub-unit	77.90 (EW-19D)/ 87.73 (OU3-13D)	992.91 (OU3-8D) / 1,016.64 (OU3-14D)	3.71 (OU3-8D)

Notes: ft = feet; bgs = below ground surface; amsl = above mean sea level; min = minimum; max = maximum;
* = Since previous semiannual groundwater monitoring event

The estimated groundwater gradients west of 16th Street are presented in Table 5, along with the wells used to determine the gradient. These gradients were based on groundwater elevations from this gauging event and calculated using the 3-point method. It should be noted that the groundwater gradients were not calculated for the area east of 16th Street due to the depression of the potentiometric surface caused by the operation of the OU2 groundwater extraction system.

Table 5 *Estimated Groundwater Gradients*

Hydrostratigraphic Zone	Gradient	Wells Used To Calculate Gradient
Upper Salt River Gravels Sub-unit	0.0019 ft/ft west-southwest	OU3-10S, OU3-4S, and SC-MW-1D
Lower Salt River Gravels Sub-unit	0.0019 ft/ft west -southwest	OU3-10M, OU3-14M, and OU3-12M
Basin Fill Sub-unit	0.0025 ft/ft west-southwest	OU3-8D, OU3-6D, and OU3-14D

Notes: ft = feet

3.2 *ANALYTICAL RESULTS SUMMARY*

A total of 52 samples were collected from 47 wells during the March 2012 groundwater monitoring event. A summary of analytes detected is provided in Table 6. Figures 6, 7, and 8 present TCE data for the U-SRG, L-SRG, and Basin Fill Sub-unit wells, respectively. TCE concentration data from several wells sampled as part of the OU2 monitoring program were also used in these figures. The TCE data from select non-OU3 program wells were used to illustrate TCE distribution along the OU2/OU3 boundary. The non-OU3 program wells that were used to develop Figures 3 through 8 are listed in Table 7.

The following analytes were detected above their respective Arizona Aquifer Water Quality Standards (AWQS) during the March 2012 groundwater monitoring event:

- TCE was detected above the AWQS of 5 micrograms per liter (µg/L) in samples from 18 wells (EWOU3-10S-R, EW-19S, EW-20, EW-22S, OU3-2M, OU3-5M2, OU3-5MR, OU3-5SR, OU3-8S, OU3-8M2, OU3-10M, OU3-10M2, OU3-10S , OU3-13M, OU3-16S, OU3-16M, O3-17S, and OU3-19M). Concentrations ranged from 6.4 (OU3-10S) to 100 µg/L (OU3-16M). During the September 2011 monitoring event, 13 wells exceeded the AWQS (ERM 2012). The average exceedance was approximately 3.1 µg/L higher in March 2012 than in September 2011.
- Tetrachloroethene (PCE) was detected above the AWQS of 5 µg/L in 1well (BE-MW-8), at a concentration of 6.2 µg/L. During the September 2011 monitoring event, the PCE concentration in well BE-MW-8 was 5.2 µg/L (ERM 2012).
- 1,1-Dichloroethene (1,1-DCE) was detected above the AWQS of 7 µg/L in samples from 4 wells (OU3-5M2, OU3-10M2, OU3-16M, and OU3-19M), at concentrations ranging from 7.5 (OU3-19M) to 12 µg/L (OU3-16M). During the September 2011 monitoring event, 1,1-DCE concentrations in wells OU3-5M2 and OU3-10M2 exceeded the AWQS, at concentrations of 7.9 and 9.4 µg/L, respectively (ERM 2012).
- None of the OU3 wells exceeded the AWQS of 70 µg/L for cis-1-2-dichloroethene (cis-1,2-DCE).

The compound 1,4-dioxane was detected in 14 of the 48 wells sampled during the March 2012 groundwater monitoring event. The majority of the 1,4-dioxane results were near or below the laboratory's practical quantitation limit of 1.0 µg/L, and no 1,4-dioxane concentration exceeded 3.5 µg/L. The highest concentration, 3.3 µg/L, was measured in well

OU3-10M2. Regulatory standards have not been promulgated for1,4-dioxane, although the US EPA has listed the compound as a probable human carcinogen and has a Drinking Water Advisory Level of 3.0 µg/L. ADEQ has not promulgated a 1,4-dioxane groundwater standard.

Appendix E provides time-concentration graphs for TCE, PCE, 1,1-DCE, and cis-1,2-DCE versus groundwater elevation for all OU3 program monitoring wells. The available historical data from the non-OU3 (Shaw 2010; CRA 2012) and OU3 (Shaw 2010) program wells were used to construct the graphs.

The time-concentration graphs indicate that concentrations of TCE, PCE, 1,1-DCE, and cis-1,2-DCE have decreased site-wide since the OU3 groundwater monitoring program began in June 2002. Over this timeframe, 16 monitoring wells have shown decreases in TCE of one order of magnitude or more. These wells include EW-19S, EWOU3-10S-R, EW-20, EW-21, EW-22S, OU3-1M, OU3-2M, OU3-6M, OU3-10M, OU3-10M2, OU3-12M, OU3-12D, OU3-13M, OU3-13D, OU3-14M, and OU3-14D. Wells EWOU3-10S-R, OU3-10M, and OU3-10M2 are located near the southern boundary of the plume, near Washington Street and 1st Street. The other wells are located within the southern, central, and northern portions of the plume, between 5th Street and 16th Street (see Figures 6, 7, and 8).

3.3 *QUALITY ASSURANCE/QUALITY CONTROL RESULTS SUMMARY*

Field quality control (QC) samples were collected or prepared to evaluate if sampling practices affected analytical results. Field QC samples included field duplicates, trip blanks, and equipment rinsate samples. All samples received by TestAmerica, Inc. were between 0 and 5 degrees Celsius.

This report contains data that were not collected as part of the OU3 groundwater monitoring program and, therefore, were not included in the OU3 data validation process. Data not collected or validated as part of the OU3 monitoring program were obtained from CRA (CRA 2012).

The project data from the March 2012 OU3 semiannual groundwater monitoring event were validated in accordance with Section 4.1 of the QAPP for compliance with project quality assurance/QC requirements, and included an evaluation of field and laboratory QC sample analyses. Samples were analyzed for VOCs and 1,4-dioxane in accordance with the Work Plan.

3.3.1 *Field Quality Control*

The field QC samples associated with the March 2012 groundwater monitoring event included field duplicate samples, equipment rinsate blanks, field blanks, MS/MSDs, trip blanks, and a performance evaluation (PE) sample. Field duplicate samples were used to evaluate overall field sample precision and were collected at a frequency of 1 duplicate for every 20 samples, for a total of 4 duplicate samples. Field duplicate samples were evaluated by calculating the control limit between the sample and its duplicate.

Acceptable precision control limit criteria were established at a maximum relative percent difference (RPD) of ± 20 percent. Of the four field duplicate pairs collected, all had RPDs of ≤ 10 percent for all analytes. Thus, the overall analytical and sampling precision for this event was considered acceptable.

Ten equipment rinsate blanks and 10 trip blanks were collected during the groundwater monitoring event. These were analyzed for VOCs by US EPA Method 8260B. No trip blanks were found to contain detectable analytes. No analytes were detected in the eight equipment rinsate blanks other than trihalomethanes (chloroform, bromodichloromethane, and dibromochloromethane), typically found in disinfected water such as that used to make the equipment blank, indicating good data quality sufficient to meet data quality objectives.

Per the Work Plan, one PE sample was collected during the March 2012 groundwater monitoring event. This was coordinated with the US EPA to provide an external review of laboratory performance. The PE sample was obtained from the US EPA Quality Assurance Technical Support Laboratory, operated for the US EPA by Shaw. The PE sample contained certified concentrations of the target compounds that were anticipated to be identified at OU3. The PE sample was submitted to the laboratory double-blind; the sample was introduced as part of the daily sampling event in the field and was analyzed by the laboratory with a field-specific identity number of GW-Z1-1-032212. This process conformed to the requirements of the Work Plan.

3.3.2 *Laboratory Quality Control*

Data were evaluated in terms of precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters. The PARCC parameters were evaluated for the March 2012 groundwater data set as follows:

Precision: Precision was expressed as RPD between the results of replicate sample analyses: sample duplicates, laboratory control sample duplicates (LCSD), and the MSD. When analyte RPDs exceeded acceptance criteria, results were flagged, as appropriate.

For the March 2012 groundwater monitoring event, most LCSD and MSD results were reported within project control limits. If the LCSD or MSD sample results were reported outside of the project control limits, due to high or low surrogate recoveries, the data were flagged with either UJ or J. UJ indicates that the analyte was analyzed for but not detected; thus, the sample detection limit is an estimated value. J indicates that the reported result is an estimated value.

Accuracy: Accuracy was demonstrated by recovery of target analytes from spiked blank and sample matrices, laboratory control samples, and MS samples. For organic methods, accuracy was also demonstrated through recovery of surrogates from each field and QC sample. The recovery of target analytes from spiked samples was compared to prescriptive acceptance criteria. When these criteria were not met, the data were flagged, as appropriate.

For the March 2012 groundwater monitoring event, most of the laboratory control sample and MS sample results were reported within project control limits. The surrogate recoveries that were only marginally outside project control limits were flagged, but did not impact data usability.

Representativeness: Representativeness of the samples submitted for analysis was ensured by adhering to the standard sampling techniques documented in the Work Plan.

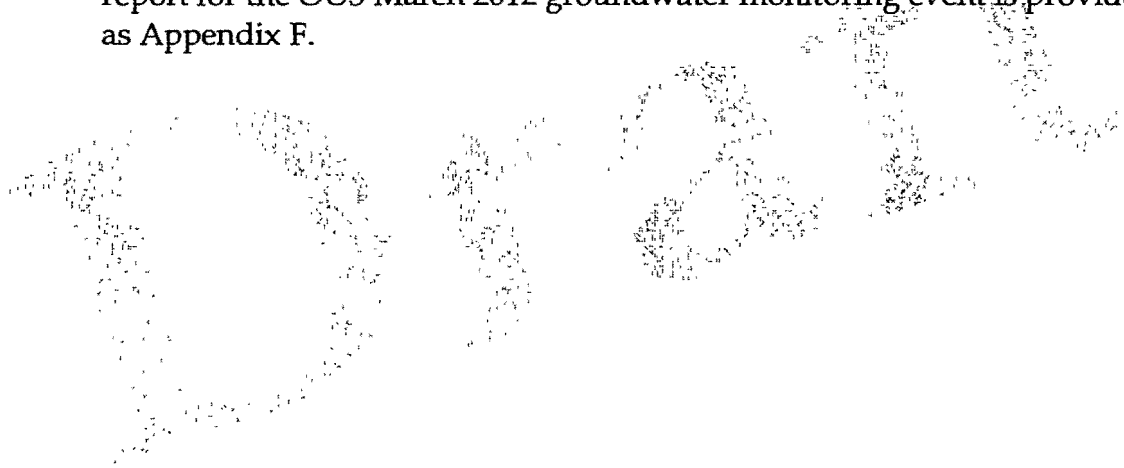
Comparability: Comparability of sample results was ensured using the approved sampling and analysis methods specified in the Work Plan.

Completeness: One of the samples, IN-MW-1, could not be collected because of a dry well, resulting in 98 percent field completeness for the sampling event. Based on results of data validation for the samples submitted for laboratory analysis, analytical completeness was approximately 99 percent. Analytical completeness was less than 100 percent due to qualification (i.e., addition of U and/or J flags) of some of the analytes for a small number of the samples. None of the flagged results were considered unusable; therefore, technical completeness was 100 percent.

In conclusion, the analytical results generally met the PARCC objectives. No data for the environmental samples were rejected and any data quality issues, as discussed above, were identified. Therefore, the results associated with the sampling event were of good quality and useable for the intended purpose.

3.4 *DATA VALIDATION*

A Tier 1 data validation was done on all laboratory data collected during the OU3 March 2012 groundwater monitoring event, and a Tier 3 data validation was done on 10 percent of the data, in accordance with the QAPP. Data validation was performed to evaluate the overall data quality and identify any non-conformances in field or laboratory activities. No samples collected during this monitoring event were flagged for 1,1-DCE, TCE, PCE, 1,1-DCA, and cis-1,2-DCE analyses. All laboratory and validation data qualifiers are summarized in Table 6. The validation determined that all project requirements and completeness were met, and all data collected during the March 2012 groundwater monitoring event are usable for decision-making purposes. A complete data validation report for the OU3 March 2012 groundwater monitoring event is provided as Appendix F.



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4.0 REFERENCES

Conestoga-Rovers & Associates Engineering, Inc. (CRA) 2012. *Data transmittals received from CRA on 5/10/12.*

CH2M HILL. 2012. *Data transmittal received from CH2M HILL on 6/14/12.*

Environmental Resources Management (ERM). 2010. *Final OU3 Phase III Groundwater Remedial Investigation and Feasibility Study Work Plan.* Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area, Phoenix, Arizona.

ERM. 2011a. *Final Groundwater Monitoring Well Installation Report.* Motorola 52nd Street Superfund Site, Operable Unit 3, Phoenix, Arizona.

ERM. 2011b. *Technical Memorandum No.1 – Proposed changes to Appendix A-Statement of Work for OU3 Remedial Investigation/Feasibility Study Motorola 52nd Street Superfund Site, Operable Unit 3; Proposed Groundwater Monitoring Well OU3-17S and Updated Schedule.*

ERM. 2012. *Draft Groundwater Monitoring Report – September 2011.* Motorola 52nd Street Superfund Site, Operable Unit 3, Phoenix, Arizona.

IT Corporation. 2001. *Final Groundwater Investigation Work Plan.* Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area, Phoenix, Arizona.

IT Corporation. 2003. *Work Plan Supplement to the Final Groundwater Investigation Work Plan for Proposed Phase II Wells.* Motorola 52nd Street Superfund Site Operable Unit 3 Study Area.

OU3 Working Group. 2009. *Appendix A, Statement of Work for OU3 Remedial Investigation/Feasibility Study, Motorola 52nd Street Superfund Site, Operable Unit 3.*

Shaw Environmental, Inc. 2009. *Final Groundwater Investigation Report. Phase I and II Well Installation, Motorola 52nd Street Superfund Site Operable Unit 3 Study Area, Phoenix, Arizona.*

Shaw Environmental, Inc. 2010. *Groundwater Monitoring Report for Motorola 52nd Street Superfund Site Operable Unit 3 Study Area Phoenix, Arizona, September 2009.* Document Control Number: ACE12-274-H.

United States Environmental Protection Agency. 2009. *Administrative Settlement Agreement and Order on Consent for Remedial Investigation and Feasibility Study.* EPA Region IX. Docket No. 2008-17.

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Figures

CAD File: G:\\0096498\01\009649801-46.dwg | Drawn By: R. Olson | Date: 02/14/12 | Project No. 0096498.01

LEGEND

- OU3 Boundary (solid line)
- OU1 and OU2 Boundary (dashed line)

References:
TOPOI® Software
U.S.G.S. 500k Map Series; Phoenix, Arizona
Aerial Photo Source: © 2009 Google
Earth Pro Ver 5.0.11733.9347

Figure 1
Site Location Map
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 02/12

Project No. 0096498.029
Date: 02/14/12
Drawn By: R. Olson
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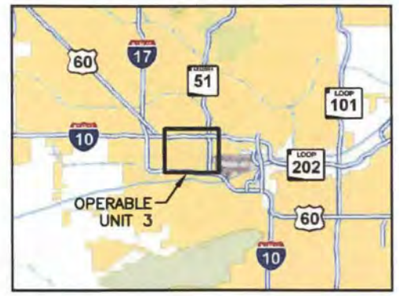

LEGEND

- Soil Vapor Monitoring Well
- OU2 Groundwater Extraction Well
- Abandoned Well

Salt River Gravels Sub-unit

- Upper Salt River Gravels (U-SRG) Groundwater Well
- Upper Salt River Gravels (U-SRG) Piezometer
- Lower Salt River Gravels (L-SRG) Groundwater Well

Basin Fill Sub-unit

- Groundwater Well
- Colluvium Zone Groundwater Well

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 2
Well Locations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona
ERM 02/12

Project No. 0096498.033
Date: 06/22/12
Drawn By: R. Olson
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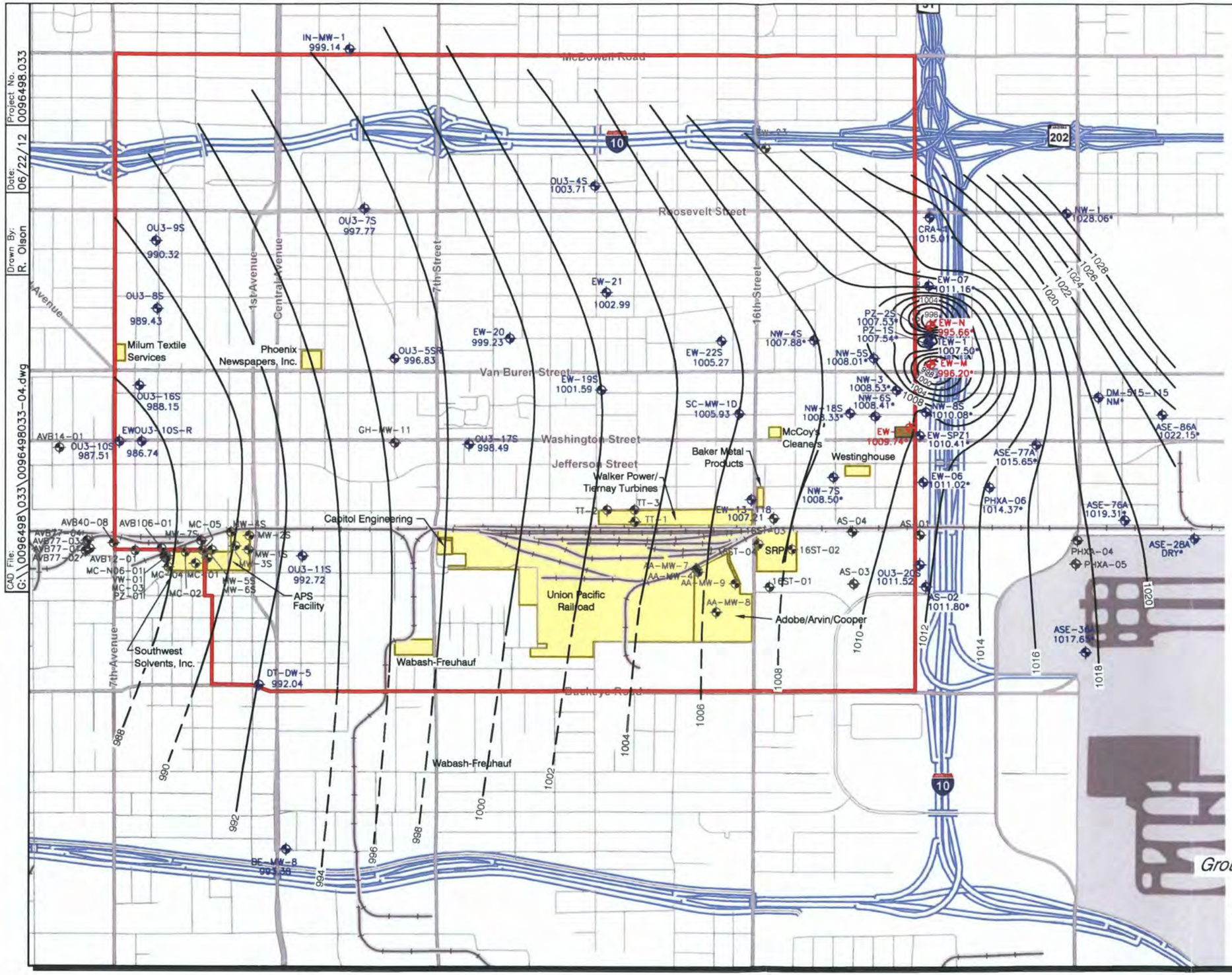

LEGEND

Salt River Gravels Sub-unit

- Upper Salt River Gravels (U-SRG) Groundwater Well
- Upper Salt River Gravels (U-SRG) Piezometer
- OU2 Groundwater Extraction Well
- Well Not Monitored by the OU3 Working Group
- 996 — Groundwater Elevation Contour (ft amsl); Dashed Where Inferred; Contour Interval = 2 feet
- 996.83 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, March 2012
- 1011.02* Groundwater Elevation (ft amsl) in CRA Monitoring Well, March 2012
- ** Not Used for Contouring
- NM Not Measured
- ft amsl Feet Above Mean Sea Level

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 3

Upper Salt River Gravels Sub-unit
Groundwater Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 06/12

Project No. 0096498.033
Date: 06/26/12
Drawn By: R. Olson
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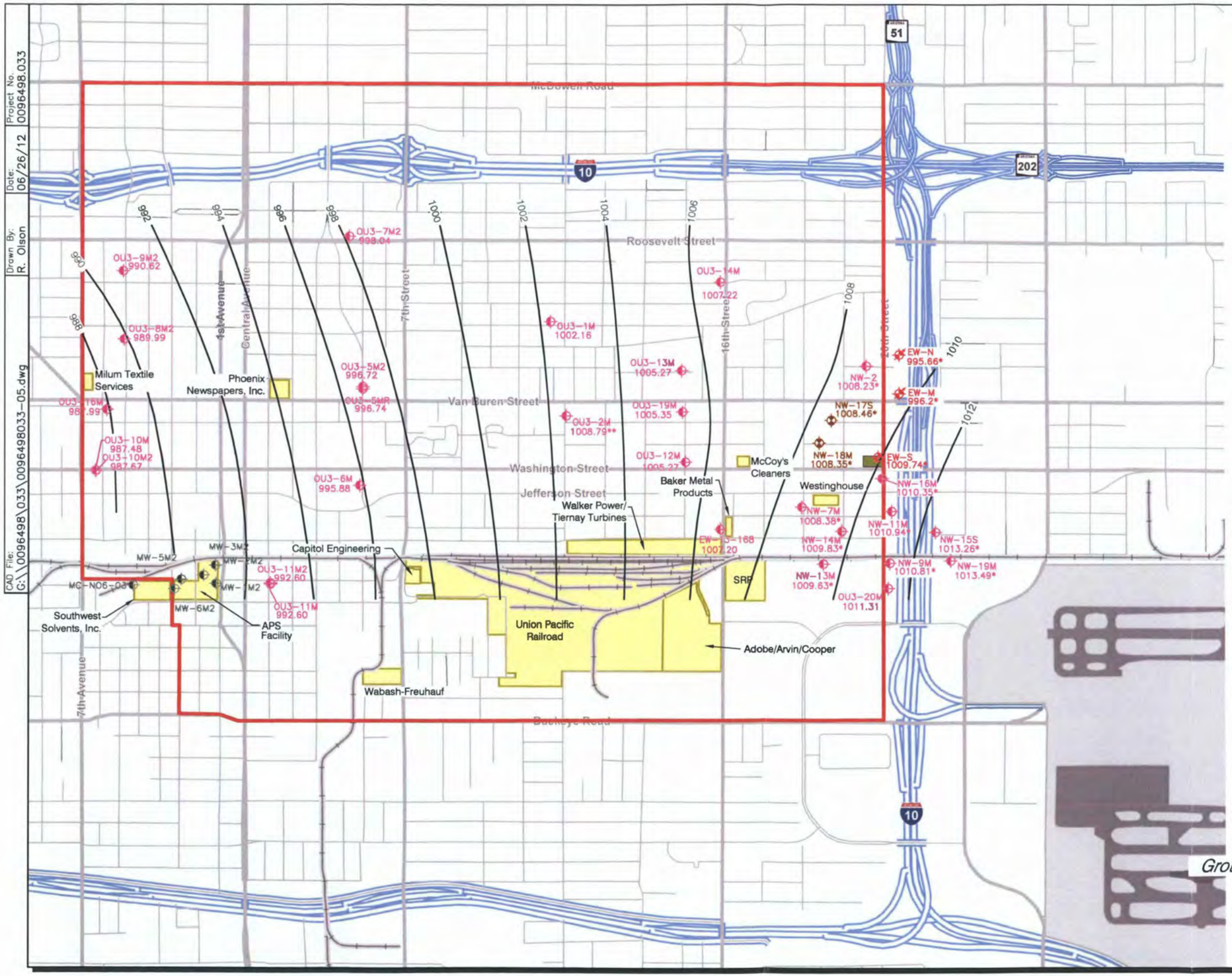

LEGEND

Lower Salt River Gravels Sub-unit

- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- OU2 Groundwater Extraction Well, Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- 996 — Groundwater Elevation Contour (ft amsl); Dashed Where Inferred; Contour Interval = 2 feet
- 996.74 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, March 2012
- 1010.81* Groundwater Elevation (ft amsl) in CRA Monitoring Well, March 2012
- NM Not Measured
- ** Not Used for Contouring
- ft amsl Feet Above Mean Sea Level

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 4
Lower Salt River Gravels Sub-unit
Groundwater Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 06/12

Project No. 0096498.033
Date: 06/26/12
Drawn By: R. Olson
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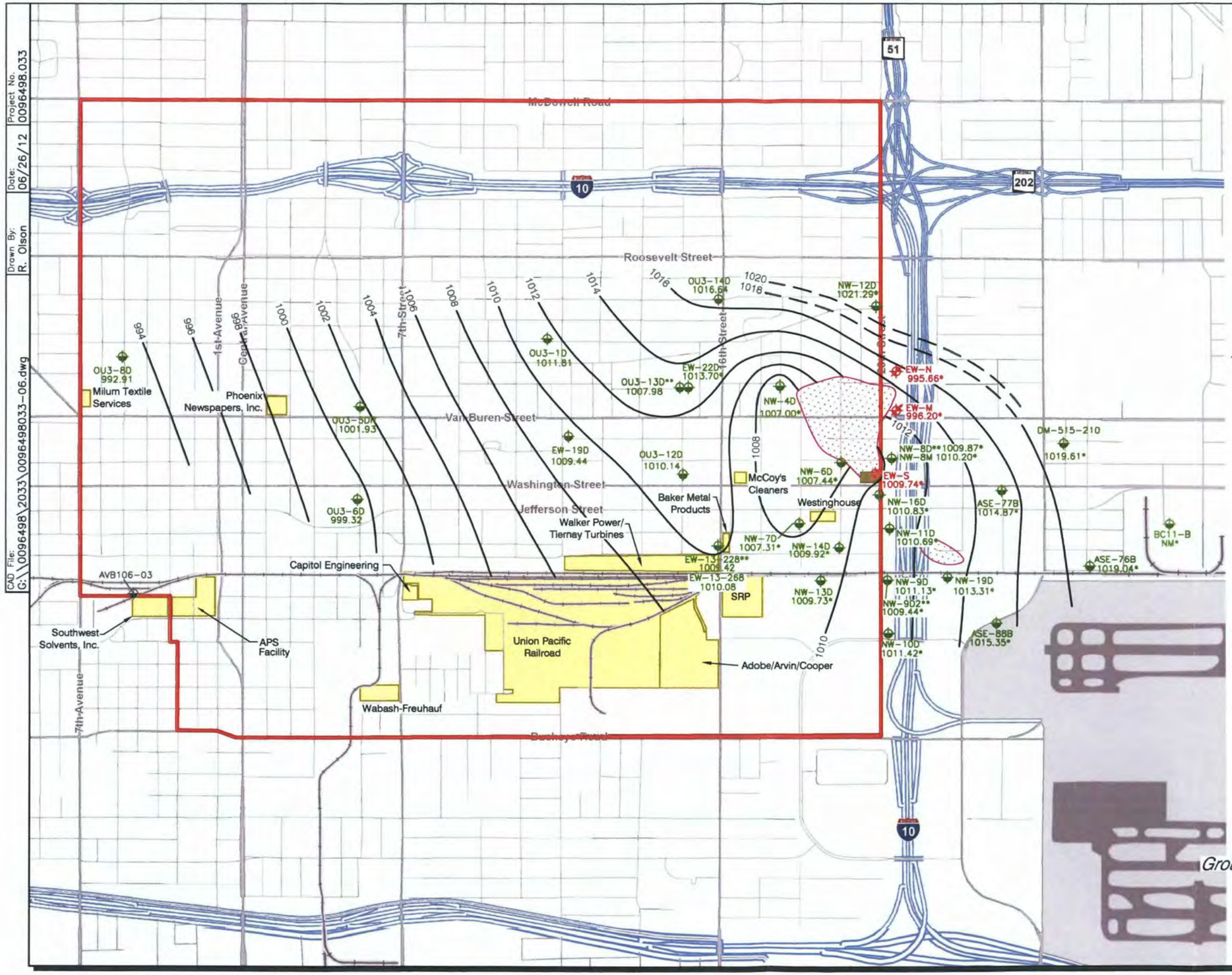

Figure 5
Basin Fill Sub-unit
Groundwater Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona
ERM 06/12

Project No. 0096498.033
Date: 06/22/12
Drawn By: R. Olson
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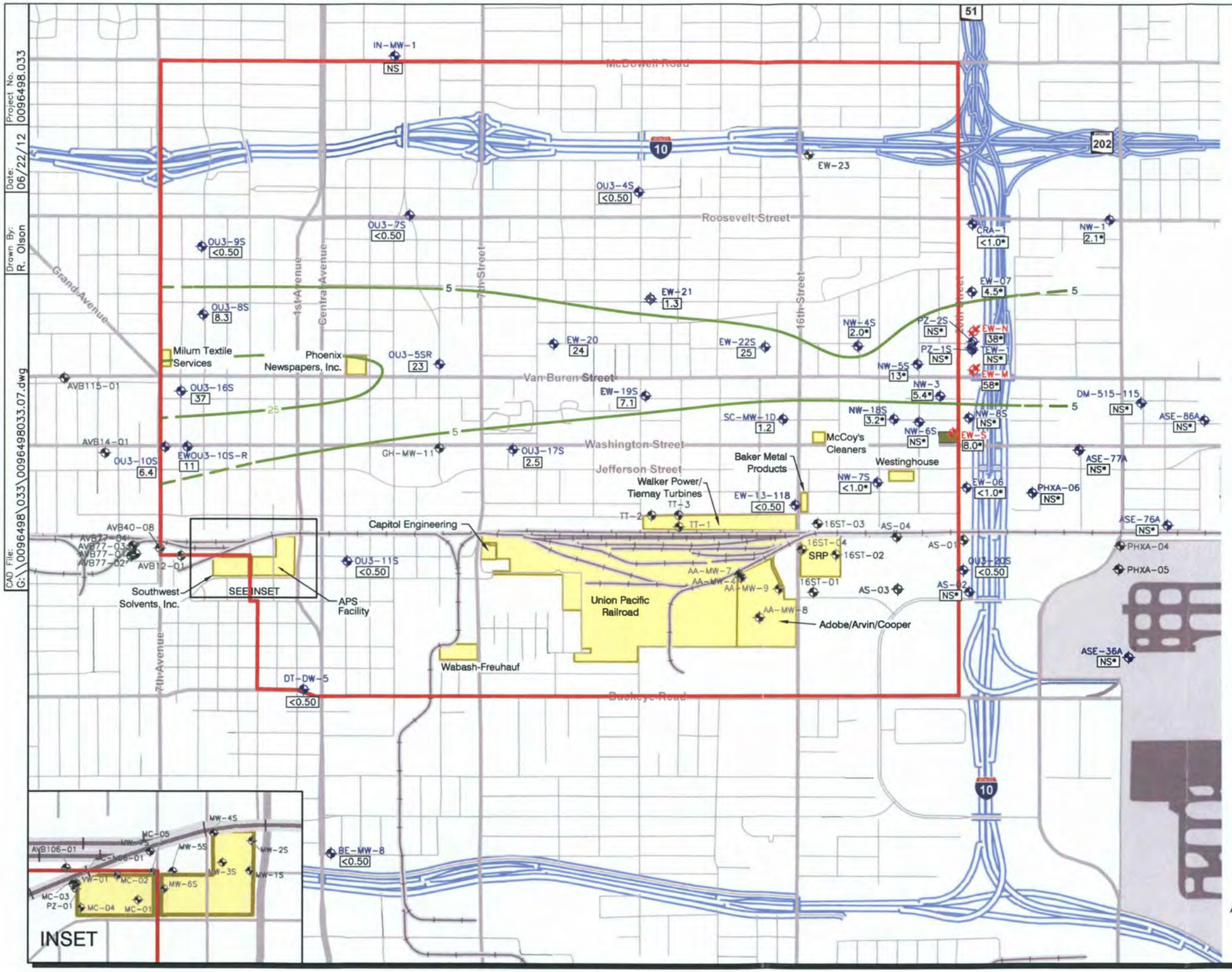

LEGEND:

Salt River Gravels Sub-unit

- Upper Salt River Gravels (U-SRG) Groundwater Well
- Upper Salt River Gravels (U-SRG) Piezometer
- OU2 Groundwater Extraction Well, Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- 5 — TCE Concentration Contour; Dashed Where Inferred
- 2.6 — TCE Concentration in OU3 Groundwater Monitoring Well, March 2012
- 1.6* — TCE Concentration in CRA Monitoring Well, March 2012

Notes:
All TCE concentrations in µg/L
TCE = Trichloroethene
µg/L = micrograms per liter
<0.5 = TCE not detected above the laboratory reporting limit.
NS = Not Sampled

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 6

Upper Salt River Gravels Sub-unit
TCE Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 06/12

Project No. 0096498.033
Date: 6/26/12
Drawn By: R. Olson
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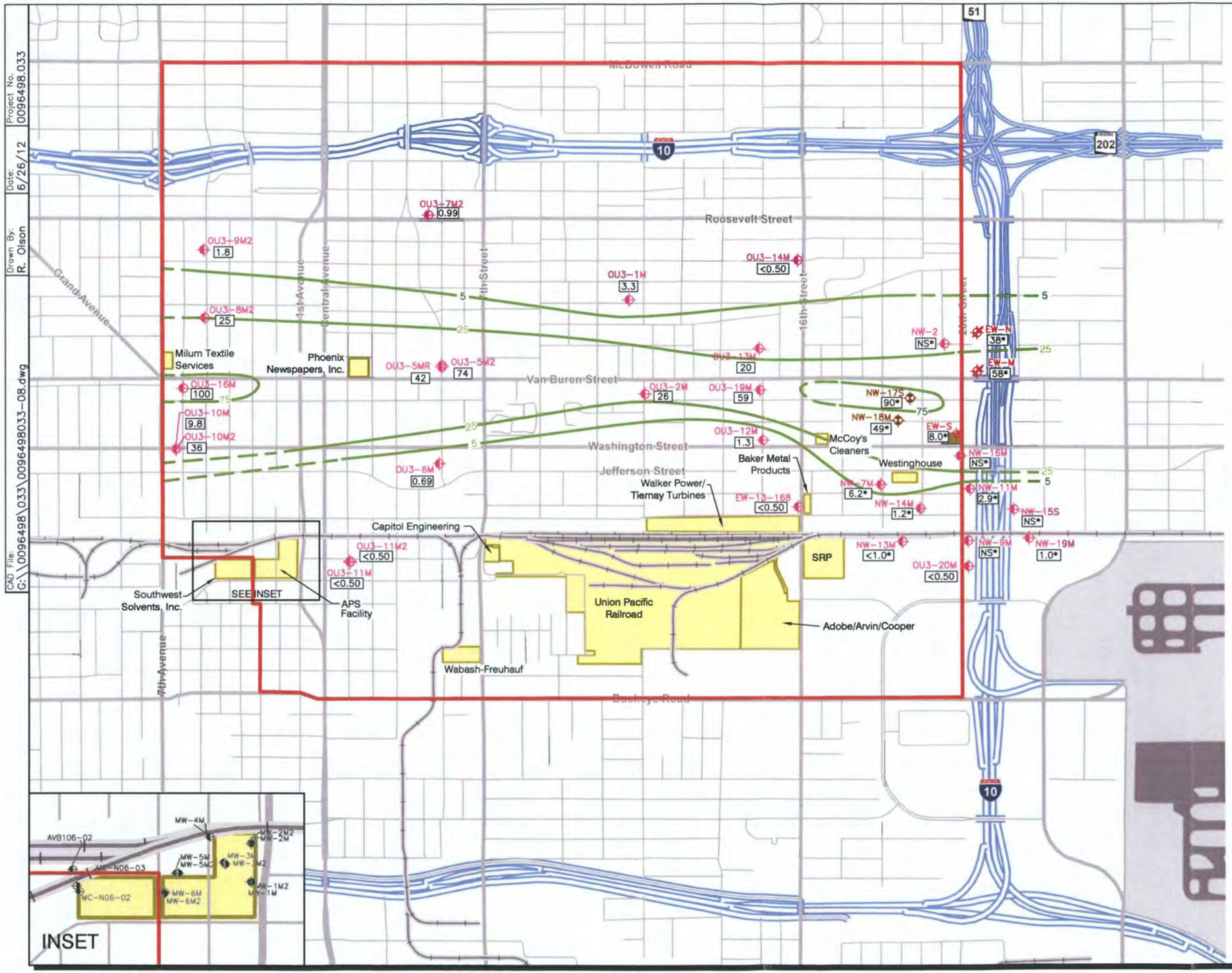

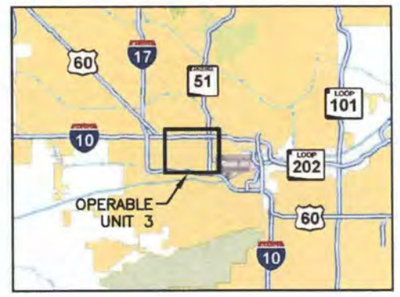

LEGEND

Lower Salt River Gravels Sub-unit

- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- OU2 Groundwater Extraction Well; Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- 5 — TCE Concentration Contour; Dashed Where Inferred
- 110 — TCE Concentration in OU3 Groundwater Monitoring Well, March 2012
- 1.9* — TCE Concentration in CRA Monitoring Well, March 2012

Notes:
All TCE concentrations in µg/L
TCE = Trichloroethene
µg/L = micrograms per liter
<0.5 = TCE not detected above the laboratory reporting limit
NS = Not Sampled

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 7
Lower Salt River Gravels Sub-unit
TCE Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 06/12

Project No. 0096498.033
Date: 06/26/12
Drawn By: R. Olson
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LEGEND

Basin Fill Sub-unit

- Monitoring Well
- OU2 Groundwater Extraction Well; Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- 5 — TCE Concentration Contour; Dashed Where Inferred
- <0.50 — TCE Concentration in OU3 Groundwater Monitoring Well, March 2012
- 2.1* — TCE Concentration in CRA Monitoring Well, March 2012
- Intersection of Basin Fill and Bedrock

Notes:
All TCE concentrations in µg/L
TCE = Trichloroethene
µg/L = micrograms per liter
<0.5 = TCE not detected above the laboratory reporting limit
NS = Not Sampled

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 8
Basin Fill Sub-unit
TCE Contour Map - March 2012
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 06/12

Tables

Table 2

Monitoring Well Construction Details
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1]	Latitude	Longitude	Top of Casing Elevation	Top of Screened Interval	Bottom of Screened Interval	Total Depth	Casing Diameter
Units				ft amsl	ft bgs	ft bgs	ft bgs	(inches)
BE-MW-8	U-SRG	33 4300	-112.0700	1076 35	75	105	105	4
DT-DW-5	U-SRG	33 4370	-112 0747	1077 90	59	99	99	2
EWOU3-10S-R	U-SRG	33 4480	-112.0809	1081 62	60	100	102	4
EW-13-118	U-SRG	33.4454	-112 0478	1092.71	114.5	119 5	309	4
EW-13-168	L-SRG	33.4454	-112 0478	1092.71	164 5	169 5	309	4
EW-13-228	BF	33.4454	-112 0478	1092 71	224 5	229 5	309	4
EW-13-268	BF	33.4454	-112.0478	1092.71	264 5	269 5	309	4
EW-19S	U-SRG	33 4504	-112 0561	1067 32	57	107	112	4
EW-19D	BF	33.4504	-112.0561	1087.34	247	267	270	4
EW-20	U-SRG	33.4528	-112 0561	1091.38	59	109	109	4
EW-21	U-SRG	33 4548	-112.0558	1094 24	58	108	108	4
EW-22S	U-SRG	33 4526	-112.0497	1095 81	58	108	112	4
GH-MW-11	U-SRG	33 4480	-112.0673	1083 30	50	100	100 9	4
IN-MW-1	U-SRG	33 4659	-112.0698	1088.38	70	90	90	4
SC-MW-1D	U-SRG	33 4487	-112.0482	1092 39	83	123	125	4
OU3-1M	L-SRG	33 4548	-112.0571	1093 30	140	160	162	4
OU3-1D	BF	33 4548	-112.0572	1093 09	235	255	259	4
OU3-2M	L-SRG	33 4506	-112.0563	1087 97	150	170	175	4
OU3-4S	U-SRG	33 4597	-112 0565	1094 74	59 2	110	110	4
OU3-5SR	U-SRG	33 4518	-112.0674	1087 28	69 7	119 7	120	4
OU3-5MR	L-SRG	33.4518	-112 0674	1087 37	148 7	168 7	169	4
OU3-5M2	L-SRG	33 4519	-112 0674	1087 24	202 7	222.7	253	4
OU3-5DR	BF	33 4517	-112 0674	1087 35	232.7	252 7	253	4
OU3-6M	L-SRG	33 4474	-112 0675	1083 66	152	172	172.5	4
OU3-6D	BF	33 4475	-112.0675	1083 77	230	250	261	4
OU3-7S	U-SRG	33 4586	-112 069	1085 29	60	110	112	4
OU3-7M2	L-SRG	33 4587	-112 0681	1085 59	195	215	221	4
OU3-8S	U-SRG	33.4541	-112 0802	1080 05	59 9	110 5	110 5	4
OU3-8M2	L-SRG	33.4540	-112 0802	1080 39	205 5	225 6	228	4
OU3-8D	BF	33.4540	-112 0802	1080 00	260 5	270	273	4
OU3-9S	U-SRG	33 4572	-112 0802	1080 55	59 6	110 2	110 5	4
OU3-9M2	L-SRG	33 4571	-112 0802	1080 74	219.7	229 7	235	4
OU3-10M	L-SRG	33.4480	-112 0817	1082 25	146 7	166.7	170	4
OU3-10M2	L-SRG	33 4480	-112 0817	1082 29	199.2	219 2	225	4
OU3-10S	U-SRG	33 4482	-112.0818	1081 90	125.2	75	125	4
OU3-11S	U-SRG	33 4428	-112 0723	1078.26	69 7	119 7	123	4
OU3-11M	L-SRG	33 4429	-112 0723	1078.25	153 7	173 7	178	4
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OU3-12D	BF	33 4487	-112 0498	1090.77	245 6	265 6	396	4
OU3-13M	L-SRG	33 4526	-112 0500	1095.75	154 7	174 7	175	4
OU3-13D	BF	33 4526	-112 0500	1095.71	224 7	244 7	250	4
OU3-14M	L-SRG	33 4566	-112.0479	1099.05	145 7	165 7	168	4
OU3-14D	BF	33 4566	-112 0478	1099 14	231 2	251.2	251 5	4
OU3-16S	U-SRG	33.4507	-112 0814	1082 19	125 2	75	125	4
OU3-16M	L-SRG	33.4506	-112 0814	1082 25	180 5	160	180	4
OU3-17S	U-SRG	33 4479	-112.0637	1082 22	120 2	70	120	4
OU3-19M	L-SRG	33.4507	-112 0498	1091 21	170 2	150	170	4
OU3-20S	U-SRG	33 4432	-112 0385	1100 20	115 2	65	115	4
OU3-20M	L-SRG	33 4432	-112 0385	1100 12	180 2	160	180	4

Notes:

amsl = above mean sea level
bgs = below ground surface
ft = feet
U-SRG = Upper Salt River Gravels Sub-unit
L-SRG = Lower Salt River Gravels Sub-unit
BF = Basin Fill Sub-unit

Well data information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental Inc (Shaw 2010)
Hydrostratigraphic zones are from the Sitewide Lithology Table revised 6 June 2011.
[1]Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of L-SRG and BF they are classified as L-SRG wells for mapping purposes

Table 3

March 2012 Groundwater Sampling Event
Groundwater Elevations Summary
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1]	Gauging Date	Top of Casing Elevation	Screened Interval	Depth-to-Water	Groundwater Elevation	Groundwater Elevation Change
Units			ft amsl	ft bgs	ft btoc	ft amsl	(From September 2011)
BE-MW-8	U-SRG	3/12/2012	1,076.35	75-105	82 97	993 38	2 51
DT-DW-5	U-SRG	3/12/2012	1,077.90	59-99	85 88	992 04	3 42
EW-13-11S	U-SRG	3/12/2012	1,092 71	114 5-119 5	85 50	1,007.21	0 02
EW-13-16S	L-SRG	3/12/2012	1,092 71	164 5-169 5	85 51	1,007 20	0 00
EW-13-22S	BF	3/12/2012	1,092 71	224 5-229.5	83 29	1,009 42	0 35
EW-13-26S	BF	3/12/2012	1,092 71	264 5-269 5	82 63	1,010 08	0 48
EW-19S	U-SRG	3/13/2012	1,087 32	57-107	85.73	1,001.59	0.14
EW-19D	BF	3/13/2012	1,087 34	247-267	77 90	1,009 44	1.73
EW-20	U-SRG	3/13/2012	1,091 38	59-109	92 15	999.23	0 32
EW-21	U-SRG	3/13/2012	1,094 24	58-108	91 25	1,002.99	0 15
EW-22S*	U-SRG	3/12/2012	1,095 81	58-108	90 54	1,005 27	0 00
EWOU3-10S-R	U-SRG	3/13/2012	1,081 62	60-100	94 88	986.74	3.94
IN-MW-1	U-SRG	3/13/2012	1,088 38	70-90	89 24	999 14	-0.87
OU3-1M	L-SRG	3/13/2012	1,093 30	140-160	91 14	1,002 16	-0 11
OU3-1D	BF	3/13/2012	1,093 09	235-255	81.28	1,011 81	2 04
OU3-2M	L-SRG	3/13/2012	1,094.74	59 2-110	85 95	1,008.79	0 13
OU3-4S	U-SRG	3/13/2012	1,094.74	59.2-110	91 03	1,003.71	-0 51
OU3-5SR	U-SRG	3/12/2012	1,087.28	89 7-119 7	90 45	996 83	1 05
OU3-5MR	L-SRG	3/12/2012	1,087 37	148 7-168 7	90 63	996.74	1 02
OU3-5M2	L-SRG	3/12/2012	1,087 24	202 7-222 7	90 52	996.72	1 08
OU3-5DR	BF	3/12/2012	1,087 35	232 7-252.7	85 42	1,001 93	2.07
OU3-6M	L-SRG	3/13/2012	1,083 66	152-172	87 78	995 88	1 57
OU3-6D	BF	3/13/2012	1,083 77	230-250	84 45	999.32	2.12
OU3-7S	U-SRG	3/13/2012	1,085 29	60-110	87 52	997 77	0 10
OU3-7M2	L-SRG	3/13/2012	1,085 59	195-215	87.55	998 04	0 15
OU3-8S	U-SRG	3/13/2012	1,080 05	59.9-110 5	90 62	989 43	2 51
OU3-8M2	L-SRG	3/13/2012	1,080.39	205.5-225 6	90 40	989 99	2.50
OU3-8D	BF	3/13/2012	1,080 00	260 5-270	87.09	992 91	3.71
OU3-9S	U-SRG	3/13/2012	1,080.55	59 6-110 2	90 23	990 32	1 74
OU3-9M2	L-SRG	3/13/2012	1,080.74	219.7-229.7	90 12	990.62	-0 21
OU3-10S	U-SRG	3/13/2012	1,081 90	75-125	94.39	987 51	4 19
OU3-10M	L-SRG	3/13/2012	1,082 25	146 7-166 7	94 77	987 48	3 93
OU3-10M2	L-SRG	3/13/2012	1,082 29	199 2-219 2	94 62	987 87	4 27
OU3-11S	U-SRG	3/13/2012	1,078.26	69 7-119 7	85 54	992.72	2 92
OU3-11M	L-SRG	3/13/2012	1,078 25	153 7-173 7	85 65	992 60	2 89
OU3-11M2	L-SRG	3/13/2012	1,078 05	196.7-216 7	85 45	992.60	2 94
OU3-12M	L-SRG	3/13/2012	1,090 79	146 7-166.7	85.52	1,005 27	-0.07
OU3-12D	BF	3/13/2012	1,090.77	245 8-265 8	80 63	1,010 14	0 91
OU3-13M	L-SRG	3/12/2012	1,095 75	154 7-174 7	90.48	1,005.27	-0.14
OU3-13D	BF	3/12/2012	1,095 71	224.7-244 7	87 73	1,007.98	0 37
OU3-14M	L-SRG	3/13/2012	1,099.05	145 7-165 7	91 83	1,007.22	-0 53
OU3-14D	BF	3/13/2012	1,099.14	231.2-251 2	82 50	1,016.64	0 68
OU3-16S	U-SRG	3/13/2012	1,082 19	75-125	94 04	988 15	3.56
OU3-16M	L-SRG	3/13/2012	1,082 25	160-180	94 28	987 99	3.50
OU3-17S	U-SRG	3/13/2012	1,082 22	70-120	83 73	998 49	0 87
OU3-19M	L-SRG	3/13/2012	1,091.21	150-170	85 86	1,005.35	-0 15
OU3-20S	U-SRG	3/13/2012	1,100.20	65-115	88 68	1,011.52	-0 44
OU3-20M	L-SRG	3/13/2012	1,100.12	160-180	88.81	1,011 31	-0 46
SC-MW-1D	U-SRG	3/13/2012	1,092 39	83-123	88 46	1,005.93	-0.11
						Average =	1 32

Notes:

amsl = above mean sea level
btoc = below top of casing
bgs = below ground surface
ft = feet
U-SRG = Upper Salt River Gravels Sub-unit
L-SRG = Lower Salt River Gravels Sub-unit
BF = Basin Fill Sub-unit

Well information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc. (Shaw 2010)

Hydrostratigraphic zones are from the Sitewide Lithology Table revised 6 June 2011

[1]Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of L-SRG and BF, they are classified as L-SRG wells for mapping purposes

*EW-22S was sampled by ERM since OU2 was not sampling this well during the March 2012 semi-annual event.

Table 6

March 2012 Groundwater Sampling Event
Analytical Data Summary
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1]	Sample Date	Screened Interval	TCE	PCE	cis-1,2-DCE	1,1-DCA	1,1-DCE	1,4-Dioxane
Units			ft btoc	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
AWQS				5	5	70	NA	7	NA
BE-MW-8	U-SRG	3/28/2012	75-105	< 0 50	6.2	< 0.50	< 0 50	< 0 50	< 1 0
DT-DW-5	U-SRG	3/12/2012	59-99	< 0 50	< 0 50	< 0 50	< 0 50	< 0.50	1.0
EW-13-118	U-SRG	3/12/2012	114 5-118.5	< 0.50	< 0 50	< 0.50	< 0 50	< 0 50	< 1 0
EW-13-168	L-SRG	3/12/2012	164 5-169 5	< 0 50	< 0.50	< 0 50	< 0 50	< 0 50	< 1.0
EW-13-228	L-SRG	3/12/2012	224 5-229.5	2 5	< 0.50	< 0 50	< 0 50	< 0 50	< 1 0
EW-13-268	BF	3/12/2012	264 5-269 5	< 0 50	< 0 50	< 0.50	< 0 50	< 0.50	< 1 2
EW-19S	U-SRG	3/22/2012	57-107	7.1	< 0 50	1 8	1.6	1 3	1 5
EW-19D	BF	3/22/2012	247-267	< 0.50	< 0 50	< 0 50	< 0 50	< 0 50	< 1 0
EW-20	U-SRG	3/21/2012	59-109	24	1 0	4 3	2 9	3 4	1.2
EW-21	U-SRG	3/27/2012	58-108	1 3	< 0 50	< 0.50	< 0 50	< 0 50	< 1 0
EW-22S	U-SRG	3/23/2012	58-108	26	1 2	3 9	2 0	1 2	< 1 0
EW-22S-Q1	U-SRG	3/23/2012	58-108	23	0 99	3 7	1 9	1 9	< 1 0
EWOU3-10S-R	U-SRG	3/20/2012	60-100	11	0 62	1 9	1 8	< 0.50	1 1
OU3-1M	L-SRG	3/27/2012	140-160	3.3	< 0.50	< 0 50	< 0 50	< 0.50	< 1 0
OU3-1D	BF	3/27/2012	235-255	< 0 50	< 0 50	< 0 50	< 0.50	< 0 50	< 1 0
OU3-2M	L-SRG	4/10/2012	150-170	26	1 1	6 0	3 8	6 4	1 6
OU3-4S	U-SRG	3/15/2012	59.2-110	< 0 50	2 9	< 0.50	< 0.50	< 0.50	< 1 0
OU3-5SR	U-SRG	3/21/2012	69.7-119 3	23	1 2	4 9	3 3	3 8	1 4
OU3-5MR	L-SRG	3/21/2012	148 7-168 7	42	1 9	8 2	4 7	8 2	2 0
OU3-5M2	L-SRG	3/21/2012	202 7-222.7	74	2 8	13	5 9	8.8	2 5
OU3-5DR	BF	3/21/2012	232 7-252 7	< 0 50	< 0 50	< 0 50	< 0 50	< 0 50	< 1 0
OU3-6M	L-SRG	3/16/2012	152-172	0 69	< 0 50	< 0 50	< 0 50	< 0 50	< 1.0
OU3-6D	BF	3/16/2012	230-250	< 0 50	< 0 50	< 0 50	< 0 50	< 0.50	< 1 0
OU3-7S	U-SRG	3/15/2012	60-110	< 0 50	2 9	< 0 50	< 0.50	< 0 50	< 1 0
OU3-7M2	L-SRG	3/15/2012	195-215	0 92	1 0	< 0 50	< 0.50	< 0 50	< 1 0
OU3-7M2-Q1	L-SRG	3/15/2012	195-215	0.99	1 2	< 0 50	< 0.50	< 0 50	< 1 0
OU3-8S	U-SRG	3/19/2012	59 9-110 5	8.3	0.87	1 0	< 0 50	< 0 50	< 1 0
OU3-8M2	L-SRG	3/19/2012	205.5-225 6	26	1 0	2.5	< 0.50	< 0 50	< 1 0
OU3-8D	BF	3/19/2012	260 5-270	< 0 50	< 0 50	< 0 50	< 0.50	< 0 50	< 1 0
OU3-9S	U-SRG	3/19/2012	59 2-110 2	< 0 50	2 1	< 0 50	< 0 50	< 0 50	< 1 0
OU3-9M2	L-SRG	3/19/2012	219 7-229 7	1.8	2 5	< 0 50	< 0.50	< 0 50	< 1 0
OU3-10S	U-SRG	3/20/2012	75-125	6.4	0 54	1 2	1 3	1 4	1 0
OU3-10M	L-SRG	3/20/2012	148 7-168 7	9.8	0.75	1 9	1 8	2 1	1 3
OU3-10M2	L-SRG	3/20/2012	199 2-219 2	36	1.5	7 0	6 1	9.7	3 3
OU3-10M2-Q1	L-SRG	3/20/2012	199.2-219 2	36	1.5	7 5	5 7	9.8	3 1
OU3-11S	U-SRG	3/26/2012	69 7-119 7	< 0 50	0 79	< 0 50	< 0 50	< 0 50	< 1.0
OU3-11M	L-SRG	3/26/2012	153 7-173 7	< 0 50	< 0 50	< 0 50	< 0.50	< 0 50	< 1 0
OU3-11M2	L-SRG	3/26/2012	198 7-218 7	< 0 50	< 0 50	< 0 50	< 0.50	< 0 50	< 1 0
OU3-12M	L-SRG	3/16/2012	148 7-168 7	1 3	< 0.50	< 0.50	< 0 50	0 76	< 1 0
OU3-12D	BF	3/16/2012	245.8-265 8	< 0.50	< 0.50	< 0 50	< 0 50	< 0 50	< 1 0
OU3-13M	L-SRG	3/23/2012	154.7-174 7	20	0 58	1.7	< 0 50	< 0 50	< 1 0
OU3-13D	BF	3/23/2012	224.7-244 7	< 0 50	< 0 50	< 0 50	< 0.50	< 0 50	< 1 0
OU3-14M	L-SRG	3/15/2012	145.7-165 7	< 0 50	< 0 50	< 0.50	< 0.50	< 0 50	< 1 0
OU3-14D	BF	3/15/2012	231.2-251.2	< 0.50	< 0 50	< 0 50	< 0 50	< 0 50	< 1 0
OU3-16S	U-SRG	3/20/2012	75-125	37	1 8	6.9	4 2	4 1	1 9
OU3-16M	L-SRG	3/20/2012	160-180	100	4 0	18	7 5	12	3 0
OU3-16M-Q1	L-SRG	3/20/2012	160-180	99	4 0	18	7 5	12	2 7
OU3-17S	U-SRG	3/23/2012	70-120	2 5	< 0.50	< 0 50	< 0 50	< 0 50	< 1 0
OU3-19M	L-SRG	3/23/2012	150-170	59	2.4	11	7 4	7.6	2 5
OU3-20S	U-SRG	4/10/2012	65-115	< 0 50	< 0 50	< 0.50	< 0 50	< 0 50	< 1.0
OU3-20M	L-SRG	3/22/2012	160-180	< 0 50	< 0 50	< 0.50	< 0 50	< 0 50	< 1.0
SC-MW-1D	U-SRG	3/16/2012	83-123	1 2	< 0 50	< 0 50	0.55	0.64	< 1.0

Notes.

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1 2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
AWQS = Arizona Water Quality Standards
BOLD = greater than or equal to the AWQS
µg/L = micrograms per liter
ft = feet btoc = below top of casing

NA = not applicable or no standard
< = concentration is less than indicated detectable value
BF = Basin Fill Sub-unit
U-SRG = Upper Salt River Gravels Sub-unit
L-SRG = Lower Salt River Gravels Sub-unit
Q1 = sample is field duplicate
Well information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc (Shaw 2010)
Hydrostratigraphic zones are from the Sitewide Lithology Table revised 8 June 2011
[1]Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of L-SRG and BF, they are classified as L-SRG wells for mapping purposes

Table 7

March 2012 Groundwater Sampling Event
Non-OU3 Program Monitoring Well Construction Details,
Groundwater Depths, and TCE Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1]	Top of Casing Elevation	Top of Screened Interval	Bottom of Screened Interval	Total Depth	Groundwater Elevation	TCE
Units		ft amsl	ft bgs	ft bgs	ft bgs	ft amsl	µg/L
AWQS							**5**
AS-02	U-SRG	1099 67	50	90	–	1011 80	–
ASE-28A	U-SRG	1108 28	–	–	–	Dry	–
ASE-36A	U-SRG	1102 58	69	99	–	1017 65	–
ASE-76A	U-SRG	1105 42	80	130	130	1019 31	–
ASE-76B	BF	1105.34	180	230	265	1019.04	–
ASE-77A	U-SRG	1101.86	85	115	115	1015 65	–
ASE-77B	BF	1101 76	180	230	258	1014.87	–
ASE-86A	U-SRG	1106.07	86	126	–	1022 15	–
ASE-88B	BF	1103.08	175	215	230	1015.35	–
BC11-B	BF	1111.25	135	160	–	NG	–
BC-16	U-SRG	1116.02	70	85	86	1049.69	–
CRA-1	U-SRG	1106 48	105 5	125 5	270	1015.01	< 1 0
DM-515-115	U-SRG	1103.61	115	–	–	NG	–
DM-515-210	BF	1103.61	210	–	–	1019.61	–
EW-06	U-SRG	1097 57	61	111	112	1011.02	< 1 0
EW-07	U-SRG	1104.99	78	128	129	1011.16	4 5
EW-19D	BF	1087 48	247	267	270	1009 68	–
EW-19S	U-SRG	1087 42	57	107	107	1001 64	–
EW-21	U-SRG	1094 11	58	108	108	1002 79	–
EW-22D	BF	1095 81	407	427	430	1013 70	–
EW-22S	U-SRG	1095 81	58	108	112	1005 21	–
EW-SPZ1	SRG* / BF	1098 26	118	208	–	1010 41	–
EW-M	SRG* / BF	1103.61	86	206	233	996.200	**58**
EW-N	SRG* / BF	1110.78	100	220	240	995 660	**38**
EW-S	SRG* / BF / BR	1100 37	94	194	215	1009 74	**8.0**
NW-1	U-SRG	1112 22	90	110	211	1028.06	2.1
NW-2	L-SRG	1101.87	173	193	212	1008 23	–
NW-3	U-SRG	1097.16	120	140	158	1008 53	**5.4**
NW-4D	BF	1099.92	182 5	202 5	221	1007 00	< 1 0
NW-4S	U-SRG	1099 96	90	130	221	1007 88	2.0
NW-5S	U-SRG	1099 98	88	128	147	1008 01	**13**
NW-6D	BF	1096.92	181 5	201 5	217 5	1007.44	–
NW-6S	U-SRG	1096.82	89.5	129.5	130	1008 41	–
NW-7D	BF	1094 21	215	235	298	1007 31	**7.1**
NW-7M	L-SRG	1093 94	180	200	–	1008 38	**6.2**
NW-7S	U-SRG	1094 19	89 5	129.5	130	1008.50	< 1.0
NW-8D	BF	1098 72	224	244	248	1009.87	–
NW-8M	BF	1098 65	175	195	195	1010 20	–
NW-8S	U-SRG	1098 45	99	149	151	1010 08	–
NW-9D	BF	1099 58	210	230	230	1011 13	3 5
NW-9D2	BF	1099 58	240	260	270	1009 44	4 5
NW-9M	L-SRG	1099 42	170	190	–	1010 81	–
NW-10D	BF	1098 91	210	230	300	1011 42	–
NW-11D	BF	1097 69	210	230	287	1010.69	**12**
NW-11M	L-SRG	1097 59	173	193	193	1010 94	2 9/2 7
NW-12D	BF	1104 10	225	245	300	1021 29	–
NW-13D	BF	1096 11	215	235	–	1009 73	3 3
NW-13M	L-SRG	1095 75	175	195	–	1009 63	< 1 0
NW-14D	BF	1099.62	215	235	–	1009.92	**5.8**
NW-14M	L-SRG	1099.05	175	195	–	1009.83	1 2
NW-15S	L-SRG	1099.02	–	–	–	1013 26	–
NW-16M	L-SRG	1097.92	155	175	–	1010 35	–
NW-16D	BF	1097.96	220	230	–	1010 83	–
NW-17S	CV	1096 75	130	145	–	1008 46	**90**
NW-18S	U-SRG	1094.78	90	130	–	1008 33	3 2/2.9
NW-18M	CV	1094.92	170	190	–	1008.35	**49**
NW-19M	L-SRG	1100.69	165	185	–	1013 49	1 0
NW-19D	BF	1100.50	205	220	–	1013 31	**29/30**
PHXA-06	U-SRG	1100 84	50	140	205	1014 37	–
PZ-1S	U-SRG	1102.41	99	119	258	1007.54	–
PZ-1D	BR	1102 69	217	237	–	1007 59	–
PZ-2S	U-SRG	1107 92	125	145	269	1007 53	–
PZ-2D	BR	1107.95	245	265	–	1007 55	–
TEW-1	U-SRG	1103 47	100	145	160	1007 50	–

Notes:

– = no data
U-SRG = Upper Salt River Gravels Sub-unit
L-SRG = Lower Salt River Gravels Sub-unit
BF = Basin Fill Sub-unit
BR = Bedrock
CV = Colluvium
SRG* = Screened in U-SRG and L-SRG
bgs = below ground surface
µg/L = micrograms per liter
ft = feet
NG = not gauged

TCE = Trichloroethene
amsl = above mean sea level
BOLD = greater than or equal to the AWQS
AWQS = Arizona Water Quality Standards
[1]Unless otherwise noted with asterisk, revised stratigraphic zones are from Statewide Lithology Table revised 6 June 2011
Well construction, TCE, GW elevation data and data validation flags from *Data Transmittals received from CRA on 5/10/12 and 6/12/12* (CRA 2012) and CH2MHILL (2012)
Non-OU3 SRG is not typically broken into U-SRG and L-SRG divisions. Table 7 makes this distinction to facilitate the incorporation of non-OU3 data into Figures 3, 4, 6, and 7, which do distinguish between an Upper and Lower Salt River Gravels Sub-unit.

Appendix A
Groundwater Sampling Field Forms

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-7M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/15/12

Project Number: 0096498.032 Sample Time: 0851

Screened Interval: 215-195 Initial Depth to Water (ft): 87.55

Measured Well Depth (ft): 215 Length of Water Column (ft): 127.45

Well Inner Diameter (in): 4" 1 Well Volume (gal): 83 x 3 = 250

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nag6 Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/15	0820	0	87.69	6.41	2.31	87.9	6.83	23.12	301
	0824	30	87.81	6.73	2.25	30.6	2.65	24.44	289
	0828	60	87.81	6.74	2.24	26.4	2.26	24.56	288
	0832	90	87.81	6.74	2.25	16.4	2.78	24.66	287
	0836	120	87.81	6.77	2.24	2.2	2.40	24.64	287
	0840	150	87.81	6.78	2.24	1.5	2.20	24.62	287
	0844	180	87.81	6.80	2.23	1.1	1.97	24.59	288
	0848	210	87.81	6.81	2.24	1.3	1.81	24.60	287
	0852	240	87.81	6.81	2.23	1.2	1.79	24.67	288
	0856	270	87.81	6.81	2.23	1.2	1.75	24.66	287

Volume Purged Prior to Sample Collection: 270 Depth to Water during Sample Collection: 87.81

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	--

Remarks: Duplicate 8gpm

OU3-7M2-M-031512-Q1

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-7s

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/15/12
Project Number: 0096498.032 Sample Time: 1045

Screened Interval: 110-60 Initial Depth to Water (ft): 87.52
Measured Well Depth (ft): 110 Length of Water Column (ft): 22.48
Well Inner Diameter (in): 4" 1 Well Volume (gal): 15 x 3 = 44

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horriba
Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/15	1030	0	87.32	6.91	2.45	386	7.09	25.21	247
	1035	15	87.45	7.04	2.50	20.8	4.61	25.27	253
	1040	30	87.46	7.04	2.49	10.7	2.08	25.31	254
	1045	45	87.47	7.05	2.49	5.5	2.11	25.27	255

Volume Purged Prior to Sample Collection: 45 Depth to Water during Sample Collection: 87.47

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

3 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-14D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/15/12

Project Number: 0096498.032 Sample Time: 1420

Screened Interval: 231 - 251 Initial Depth to Water (ft): 82.50

Measured Well Depth (ft): 251 Length of Water Column (ft): 168.5

Well Inner Diameter (in): 4" 1 Well Volume (gal): 110 x 3 = 330

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nyle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/15	1315	0	82.68	6.95	1.75	71.3	10.19	25.50	267
	1318	40	119.67	7.04	1.82	606	5.84	25.41	264
	1322	80	130.03	7.04	1.80	148	5.57	25.40	263
	1326	120	187.61	7.06	1.79	51.9	5.21	26.00	261
	1329	160	234.67	7.08	1.78	45.9	4.74	26.34	253
		~~200~~							
		~~240~~							
		~~280~~							
		~~320~~							
		~~360~~							

1128

Volume Purged Prior to Sample Collection: 175 Depth to Water during Sample Collection: 116.71'

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	--

Remarks: Dry @ 175 gal, will wait till 80% recovery ~117' BTW 12 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-14M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/15/2012

Project Number: 0096498.032 Sample Time: 1540

Screened Interval: 145-165 Initial Depth to Water (ft): 91.53

Measured Well Depth (ft): 165 Length of Water Column (ft): 73.17

Well Inner Diameter (in): 4" 1 Well Volume (gal): 48 x 3 = 143

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/15	1505	0	92.11	6.84	2.29	255	7.77	25.79	284
	1510	25	102.63	6.84	2.26	32.8	6.62	25.34	271
	1515	50	102.63	6.85	2.37	5.9	6.30	25.29	261
	1525	75	102.63	6.86	2.37	3.7	6.14	25.33	258
	1530	100	102.63	6.86	2.37	2.5	5.84	25.40	256
	1535	125	102.64	6.87	2.37	3.1	5.46	25.46	256
	1540	150	102.64	6.87	2.37	2.7	5.39	25.39	256

Volume Purged Prior to Sample Collection: 150 Depth to Water during Sample Collection: 102.64

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	--

Remarks: Level IV 5 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-45

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/15/12

Project Number: Sample Time: 1649

Screened Interval: 59-110 Initial Depth to Water (ft): 91.03

Measured Well Depth (ft): 110 Length of Water Column (ft): 18.97

Well Inner Diameter (in): 4" 1 Well Volume (gal): 12 x 3 = 36

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/15	1635	0	91.63	6.84	2.43	102	3.56	29.60	284
	1637	10	91.63	6.84	2.43	160	3.29	28.07	276
	1639	15	91.65	6.86	2.47	73.1	3.39	27.24	275
	1641	20	91.65	6.87	2.50	17.3	3.41	27.12	275
	1643	25	91.65	6.87	2.51	7.5	3.38	27.03	274
	1645	30	91.65	6.89	2.52	3.9	3.35	26.80	272
	1647	35	91.65	6.89	2.51	2.7	3.39	26.76	271
	1649	40	91.65	6.89	2.52	1.7	3.38	26.72	271

Volume Purged Prior to Sample Collection: 40 Depth to Water during Sample Collection: 91.65

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Rinsate
GW-EB2-031512 @1650

5 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-6M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/16/12

Project Number: 0096498.032 Sample Time: 0822

Screened Interval: 152-172 Initial Depth to Water (ft): 87.78

Measured Well Depth (ft): 172 Length of Water Column (ft): 84.32

Well Inner Diameter (in): 4" 1 Well Volume (gal): 55 x 3 = 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: NJW Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/16	0750	0	87.49	6.79	1.38	150	2.69	21.68	316
	0754	20	87.99	6.72	1.37	144	2.18	21.74	314
	0758	40	87.99	6.73	1.36	124	1.84	21.54	310
	0802	80	87.99	6.74	1.37	106	1.73	21.26	305
	0806	100	87.98	6.75	1.28	98.0	1.68	21.23	303
	0810	120	87.98	6.73	1.33	23.1	1.62	22.03	297
	0814	140	87.99	6.76	1.33	17.1	1.64	21.80	295
	0818	160	87.99	6.76	1.32	15.8	1.60	21.68	293
	0822	170	87.99	6.76	1.32	9.6	1.58	21.39	292

Volume Purged Prior to Sample Collection: 170 Depth to Water during Sample Collection: 87.99

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

330 hz

5 gpm

OU3-6M-N-03161R

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-GD

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/14/12

Project Number: 0096498.032 Sample Time: 1003

Screened Interval: 230-250 Initial Depth to Water (ft): 84.45

Measured Well Depth (ft): 250 Length of Water Column (ft): 165.55

Well Inner Diameter (in): 4" 1 Well Volume (gal): 108 x 3 = 324

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft) 84.53	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/14	0936	0	~~87.49~~	6.82	1.50	38.6	8.50	21.28	301
	0939	36	84.82	6.91	1.83	10.6	7.70	23.21	298
	0942	72	84.83	6.92	1.84	1.2	7.42	23.56	297
	0945	108	84.83	6.94	1.84	1.5	6.94	23.82	297
	0948	144	84.83	6.95	1.83	1.4	6.74	23.91	297
	0951	180	84.83	6.95	1.83	1.1	6.40	23.97	297
	0954	216	84.83	6.96	1.83	1.7	6.23	23.98	297
	0957	252	84.83	6.97	1.83	1.6	5.99	24.03	297
	1000	288	84.83	6.98	1.83	1.2	5.97	24.08	297
	1003	325	84.83	6.98	1.83	1.5	5.90	24.08	297

Volume Purged Prior to Sample Collection: 325 Depth to Water during Sample Collection: 84.83

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

12 pm

OU3-GD-D-031612

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-12D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/16

Project Number: 0096498.032 Sample Time: 1230

Screened Interval: 245.6 – 265.6 Initial Depth to Water (ft): 80.63

Measured Well Depth (ft): 265.6 Length of Water Column (ft): 184.37

Well Inner Diameter (in): 4" 1 Well Volume (gal): 120 x 3 360

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/16	1152	0	80.71	7.11	1.52	31.4	10.40	26.91	314
	1158	40	89.19	7.10	1.48	26.7	7.01	25.93	309
	1202	80	89.19	7.08	1.42	19.3	6.45	25.88	302
	1206	120	89.19	7.09	1.42	10.8	6.41	25.85	302
	1210	160	89.19	7.09	1.44	9.3	5.70	25.93	297
	1214	200	89.19	7.09	1.46	8.7	5.61	26.11	293
	1218	240	89.19	7.09	1.48	5.1	5.56	26.26	292
	1222	280	89.19	7.10	1.48	3.6	5.17	26.87	290
	1226	320	89.19	7.10	1.48	2.9	5.00	27.04	288
	1230	360	89.19	7.11	1.49	1.7	4.95	27.13	287

Volume Purged Prior to Sample Collection: 360 Depth to Water during Sample Collection: 89.19

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 10ppm

OU3-12D-D-031612

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-12M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/16/12

Project Number: 0096498.032 Sample Time: 1342

Screened Interval: 146.7 - 166.7 Initial Depth to Water (ft): 85.52

Measured Well Depth (ft): 166.7 Length of Water Column (ft): 81.18

Well Inner Diameter (in): 4" 1 Well Volume (gal): 53 x 3 = 160

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/16	1311	0	85.50	6.97	1.37	729	7.64	27.33	285
	1315	20	86.05	6.86	1.41	650	7.04	26.66	272
	1319	40	86.05	6.83	1.39	603	6.33	27.47	243
	1323	60	86.05	6.83	1.39	563	6.22	27.75	233
	1327	80	86.05	6.78	1.39	551	6.20	27.78	232
	1331	100	86.05	6.84	1.41	306	6.24	26.89	230
	1335	120	86.05	6.86	1.41	79.8	5.97	26.68	227
	1339	140	86.05	6.86	1.41	19.6	5.78	26.53	225
	1342	160	86.05	6.86	1.41	17.3	5.69	26.64	224

Volume Purged Prior to Sample Collection: 160 Depth to Water during Sample Collection: 86.05

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Sym

Level IV OU3-12M-M-031612

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: SC-MW-1D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/16/2012

Project Number: 0096498.032 Sample Time: 1548

Screened Interval: 83-123 Initial Depth to Water (ft): 86.46

Measured Well Depth (ft): 123 Length of Water Column (ft): 36.54

Well Inner Diameter (in): 4" 1 Well Volume (gal): 24×3=72

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/16	1530	0	86.35	6.66	1.22	415	2.24	29.37	292
	1536	24	86.80	6.62	1.46	111	1.06	27.58	208
	1542	48	86.80	6.64	1.48	11.0	0.97	27.27	274
	1548	72	86.80	6.66	1.48	12.6	0.97	27.21	273

Volume Purged Prior to Sample Collection: 72 Depth to Water during Sample Collection: 86.80

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	--

Remarks:

Rinsate GW-LL= 4 gpm

GW-EB3-031612

SC-MW-1D-S-031612

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/19/12

Project Number: 0076498.032 Sample Time: 0904

Screened Interval: 260.5-270 Initial Depth to Water (ft): 87.09

Measured Well Depth (ft): 270 Length of Water Column (ft): 182.91

Well Inner Diameter (in): 4" 1 Well Volume (gal): 119 x 3 = 358

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/19	0829	0	87.30	7.03	1.33	22.5	5.54	20.96	344
	0833	40	89.33	6.76	1.32	24.9	4.74	21.75	347
	0837	80	89.34	6.78	1.32	24.9	4.47	21.86	347
	0841	120	89.34	6.82	1.31	23.6	4.32	22.11	343
	0845	160	89.34	6.81	1.31	20.5	4.18	22.03	344
	0849	200	89.34	6.80	1.31	19.3	4.06	22.05	344
	0853	240	89.34	6.80	1.31	18.7	3.98	21.93	343
	0857	280	89.34	6.81	1.30	17.5	3.88	21.87	343
	0900	320	89.34	6.80	1.30	16.4	3.80	21.80	344
	0904	360	89.34	6.80	1.31	15.9	3.77	21.85	343

Volume Purged Prior to Sample Collection: ~~85~~ 360 Depth to Water during Sample Collection: 89.34

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 10 gpm

OU3-8D-D-0319/2

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 8/19/2012

Project Number: 0096498-032 Sample Time: 1056

Screened Interval: 205.5 - 225.6 Initial Depth to Water (ft): 90.40

Measured Well Depth (ft): 225.6 Length of Water Column (ft): 135.2

Well Inner Diameter (in): 4" 1 Well Volume (gal): 88 x 3 = 265

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
8/19	0948	0	90.47	6.75	1.58	73.8	3.83	20.22	337
	0956	30	91.15	6.69	1.93	10.2	3.97	21.11	329
	1004	60	91.15	6.69	2.00	8.5	4.10	20.58	324
	1011	90	91.15	6.69	2.01	8.7	4.14	20.79	323
	1019	120	91.15	6.69	2.01	4.5	4.02	20.44	315
	1027	150	91.15	6.68	2.03	3.9	4.07	22.33	303
	1034	180	91.15	6.65	2.02	5.3	4.01	22.58	300
	1042	210	91.15	6.66	2.02	7.1	4.08	22.76	297
	1049	240	91.15	6.67	2.02	6.3	4.05	22.84	295
	1056	270	91.15	6.67	2.02	6.4	4.04	22.79	294

Volume Purged Prior to Sample Collection: 270 Depth to Water during Sample Collection: 91.15

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Level IV

4:30

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-85

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/19/2012

Project Number: 0096498.032 Sample Time: 1118

Screened Interval: 560 - 110.5 Initial Depth to Water (ft): 90.62

Measured Well Depth (ft): 110.5 Length of Water Column (ft): 19.88

Well Inner Diameter (in): 4" 1 Well Volume (gal): 13x3 = 39

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/19	1110	0	90.58	6.60	2.42	11.9	2.55	24.84	318
	1112	10	90.75	6.58	2.41	12.1	2.01	25.15	317
	1114	20	90.76	6.58	2.42	9.5	1.83	25.28	315
	1116	30	90.76	6.58	2.42	5.7	1.90	25.20	312
	1118	40	90.76	6.58	2.42	4.9	1.99	25.38	311

Volume Purged Prior to Sample Collection: 40 Depth to Water during Sample Collection: 90.76

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 5 SPM

OU3-85-S-031912

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-9M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/19/2012

Project Number: 0096498.032 Sample Time: 1353

Screened Interval: 219.7-229.7 Initial Depth to Water (ft): 90.12

Measured Well Depth (ft): 229.7 Length of Water Column (ft): 139.58

Well Inner Diameter (in): 4" 1 Well Volume (gal): 91 x 3 = 273

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/19	1257	0	90.09	6.67	2.25	45.1	8.35	23.34	342
	1304	35	90.52	6.67	2.27	36.3	4.08	24.64	323
	1311	70	90.54	6.68	2.27	27.8	4.07	24.66	316
	1318	105	90.54	6.72	2.27	25.1	4.05	24.68	308
	1325	140	90.54	6.71	2.27	14.7	3.85	24.60	305
	1332	175	90.54	6.73	2.27	10.3	3.05	24.70	299
	1339	210	90.54	6.73	2.28	9.6	2.77	24.71	298
	1346	245	90.54	6.74	2.28	3.8	2.73	24.70	297
	1353	280	90.54	6.75	2.27	2.1	2.70	24.68	298

Volume Purged Prior to Sample Collection: 280 Depth to Water during Sample Collection: 90.54

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 5gpm

Level IV

OU3-9M2-M-031912

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-9S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/19/2012

Project Number: 0096498.032 Sample Time: 1428

Screened Interval: 105.5-110.5 Initial Depth to Water (ft): 90.23

Measured Well Depth (ft): 110.5 Length of Water Column (ft): 20.27

Well Inner Diameter (in): 4" 1 Well Volume (gal): 13.3 - 39

Water Volume/ft. for:

1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/19	1420	0	90.25	6.74	2.43	601	3.85	24.23	310
	1422	10	90.50	6.78	2.53	118	3.07	24.20	300
	1424	20	90.50	6.73	2.58	45.7	2.78	24.38	300
	1426	30	90.50	6.72	2.58	40.9	2.77	24.52	297
	1428	40	90.50	6.73	2.59	16.5	2.72	24.49	295

Volume Purged Prior to Sample Collection: 40 Depth to Water during Sample Collection: 90.50

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: R. Nagle GW-EB4-031912 1429 4gpm

OU3-9S-5-031912

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/20/12

Project Number: 0096498.032 Sample Time: 0927

Screened Interval: 199.2 - 219.2 Initial Depth to Water (ft): 94.62

Measured Well Depth (ft): 219.2 Length of Water Column (ft): 124.58

Well Inner Diameter (in): 4" 1 Well Volume (gal): 81 x 3 = 244

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayli Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/20	0932	0	94.76	7.13	1.06	83.6	7.44	17.55	342
	0837	31	95.69	7.20	1.46	53.2	3.59	27.37	303
	0844	62	95.69	7.22	1.44	50.8	2.89	22.60	285
	0851	93	95.69	7.19	1.44	44.7	2.42	22.66	273
	0858	124	95.69	7.12	1.45	37.2	2.90	22.76	264
	0906	155	95.69	7.08	1.45	30.5	2.62	22.56	259
	0913	186	95.69	7.03	1.45	19.1	2.59	22.67	246
	0920	217	95.69	7.05	1.44	14.0	2.58	22.85	243
	0927	248	95.69	7.04	1.44	10.1	2.53	22.87	242

Volume Purged Prior to Sample Collection: 248 Depth to Water during Sample Collection: 95.69

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: duplicate 5 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3 - 10M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/20/2012

Project Number: 0096498.032 Sample Time: 1035

Screened Interval: 146.7 - 166.7 Initial Depth to Water (ft): 94.77

Measured Well Depth (ft): 166.7 Length of Water Column (ft): 71.93

Well Inner Diameter (in): 4" 1 Well Volume (gal): 47 x 3 = 140

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/20	0955	0	94.86	7.09	1.43	502	8.02	22.73	301
	~~0900~~ 1000	18	95.03	7.06	1.40	156	6.71	24.28	265
	1005	36	95.03	7.09	1.41	149	6.79	24.14	250
	1010	54	95.03	7.10	1.41	135	6.55	24.38	245
	1015	72	95.03	7.11	1.40	127	6.48	24.62	240
	1020	90	95.03	7.12	1.39	38.7	5.90	24.81	235
	1025	108	95.03	7.12	1.39	10.4	5.82	25.00	230
	1030	126	95.03	7.10	1.39	5.6	5.84	25.05	230
	1035	145	95.03	7.10	1.39	3.9	5.80	25.14	229

Volume Purged Prior to Sample Collection: 145 Depth to Water during Sample Collection: 95.03

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 4 gpm

OU3-10M-M-03 2012

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/20/12

Project Number: 0096498 032 Sample Time: 1119

Screened Interval: 75-125 Initial Depth to Water (ft): 94.39

Measured Well Depth (ft): 125 Length of Water Column (ft): 30.61

Well Inner Diameter (in): 4" 1 Well Volume (gal): 20 x 3 = 60

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/19	1107	0	92.41	7.01	1.34	>800	3.38	28.28	221
	1109	10	92.60	7.03	1.35	>800	2.88	28.11	225
	1111	20	92.60	6.90	1.43	306	2.77	26.26	227
	1113	30	92.60	6.85	1.43	103	2.68	26.23	231
	1115	40	92.60	6.88	1.43	56.1	2.60	26.20	235
	1117	50	92.60	6.86	1.42	38.7	2.58	26.17	237
	1119	60	92.60	6.89	1.42	28.7	2.51	26.10	238

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 92.60

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

5 gpm

OU3-10S-S-032012

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-16M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/20/12

Project Number: 0096498.032 Sample Time: 1348

Screened Interval: 160-180 Initial Depth to Water (ft): 94.26

Measured Well Depth (ft): 180 Length of Water Column (ft): 85.74

Well Inner Diameter (in): 4" 1 Well Volume (gal): 56 x 3 = 168

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/20	1316	0	94.25	7.11	1.59	381	7.53	25.39	337
	1320	21	95.22	6.62	1.70	293	4.72	25.29	329
	1324	42	95.22	6.67	1.71	68.3	2.95	25.31	274
	1328	63	95.22	6.77	1.71	15.3	3.01	25.29	210
	1332	85	95.22	6.79	1.71	3.8	2.99	25.31	190
	1336	106	95.22	6.81	1.71	1.0	2.96	25.30	178
	1340	127	95.22	6.83	1.73	2.1	2.95	25.31	174
	1344	148	95.22	6.84	1.71	1.9	2.94	25.27	174
	1348	169	95.22	6.84	1.71	2.0	2.94	25.27	175

Volume Purged Prior to Sample Collection: 169 Depth to Water during Sample Collection: 95.22

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: duplicate OU3-16M-M-032012-Q1 5 gpm

OU3-16M-M-032012

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-165

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/20/12

Project Number: 0096498.032 Sample Time: 1421

Screened Interval: 75-125 Initial Depth to Water (ft): 94.04

Measured Well Depth (ft): 125 Length of Water Column (ft): 30.96

Well Inner Diameter (in): 4" 1 Well Volume (gal): 20 x 3 = 60

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/20	1405	0	94.10	6.77	1.66	420	4.53	26.61	222
	1411	10	94.31	6.77	1.66	381	4.09	26.43	228
	1413	20	94.31	6.77	1.66	345	4.64	26.30	231
	1415	30	94.31	6.78	1.67	225	4.55	26.25	234
	1417	40	94.31	6.78	1.66	141	4.51	26.27	236
	1419	50	94.31	6.79	1.67	94.9	4.49	26.20	238
	1421	60	94.31	6.79	1.67	91.3	4.47	26.16	238

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 94.31

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: Rinsate GW-EB5-032012 1422 5SPM

OU3-60-S-032012

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5DR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/21/12

Project Number: Sample Time: 0851

Screened Interval: 232.7-252.7 Initial Depth to Water (ft): 85.42

Measured Well Depth (ft): 252.7 Length of Water Column (ft): 167.28

Well Inner Diameter (in): 4" 1 Well Volume (gal): 109 x 3 = 327

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: NJL Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/21	0815	0	86.55	6.65	1.62	795	8.11	22.79	253
	0819	40	94.80	6.99	1.69	107	4.86	23.76	230
	0823	80	94.80	7.04	1.70	101	4.80	23.39	230
	0827	120	94.80	7.19	1.69	72.7	3.52	23.55	223
	0831	160	94.80	7.19	1.69	66.6	3.46	23.57	226
	0835	200	94.80	7.18	1.69	59.9	3.45	23.60	228
	0839	240	94.80	7.18	1.69	47.1	3.43	23.59	231
	0843	280	94.80	7.21	1.69	24.5	3.38	23.59	228
	0847	320	94.80	7.19	1.69	12.4	3.38	23.67	230
	0851	330	94.80	7.18	1.69	16.5	3.37	23.63	230

Volume Purged Prior to Sample Collection: 330 Depth to Water during Sample Collection: 94.80

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

10 gpm

OU3-5DR-D-032112

4

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5MR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/21/2012

Project Number: 0095498.032 Sample Time: 1018

Screened Interval: 148.7 - 168.7 Initial Depth to Water (ft): 90.63

Measured Well Depth (ft): 168.7 Length of Water Column (ft): 78.07

Well Inner Diameter (in): 4" 1 Well Volume (gal): 50 x 3 = 150

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagl Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/21	0938	0	90.70	6.61	1.64	>800	4.47	24.35	208
	0943	20	90.79	6.54	1.67	509	2.77	24.96	203
	0948	40	90.79	6.54	1.67	43.0	2.48	25.16	200
	0953	60	90.79	6.60	1.66	28.1	2.82	25.18	201
	0958	80	90.79	6.62	1.65	14.7	2.36	25.18	174
	1003	100	90.79	6.64	1.65	10.2	2.37	25.20	169
	1008	120	90.79	6.64	1.65	9.7	2.35	25.24	167
	1013	140	90.79	6.64	1.64	8.1	2.34	25.20	164
	1018	150	90.79	6.64	1.64	8.2	2.30	25.27	165

Volume Purged Prior to Sample Collection: 150 Depth to Water during Sample Collection: 90.79

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

5 SPM

OU3-5MR-M-032112

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5SR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/21/12

Project Number: 0096498.032 Sample Time: 1048

Screened Interval: 69.7-119.7 Initial Depth to Water (ft): 90.45

Measured Well Depth (ft): 119.7 Length of Water Column (ft): 29.25

Well Inner Diameter (in): 4" 1 Well Volume (gal): 20 x 3 = 60

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayb Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/21	1036	0	90.53	6.58	1.70	379	5.59	26.14	227
	1038	10	90.61	6.58	1.72	99.9	4.06	25.86	226
	1040	20	90.61	6.59	1.72	35.7	3.81	25.71	225
	1042	30	90.61	6.61	1.73	12.8	3.78	25.67	225
	1044	40	90.61	6.62	1.73	11.1	3.70	25.65	222
	1046	50	90.61	6.62	1.73	12.3	3.69	25.60	222
	1048	60	90.61	6.63	1.73	10.9	3.61	25.64	221

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 90.61

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 5 pm

OU3-5SR-5-032112

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/21/12

Project Number: 0096498.032 Sample Time: 1308

Screened Interval: 202.7-222.7 Initial Depth to Water (ft): 90.52

Measured Well Depth (ft): 222.7 Length of Water Column (ft): 132.18

Well Inner Diameter (in): 4" 1 Well Volume (gal): 86×3=258

Water Volume/ft. for:

1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/21	1242	0	90.65	6.66	1.61	105	7.89	24.73	224
	1245	30	91.75	6.68	1.62	13.8	6.17	24.58	212
	1248	60	91.76	6.70	1.62	9.1	5.71	24.61	209
	1251	90	91.76	6.70	1.62	7.3	5.66	24.59	209
	1254	120	91.76	6.71	1.63	5.2	5.27	24.61	205
	1257	150	91.76	6.73	1.63	4.3	5.10	24.60	206
	1300	180	91.76	6.75	1.63	4.8	5.03	24.62	209
	1303	210	91.76	6.73	1.63	5.1	4.98	24.60	206
	1306	240	91.76	6.73	1.63	4.5	4.81	24.61	207
	1308	260	91.76	6.72	1.63	3.1	4.79	24.57	205

Volume Purged Prior to Sample Collection: 260 Depth to Water during Sample Collection: 91.76

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 10 ppm

OU3-5M2-M-032112

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-20

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/21/12

Project Number: 0096498.032 Sample Time:

Screened Interval: 58-108 Initial Depth to Water (ft): 91.25

Measured Well Depth (ft): 108 Length of Water Column (ft): 16.75

Well Inner Diameter (in): 4" 1 Well Volume (gal): 11 x 3 = 33

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	1440	0	91.27	6.87	1.86	188	3.36	25.91	280
	1441	5	91.35	6.63	1.93	142	3.14	26.05	274
	1442	10	91.37	6.63	1.96	87.6	2.75	25.97	270
	1443	15	91.38	6.64	1.97	69.0	2.55	25.92	265
	1444	20	91.38	6.65	1.97	30.2	2.32	25.88	262
	1445	25	91.38	6.66	1.97	17.2	2.18	25.87	257
	1446	30	91.38	6.66	1.98	10.9	1.97	25.86	252
	1447	35	91.38	6.67	1.98	9.3	1.98	25.80	250
	1448	40	91.38	6.67	1.98	8.9	1.98	25.86	249

Volume Purged Prior to Sample Collection: 40 Depth to Water during Sample Collection: 91.38

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Rinsate GW-EBG-032112 1449 SJP

EW-20-S-032112

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-19D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/22/12

Project Number: 0096498.032 Sample Time: 0830

Screened Interval: 247-267 Initial Depth to Water (ft): 77.90

Measured Well Depth (ft): 267 Length of Water Column (ft): 189.1

Well Inner Diameter (in): 4" 1 Well Volume (gal): 125x3 = 375

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	0750	0	77.12	7.40	1.83	83.3	4.48	21.05	214
	0755	50	79.85	7.38	1.77	5.6	3.28	23.10	188
	0800	100	79.87	7.36	1.78	2.7	3.41	23.11	191
	0805	150	79.87	7.33	1.78	3.1	3.43	23.24	196
	0810	200	79.87	7.29	1.79	3.5	3.41	23.30	201
	0815	250	79.87	7.30	1.78	3.2	3.49	23.33	203
	0820	300	79.87	7.29	1.78	2.7	3.45	23.40	205
	0825	350	79.87	7.26	1.78	3.3	3.46	23.43	206
	0830	375	79.87	7.24	1.78	3.1	3.45	23.49	208

Volume Purged Prior to Sample Collection: 375 Depth to Water during Sample Collection: 79.87

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: — 10 gpm

EW-19D-032212

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-19s

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/22/12

Project Number: 0096495.032 Sample Time: 0945

Screened Interval: 107-112 Initial Depth to Water (ft): 85.73

Measured Well Depth (ft): 112 Length of Water Column (ft): 26.27

Well Inner Diameter (in): 4" 1 Well Volume (gal): 17x3 = 51

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Pump~~ Bailer

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: ~~Pump~~ Bailer

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	0945	55	85.83	6.89	1.45	302	3.61	25.30	210

Volume Purged Prior to Sample Collection: 55 Depth to Water during Sample Collection: 85.83

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: Used 6meal rig bailer 2"
- casing of well has rust/grime buildup, can not use 4" bailer

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-2M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/22/12

Project Number: 0096498.032 Sample Time: 1053

Screened Interval: 150-170 Initial Depth to Water (ft): 85.95

Measured Well Depth (ft): 170 Length of Water Column (ft): 84.05

Well Inner Diameter (in): 4" 1 Well Volume (gal): 55 x 3 = 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nate Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	1017	0	86.12	6.73	1.58	>800	3.89	25.07	189
	1021	20	86.22	6.68	1.58	765	1.44	25.18	171
	1025	40	86.22	6.69	1.58	742	1.41	25.20	174
	1029	60	86.22	6.71	1.58	731	1.39	25.23	177
	1033	80	86.22	6.70	1.58	723	1.34	25.27	178
	1037	100.	86.22	6.70	1.58	716	1.38	25.31	179
	1041	120	86.22	6.70	1.59	655	1.39	25.43	179
	1045	140	86.22	6.71	1.59	625	1.44	25.58	179
	1049	160	86.22	6.73	1.59	552	1.40	25.70	179
	1053	170	86.22	6.73	1.60	534	1.39	25.88	180

Volume Purged Prior to Sample Collection: 170 Depth to Water during Sample Collection: 86.22

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: MS/MSD 5 spm

OU3-2M-M-032212 OU3-2M-M-032212-MS/MSD

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-20S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/22/12

Project Number: 0056498.032 Sample Time: 1312

Screened Interval: 65-115 Initial Depth to Water (ft): 88.68

Measured Well Depth (ft): 115 Length of Water Column (ft): 26.32

Well Inner Diameter (in): 4" 1 Well Volume (gal): 17 x 3 = 51

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	1300	0	88.91	6.73	1.21	398	4.34	25.55	267
	1302	10	89.05	6.68	1.24	~~##~~ 71.8	2.28	27.80	225
	1304	20	89.05	6.68	1.25	35.2	2.01	27.69	210
	1306	30	89.05	6.69	1.25	24.9	1.98	27.65	208
	1308	40	89.05	6.69	1.25	13.1	1.94	27.60	205
	1310	50	89.05	6.70	1.25	10.3	1.80	27.61	203
	1312	55	89.05	6.71	1.25	9.1	1.78	27.63	201

Volume Purged Prior to Sample Collection: 55 Depth to Water during Sample Collection: 89.05

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

MS/MSD OU3-20S-S-032212 MS/MSD 5 spm

OU3-20S-S-032212

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-20M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/22/12

Project Number: 0096498.032 Sample Time: 1545

Screened Interval: 160 - 180 Initial Depth to Water (ft): 88.81

Measured Well Depth (ft): 180 Length of Water Column (ft): 91.19

Well Inner Diameter (in): 4" 1 Well Volume (gal): 60 x 3 = 180

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nicole Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	1527	0	89.88	6.80	1.18	710	1.01	26.83	138
	1529	20	90.12	6.85	1.21	52.8	1.04	26.43	136
	1531	40	90.12	6.84	1.22	31.8	0.82	26.21	142
	1533	60	90.12	6.84	1.20	21.1	0.79	26.12	141
	1535	80	90.12	6.84	1.20	17.5	0.74	26.10	142
	1537	100	90.12	6.84	1.22	15.7	0.69	26.07	140
	1539	120	90.12	6.84	1.21	10.4	0.64	26.05	140
	1541	140	90.12	6.83	1.21	9.4	0.65	26.02	139
	1543	160	90.12	6.82	1.20	8.7	0.60	26.01	137
	1545	180	90.12	6.82	1.21	3.4	0.61	26.02	135

Volume Purged Prior to Sample Collection: 180 Depth to Water during Sample Collection: 90.12

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Rinsate GW-EB7-032212

10 gpm

OU3-20M-M-032212

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-19M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/23/12

Project Number: 0029648.032 Sample Time: 0810

Screened Interval: 150-170 Initial Depth to Water (ft): 85.86

Measured Well Depth (ft): 170 Length of Water Column (ft): 84.14

Well Inner Diameter (in): 4" 1 Well Volume (gal): 5513 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagl Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/22	0734	0	86.13	6.40	1.67	616	3.64	22.31	371
	0738	20	86.51	6.43	1.66	335	3.48	22.78	345
	0742	40	86.51	6.36	1.68	142	2.29	23.01	315
	0746	60	86.51	6.43	1.69	99.9	2.28	23.37	292
	0750	80	86.51	6.44	1.68	74.5	2.24	23.45	285
	0754	100	86.51	6.45	1.68	38.3	2.20	23.58	273
	0758	120	86.51	6.45	1.68	30.2	2.17	23.80	269
	0802	140	86.51	6.46	1.68	34.1	2.14	23.82	269
	0806	160	86.51	6.47	1.67	23.7	2.15	23.84	268
	0810	180	86.51	6.46	1.67	91.4	2.10	23.80	265

Volume Purged Prior to Sample Collection: 180 Depth to Water during Sample Collection: 86.51

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Level IV

5 gpm

OU3-19M-M-032312

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-17s

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/23/12

Project Number: 0096498.032 Sample Time: 0852

Screened Interval: 70-120 Initial Depth to Water (ft): 83.73

Measured Well Depth (ft): 120 Length of Water Column (ft): 36.27

Well Inner Diameter (in): 4" 1 Well Volume (gal): 24 x 3 = 72

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/23	0836	0	83.83	6.53	1.32	199	4.06	24.20	296
	0838	10	85.50	6.38	1.31	160	3.73	24.70	299
	0840	20	85.50	6.35	1.30	82.5	3.41	25.14	290
	0842	30	85.50	6.38	1.30	79.9	3.39	25.10	288
	0844	40	85.50	6.38	1.30	72.1	3.30	25.18	287
	0846	50	85.50	6.37	1.30	69.9	3.31	25.16	287
	0848	60	85.50	6.37	1.30	61.4	3.29	25.04	286
	0850	70	85.50	6.38	1.31	55.4	3.18	25.21	283
	0852	75	85.50	6.39	1.32	50.1	3.16	25.27	283

Volume Purged Prior to Sample Collection: 75 Depth to Water during Sample Collection: 85.50

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 5 gpm

003-17s-S-032312

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3 - 13D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/23/12

Project Number: 0096498.032 Sample Time: ~~1039~~ 1039

Screened Interval: 244.7 - 250 Initial Depth to Water (ft): 87.73

Measured Well Depth (ft): 250 Length of Water Column (ft): 162.27

Well Inner Diameter (in): 4" 1 Well Volume (gal): 106 x 3 = 318

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/23	1007	0	86.63	6.58	2.08	39.8	4.70	24.35	341
	1011	40	142.70	6.86	1.87	10.8	4.29	24.34	324
	1015	80	153.12	6.89	1.85	11.4	4.24	24.43	315
	1019	120	154.96	6.89	1.85	8.2	4.71	24.45	314
	1023	160	156.91	6.91	1.87	4.3	4.43	24.52	304
	1027	200	157.99	6.91	1.86	3.8	4.26	24.61	299
	1031	240	159.01	6.91	1.85	2.7	4.16	24.65	291
	1035	280	159.67	6.92	1.84	1.7	4.08	24.77	287
	1039	320	159.97	6.91	1.86	2.3	4.01	24.83	285

Volume Purged Prior to Sample Collection: 320 Depth to Water during Sample Collection: 159.97

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

—

10 gpm

OU3-13D-D-032312

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-22S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/23/12

Project Number: 0096498.032 Sample Time: 1312

Screened Interval: – Initial Depth to Water (ft): 90.54

Measured Well Depth (ft): 110 Length of Water Column (ft): 19.46

Well Inner Diameter (in): 4" 1 Well Volume (gal): 20 x 3 = 60

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nazik Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/23	1300	0	90.12	6.84	2.24	126	5.57	28.80	271
	1302	10	90.81	6.78	2.10	83.0	5.80	27.97	268
	1304	20	90.81	6.78	2.11	18.8	4.88	26.90	258
	1306	30	90.81	6.77	2.11	16.1	4.95	26.87	257
	1308	40	90.81	6.77	2.10	10.4	4.89	26.90	257
	1310	50	90.81	6.78	2.11	5.8	4.80	26.81	255
	1312	60	90.81	6.78	2.12	3.6	4.84	26.74	253

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 90.81

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Dup EW-22S-S-032312-Q1 Bjm

Rinsate GW-EB-8-032312 1313

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/28/12

Project Number: 0087498.03 Sample Time: 0820

Screened Interval: 196-276 Initial Depth to Water (ft): 85.45

Measured Well Depth (ft): 230 Length of Water Column (ft): 144.55

Well Inner Diameter (in): 4" 1 Well Volume (gal): 94 x 3 = 282

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/28	0752	0	85.70	6.92	1.37	61.5	3.12	22.36	355
	0756	40	90.60	7.00	1.25	13.4	1.71	23.49	342
	0800	80	90.60	7.02	1.28	8.7	1.50	23.67	335
	0804	120	90.60	6.93	1.27	5.6	1.40	23.81	318
	0808	160	90.60	7.12	1.27	3.6	1.48	23.75	300
	0812	200	90.60	7.19	1.27	4.1	1.53	23.83	296
	0816	240	90.60	6.97	1.27	3.7	1.48	23.82	302
	0820	280	90.60	6.98	1.27	1.1	1.46	23.82	306

Volume Purged Prior to Sample Collection: 282 Depth to Water during Sample Collection: 90.60

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: 10,pm

—

OU3-11M2-M-032612

RM®

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/26/12

Project Number: ~~0059~~ 0086498.032 Sample Time: 0918

Screened Interval: 153-173 Initial Depth to Water (ft): 85.65

Measured Well Depth (ft): 178 Length of Water Column (ft): 92.35

Well Inner Diameter (in): 4" 1 Well Volume (gal): 60 x 3 = 180

Water Volume/ft. for:

1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
	0843	0	85.90	6.75	1.21	92.7	1.96	24.12	358
	0847	20	86.96	6.77	1.21	51.9	1.25	25.10	341
	0851	40	86.96	6.80	1.21	27.4	1.19	25.11	299
	0855	60	86.96	6.83	1.22	13.1	1.12	25.09	286
	0859	80	86.96	6.89	1.22	10.8	1.15	25.14	270
	0903	100	86.96	7.03	1.38	9.9	1.22	25.14	245
	0907	120	86.96	6.93	1.39	6.4	1.23	25.13	246
	0910	140	86.96	6.93	1.42	5.8	1.25	25.12	247
	0914	160	86.96	6.91	1.40	4.3	1.21	25.12	248
	0918	180	86.96	6.90	1.40	3.7	1.22	25.10	248

Volume Purged Prior to Sample Collection: 180 Depth to Water during Sample Collection: 86.96

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: – 5gpm

OU3-11M-M-032L12

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-115

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/26/12

Project Number: Sample Time: 1013

Screened Interval: 69-119 Initial Depth to Water (ft): 85.54

Measured Well Depth (ft): 123 Length of Water Column (ft): 37.46

Well Inner Diameter (in): 4" 1 Well Volume (gal): 25 x 3 = 75

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/26	0957	0	85.90	6.51	1.32	713	4.35	24.22	340
	0959	10	86.02	6.41	1.25	150	5.67	24.30	321
	1001	20	86.02	6.42	1.35	53.1	5.61	24.32	320
	1003	30	86.02	6.43	1.35	22.9	5.53	24.36	319
	1005	40	86.02	6.45	1.34	12.7	5.29	25.39	316
	1007	50	86.02	6.47	1.34	5.9	4.92	25.40	310
	1009	60	86.02	6.50	1.34	1.4	4.84	25.41	308
	1011	70	86.02	6.51	1.34	1.6	4.70	25.42	307
	1013	80	86.02	6.52	1.34	0.5	4.69	25.44	305

Volume Purged Prior to Sample Collection: 80 Depth to Water during Sample Collection: 86.02

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: SSM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: BE-MW-8

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/26/12

Project Number: 0196498.032 Sample Time: 1310

Screened Interval: 75-105 Initial Depth to Water (ft): 82.97

Measured Well Depth (ft): 105 Length of Water Column (ft): 22.03

Well Inner Diameter (in): 4" 1 Well Volume (gal): 15 x 3 = 45

Water Volume/ft. for:

1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/26	1300	0	83.56	6.48	1.41	73.2	1.05	24.46	344
	1302	10	83.69	6.49	1.41	10.2	0.95	24.41	337
	1304	20	83.69	6.50	1.41	8.1	0.82	24.39	322
	1306	30	83.69	6.54	1.41	7.3	0.70	24.36	316
	1308	40	83.69	6.55	1.41	5.8	0.67	24.37	312
	1310	50	83.69	6.56	1.41	2.3	0.65	24.39	311

Volume Purged Prior to Sample Collection: 50 Depth to Water during Sample Collection: 83.69

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

MS/MSD

BE-MW-8-S-032612-MS/MSD

Rinsate ~~BE~~ GW-EB9-032612 1311

3 SPM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-21

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/27/12

Project Number: 0207498.02 Sample Time: 0750

Screened Interval: 58-108 Initial Depth to Water (ft): 91.25

Measured Well Depth (ft): 108 Length of Water Column (ft): 16.75

Well Inner Diameter (in): 4" 1 Well Volume (gal): 11 x 3 = 33

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nyla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/27	0742	0	91.70	6.53	2.02	145	5.34	20.50	387
	0744	10	91.89	6.45	2.15	102	3.10	22.68	275
	0746	20	91.89	6.46	2.22	89.9	3.08	23.91	260
	0748	30	91.89	6.45	2.39	73.8	2.91	24.12	259
	0750	40	91.89	6.45	2.41	53.4	2.87	24.59	258

Volume Purged Prior to Sample Collection: 40 Depth to Water during Sample Collection: 91.89

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

—

SSPA

EW-21-S-032712

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/27/12

Project Number: 0096498.032 Sample Time: 0927

Screened Interval: 235 - 255 Initial Depth to Water (ft): 81.28

Measured Well Depth (ft): 265 Length of Water Column (ft): 173.72

Well Inner Diameter (in): 4" 1 Well Volume (gal): 113 x 3 = 339

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagl Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/27	0852	0	81.67	6.58	3.03	33.1	3.21	23.03	380
	0856	40	83.95	6.51	3.18	27.2	2.40	23.56	378
	0900	80	83.95	6.60	3.18	12.7	2.21	23.66	373
	0904	120	83.95	6.63	3.19	5.8	2.21	23.55	369
	0908	160	83.95	6.63	3.18	3.1	2.24	23.75	369
	0912	200	83.95	6.64	3.18	2.7	2.17	23.76	368
	0916	240	83.95	6.66	3.14	3.3	2.11	23.74	366
	0920	280	83.95	6.64	3.13	3.5	2.07	23.83	367
	0924	320	83.95	6.64	3.13	2.8	2.05	23.84	367
	0927	350	83.95	6.62	3.12	1.7	2.06	23.88	366

Volume Purged Prior to Sample Collection: 350 Depth to Water during Sample Collection: 83.95

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

10 gpm

OU3-1D-D-032712

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-13M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/23/2012

Project Number: 0096498.032 Sample Time: 1239

Screened Interval: 154.7~174.7 Initial Depth to Water (ft): 90.48

Measured Well Depth (ft): 174.7 Length of Water Column (ft): 84.22

Well Inner Diameter (in): 4" 1 Well Volume (gal): 55 x 3 = 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/23	1205	0	90.37	6.73	2.66	6.3	2.35	27.13	309
	1209	20	94.15	6.81	2.76	37.3	1.85	26.20	269
	1213	40	94.15	6.81	2.75	25.0	2.01	26.18	260
	1217	60	94.15	6.80	2.74	16.9	2.36	26.34	261
	1221	80	94.15	6.82	2.75	8.3	2.50	26.39	254
	1225	100	94.15	6.81	2.74	7.1	2.49	26.38	253
	1229	120	94.15	6.82	2.74	6.7	2.35	26.43	249
	1233	140	94.15	6.82	2.75	3.8	2.31	26.55	249
	1237	160	94.15	6.82	2.75	1.7	2.30	26.61	248
	1239	165	94.15	6.81	2.76	1.3	2.28	26.69	247

Volume Purged Prior to Sample Collection: 165 Depth to Water during Sample Collection: 94.15

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

5 gpm

–

OU3-13M-M-032312

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 3/27/12

Project Number: 0096198.032 Sample Time: 1020

Screened Interval: 140-160 Initial Depth to Water (ft): 91.14

Measured Well Depth (ft): 160 Length of Water Column (ft): 68.86

Well Inner Diameter (in): 4" 1 Well Volume (gal): 45 x 3 = 135

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
3/27	0952	0	91.33	6.84	2.75	32.8	5.74	23.60	371
	0956	20	91.41	6.61	2.35	10.4	5.53	24.80	360
	1000	40	91.41	6.61	2.35	9.8	5.48	24.82	358
	1004	60	91.41	6.61	2.35	2.2	5.34	24.84	356
	1008	80	91.41	6.62	2.35	3.8	5.26	24.88	346
	1012	100	91.41	6.62	2.35	2.7	5.02	24.92	336
	1016	120	91.41	6.63	2.36	6.7	4.92	24.96	329
	1020	140	91.41	6.63	2.36	1.2	4.90	25.01	327

Volume Purged Prior to Sample Collection: 140 Depth to Water during Sample Collection: 91.41

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks:

Level IV

6 spm

OU3-1M-M-032712

March 2012 Sampling Event
Draft - Groundwater Elevations Summary
Operable Unit 3 Study Area
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone	DTW (ft bgs) Date: 3/13/12	DTW (ft bgs) 9/8/2011	PID	TOC (ft amsl)	Top of screen (ft bgs)	Bottom of Screen (ft bgs)	Total Depth (ft bgs)	Well Diameter (inches)	9/8/2011 TCE (ug/L)	QA/QC	Notes
BE-MW-8	U-SRG	82.97	85.48	0.1	1076.35	76	105	105	4	0.61	MS/MSD	
DT-DW-5 ✓	U-SRG	85.86	89.28	0.0	1077.9	59	99	99	2	< 0.50		baller
EWOU3-10S-R	U-SRG	94.88	98.82	0.0	1081.62	80	100	102	4	14		baller
EW-13-11S ✓	U-SRG		85.52		1092.71	114.5	119.5	309	4	< 0.50	Field Blank ✓	
EW-13-16S ✓	L-SRG		85.51		1092.71	164.5	169.5	–	4	< 0.50		
EW-13-22S ✓	Basin Fill		83.64		1092.71	224.5	229.5	–	4	1.8	level 4 ✓	
EW-13-26S ✓	Basin Fill		83.09		1092.71	264.5	269.5	–	4	< 0.50		
EW-19D	Basin Fill	77.90	79.83	0.0	1087.34	247	267	270	4	< 0.50		
EW-19S	U-SRG	85.73	85.87	0.0	1087.32	57	107	112	4	9.8		
EW-20	U-SRG	92.15	92.47	0.1	1091.38	59	109	109	4	26		
EW-21	U-SRG	91.25	91.4	0.0	1094.24	58	108	108	4	1.9		
EW-22S	U-SRG	90.54		0.0				110			duplicate	Just east of OU3-13M near SVMW-3
IN-MW-1	U-SRG	89.24	88.57	0.1	1088.38	70	90	90	4	n/a		usually dry
SC-MW-1D	U-SRG	86.46	88.35	0.0	1092.39	83	123	125	4	1.6		
SC-MW-7	U-SRG		ng		1091.25	45.5	90.5	91	4	n/a		abandoned
OU3-1D	Basin Fill	81.28	83.32	0.0	1093.09	235	255	259	4	< 0.50		
OU3-1M	L-SRG	91.14	91.03	0.0	1093.3	140	160	162	4	4.9	level 4	
OU3-2M	L-SRG	85.95	88.08	0.1	1087.997	150	170	175	4	26	MS/MSD	
OU3-4S	U-SRG	91.03	90.52	0.0	1094.74	59.2	110	110	4	< 0.50		
OU3-6D	Basin Fill	84.45	86.57	0.0	1083.77	230	250	261	4	< 0.50		
OU3-6M	L-SRG	87.78	89.35	0.0	1083.66	152	172	172.5	4	0.59		
OU3-7M2	L-SRG	87.55	87.7	0.0	1085.59	195	215	221	4	1.1	duplicate	

March 2012 Sampling Event
Draft - Groundwater Elevations Summary
Operable Unit 3 Study Area
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone	DTW (ft bgs) Date:	DTW (ft bgs) 9/8/2011	PID	TOC (ft amsl)	Top of screen (ft bgs)	Bottom of Screen (ft bgs)	Total Depth (ft bgs)	Well Diameter (inches)	9/8/2011 TCE (ug/L)	QA/QC	Notes
OU3-7S	U-SRG	87.52	87.62	0.0	1085.29	60	110	112	4	< 0.50		
OU3-8D	Basin Fill	~~90.62~~ 87.09	90.8	0.2	1080	260.5	270	273	4	< 0.50		DTW = 87.09
OU3-8M2	L-SRG	90.40	92.9	0.0	1080.39	205.5	225.6	228	4	7.1	level 4	
OU3-8S	U-SRG	90.62	93.13	0.0	1080.05	59.9	110.5	110.5	4	8.1		
OU3-9S	U-SRG	90.23	91.97	0.0	1080.55	59.8	110.2	110.5	4	< 0.50		
OU3-5M2	L-SRG	90.52	91.8	0.1	1087.24	202.7	222.7	253?	4	75		
OU3-9M2	L-SRG	90.12	89.91	0.0	1080.74	219.7	229.7	235	4	1.8	level 4	
OU3-10M	L-SRG	94.77	96.7	0.0	1082.25	146.7	166.7	170	4	9.7		
OU3-10M2	L-SRG	94.62	96.89	0.0	1082.29	199.2	219.2	225	4	38	duplicate	
OU3-11M	L-SRG	85.65	88.54	0.1	1078.25	153.7	173.7	178	4	< 0.50		
OU3-11M2	L-SRG	85.45	88.39	0.2	1078.05	198.7	218.7	230	4	< 0.50		
OU3-11S	U-SRG	85.54	88.48	0.0	1078.26	69.7	119.7	123	4	< 0.50		
OU3-12D	Basin Fill	80.63	81.54	0.0	1090.77	245.6	265.6	398	4	< 0.50		
OU3-12M	L-SRG	85.52	85.45	0.0	1090.79	146.7	166.7	170	4	1.6	level 4	
OU3-13D	Basin Fill	87.73	88.10	0.0	1095.71	224.7	244.7	250	4	< 0.50		
OU3-13M	L-SRG	90.48	90.34	0.0	1095.75	154.7	174.7	175	4	25		
OU3-14D	Basin Fill	82.50	83.18	0.0	1099.14	231.2	251.2	251.5	4	< 0.50		Pumps dry
OU3-14M	L-SRG	91.83	91.3	0.0	1099.05	145.7	165.7	168	4	< 0.50	level 4	
OU3-5DR	Basin Fill	85.42		0.0	1087.35	232.7	252.7	253	4	< 0.50		
OU3-5MR	L-SRG	90.63		0.0	1087.37	148.7	168.7	169	4	52		
OU3-5SR	U-SRG	90.45		0.0	1087.28	69.7	119.7	120	4	23		
OU3-10S	U-SRG	94.39	98.58	0.0	1081.9	75	125	125	4	6.2		

March 2012 Sampling Event
Draft - Groundwater Elevations Summary
Operable Unit 3 Study Area
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone	DTW (ft bgs) Date:	DTW (ft bgs) 9/8/2011	PID	TOC (ft amsl)	Top of screen (ft bgs)	Bottom of Screen (ft bgs)	Total Depth (ft bgs)	Well Diameter (inches)	9/8/2011 TCE (ug/L)	QA/QC	Notes
OU3-16S	U-SRG	94.04	97.6	0.1	1082.19	75	125	125	4	39		
OU3-16M	L-SRG	94.26	97.76	0.0	1082.25	160	180	180	4	120	duplicate	
OU3-17S	U-SRG	83.73	84.6	0.2	1082.22	70	120	120	4	2.9		
OU3-19M	L-SRG	85.86	85.71	0.0	1091.21	150	170	170	4	66	level 4	
OU3-20S	U-SRG	88.68	88.24	0.0	1100.2	65	115	115	4	1.6	MS/MSD	
OU3-20M	L-SRG	88.81	88.35	0.0	1100.12	160	180	180	4	< 0.50		

NG = not gauged on March 12 ro 13, 2012
One field blank on day 1
Equipment rinsate each day
PE sample submittal

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-2M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 4/10/12

Project Number: 0096498.032 Sample Time: 0802

Screened Interval: Initial Depth to Water (ft): 86.40

Measured Well Depth (ft): 176 Length of Water Column (ft): 83.60

Well Inner Diameter (in): 4" 1 Well Volume (gal): 55x3 = 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nayla Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
4/10	0728	0	86.35	7.02	1.54	313	7.65	23.77	193
	0732	20	86.55	6.46	1.57	310	6.61	25.25	201
	0736	40	86.55	6.49	1.56	47.7	6.51	25.31	214
	0740	60	86.55	6.50	1.56	32.7	6.40	25.42	219
	0744	80	86.55	6.50	1.56	12.8	6.37	25.36	220
	0748	100	86.55	6.50	1.56	10.3	6.01	25.37	225
	0752	120	86.55	6.51	1.55	11.2	5.96	25.41	227
	0756	140	86.55	6.51	1.55	11.1	5.87	25.43	224
	0800	160	86.55	6.51	1.55	10.6	5.83	25.40	225
	0802	170	86.55	6.51	1.55	9.3	5.80	25.44	223

Volume Purged Prior to Sample Collection: 170 Depth to Water during Sample Collection: 86.55

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: ~~OU3-2S-3~~ 5gpm

OU3-2M-M-041012-MS/MSD

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-20S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 4/10/12

Project Number: 0096498.032 Sample Time: 0938

Screened Interval: Initial Depth to Water (ft): 89.30

Measured Well Depth (ft): 115 Length of Water Column (ft): 25.7

Well Inner Diameter (in): 4" 1 Well Volume (gal): 17x3=51

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Nyle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba

Sampling Method/Equipment: Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppt)	Temperature (C)	ORP (mV)
4/10	0830	0	89.33	6.44	1.26	500	4.48	26.54	274
	0932	20	91.25	6.45	1.26	368	4.46	26.60	270
	0934	30	91.30	6.44	1.27	152	4.47	26.57	264
	0936	40	91.30	6.47	1.27	76.1	4.45	26.53	261
	0938	60	91.30	6.49	1.27	49.9	4.42	26.52	255

Volume Purged Prior to Sample Collection: Depth to Water during Sample Collection:

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL VOA x 3	HCl
1,4-Dioxane	1L Amber x 1	–

Remarks: Rinsate GW-EBG-041012

10 SPM

OU3-20S-S-041012-MS/MSD

Appendix B
Laboratory Analytical Results
(Level IV Data on CD)

UNSCANNABLE MEDIA

To use the unscannable media document # 2287321
contact the Region IX Superfund Records Center

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3(AZ)

Sampled: 03/12/12
Received: 03/12/12
Revised: 04/06/12 16:24

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC0817-01	EW-13-118-031212-R1	Water
PVC0817-02	EW-13-118-031212	Water
PVC0817-03	EW-13-168-031212	Water
PVC0817-04	EW-13-268-031212	Water
PVC0817-05	EW-13-118-031212-EB	Water
PVC0817-06	DT-DW-5-031212	Water

TestAmerica Phoenix

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

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice 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.
N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-8270-onlyThe Surrogate and Internal Standard 1,4-Dioxane-d8 recovery was below acceptance limits. The recoveries in the Laboratory Control Samples were acceptable.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-01 (EW-13-118-031212-R1 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	**2.2**	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	**8.9**	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	**1.1**	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-01 (EW-13-118-031212-R1 - Water) - cont.								N1a
Reporting Units: ng/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*94 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-02 (EW-13-118-031212 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-02 (EW-13-118-031212 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-03 (EW-13-168-031212 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-03 (EW-13-168-031212 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-04 (EW-13-268-031212 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	**2.3**	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	**9.3**	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	**1.3**	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-04 (EW-13-268-031212 - Water) - cont.								N1a
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	I	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*104 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-05 (EW-13-118-031212-EB - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	**2.4**	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	**9.5**	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	**1.3**	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Sampled: 03/12/12
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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-05 (EW-13-118-031212-EB - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*104 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-06 (DT-DW-5-031212 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	**0.61**	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-06 (DT-DW-5-031212 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1b
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*105 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0817-02 (EW-13-118-031212 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0683	1.0	ND	1	3/15/2012	3/19/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*57 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*77 %*				
Sample ID: PVC0817-03 (EW-13-168-031212 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0683	1.0	ND	1	3/15/2012	3/19/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*58 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*74 %*				
Sample ID: PVC0817-04 (EW-13-268-031212 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0683	1.2	ND	1.21	3/15/2012	3/19/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*60 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*71 %*				
Sample ID: PVC0817-06 (DT-DW-5-031212 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0683	1.0	**1.0**	1	3/15/2012	3/19/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*70 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*98 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Blank Analyzed: 03/19/2012 (12C0766-BLK1)										**N1a**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1 0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0 50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0 50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0 50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0 50	ug/l							
1,3-Dichloropropane	ND	0 50	ug/l							
2,2-Dichloropropane	ND	1 0	ug/l							

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Blank Analyzed: 03/19/2012 (12C0766-BLK1)										N1a
1,1-Dichloropropene	ND	0 50	ug/l							
cis-1,3-Dichloropropene	ND	0 50	ug/l							
trans-1,3-Dichloropropene	ND	0 50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1 0	ug/l							
2-Hexanone	ND	2 5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0 50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0 50	ug/l							
Tetrachloroethene	ND	0 50	ug/l							
Toluene	ND	0 50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1 0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1 0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1 0	ug/l							
Freon 113	ND	2 0	ug/l							
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25 0*		*98*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Analyzed: 03/19/2012 (12C0766-BS1)										N1a
Acetone	38.4	10	ug/l	25.0		154	10-150			*L3*
Benzene	24.5	0.50	ug/l	25.0		98	80-120			
Bromobenzene	26 4	0 50	ug/l	25.0		106	80-120			
Bromochloromethane	27.0	0.50	ug/l	25.0		108	80-125			
Bromodichloromethane	27.2	0.50	ug/l	25 0		109	80-120			
Bromoform	25.2	1.0	ug/l	25.0		101	75-130			
Bromomethane	24.7	1.0	ug/l	25.0		99	55-150			
2-Butanone (MEK)	28.4	2.5	ug/l	25 0		113	40-150			
n-Butylbenzene	27.7	0.50	ug/l	25.0		111	80-130			
sec-Butylbenzene	27.3	0.50	ug/l	25.0		109	80-125			
tert-Butylbenzene	26.4	0 50	ug/l	25 0		106	80-120			
Carbon disulfide	24.5	1.0	ug/l	25 0		98	70-140			
Carbon tetrachloride	28.5	0.50	ug/l	25.0		114	75-130			
Chlorobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Chloroethane	22.7	1 0	ug/l	25.0		91	70-130			
Chloroform	24.4	0.50	ug/l	25.0		98	75-120			
Chloromethane	22.9	1.0	ug/l	25.0		91	60-140			
2-Chlorotoluene	25.3	0.50	ug/l	25.0		101	80-120			
4-Chlorotoluene	26.4	0.50	ug/l	25.0		105	80-120			
Dibromochloromethane	29.1	0 50	ug/l	25 0		116	80-120			
1,2-Dibromo-3-chloropropane	26 6	2 5	ug/l	25.0		106	50-150			
1,2-Dibromoethane (EDB)	28.2	0.50	ug/l	25.0		113	80-120			
Dibromomethane	28.0	0.50	ug/l	25.0		112	75-120			
1,2-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		109	80-120			
1,4-Dichlorobenzene	25.8	0.50	ug/l	25.0		103	80-120			
Dichlorodifluoromethane	21.7	0 50	ug/l	25 0		87	60-150			
1,1-Dichloroethane	24.2	0.50	ug/l	25.0		97	70-125			
1,2-Dichloroethane	27.5	0.50	ug/l	25.0		110	75-130			
1,1-Dichloroethene	22.6	0.50	ug/l	25.0		91	75-125			
cis-1,2-Dichloroethene	25.1	0.50	ug/l	25.0		100	80-120			
trans-1,2-Dichloroethene	25 3	0.50	ug/l	25.0		101	80-120			
1,2-Dichloropropane	24.6	0.50	ug/l	25.0		98	80-120			
1,3-Dichloropropane	26.3	0.50	ug/l	25 0		105	80-120			
2,2-Dichloropropane	28.5	1 0	ug/l	25.0		114	75-130			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Analyzed: 03/19/2012 (12C0766-BS1)										N1a
1,1-Dichloropropene	24 8	0 50	ug/l	25.0		99	75-120			
cis-1,3-Dichloropropene	26 4	0.50	ug/l	25 0		106	80-120			
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	80-125			
Ethylbenzene	26.9	0.50	ug/l	25.0		108	80-120			
Hexachlorobutadiene	26.3	1.0	ug/l	25.0		105	40-150			
2-Hexanone	34.8	2.5	ug/l	25 0		139	20-150			
Iodomethane	27 1	2.5	ug/l	25.0		109	80-130			
Isopropylbenzene	29.1	0.50	ug/l	25 0		116	80-130			
p-Isopropyltoluene	26 0	0 50	ug/l	25 0		104	80-130			
Methylene Chloride	24.2	1.0	ug/l	25.0		97	70-120			
4-Methyl-2-pentanone (MIBK)	27.8	2.5	ug/l	25.0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	25 2	0.50	ug/l	25 0		101	70-130			
Naphthalene	27 4	2.5	ug/l	25.0		110	40-150			
n-Propylbenzene	27.2	0.50	ug/l	25.0		109	75-130			
Styrene	27.6	0.50	ug/l	25.0		110	80-120			
1,1,1,2-Tetrachloroethane	27 9	0.50	ug/l	25 0		112	75-125			
1,1,2,2-Tetrachloroethane	28.7	0.50	ug/l	25.0		115	80-120			
Tetrachloroethene	25.8	0 50	ug/l	25.0		103	70-130			
Toluene	25.5	0.50	ug/l	25 0		102	80-120			
1,2,3-Trichlorobenzene	24.9	1 0	ug/l	25.0		100	55-150			
1,2,4-Trichlorobenzene	26.6	1 0	ug/l	25 0		106	50-150			
1,1,1-Trichloroethane	27.0	0.50	ug/l	25.0		108	75-125			
1,1,2-Trichloroethane	27 8	0.50	ug/l	25.0		111	80-120			
Trichloroethene	25 6	0.50	ug/l	25.0		102	80-120			
Trichlorofluoromethane	29.1	0 50	ug/l	25.0		116	70-150			
1,2,3-Trichloropropane	28.5	1.0	ug/l	25.0		114	70-130			
1,2,4-Trimethylbenzene	26.1	0.50	ug/l	25.0		105	80-120			
1,3,5-Trimethylbenzene	26.5	0 50	ug/l	25 0		106	80-130			
Vinyl Acetate	27.9	1.0	ug/l	25.0		112	40-150			
Vinyl chloride	21 4	0.50	ug/l	25.0		86	70-130			
Xylenes, Total	52.5	1.0	ug/l	50.0		105	60-140			
Freon 113	25 6	2 0	ug/l	25.0		102	60-140			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-125*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Dup Analyzed: 03/19/2012 (12C0766-BSD1)										N1a
Acetone	40.6	10	ug/l	25.0		162	10-150	6	35	*L3*
Benzene	26.2	0.50	ug/l	25.0		105	80-120	6	15	
Bromobenzene	27.0	0.50	ug/l	25.0		108	80-120	2	15	
Bromochloromethane	27 4	0.50	ug/l	25 0		110	80-125	2	15	
Bromodichloromethane	27 8	0.50	ug/l	25 0		111	80-120	2	15	
Bromoform	26.2	1 0	ug/l	25.0		105	75-130	4	20	
Bromomethane	26.2	1.0	ug/l	25 0		105	55-150	6	20	
2-Butanone (MEK)	31.0	2.5	ug/l	25 0		124	40-150	9	35	
n-Butylbenzene	27.3	0.50	ug/l	25.0		109	80-130	1	15	
sec-Butylbenzene	26 8	0.50	ug/l	25 0		107	80-125	2	15	
tert-Butylbenzene	27.2	0 50	ug/l	25.0		109	80-120	3	15	
Carbon disulfide	24.3	1.0	ug/l	25.0		97	70-140	0 6	15	
Carbon tetrachloride	29.5	0.50	ug/l	25.0		118	75-130	4	20	
Chlorobenzene	25.8	0.50	ug/l	25.0		103	80-120	2	15	
Chloroethane	23.9	1.0	ug/l	25.0		95	70-130	5	15	
Chloroform	25 2	0.50	ug/l	25 0		101	75-120	3	15	
Chloromethane	23.8	1.0	ug/l	25 0		95	60-140	4	20	
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	80-120	2	15	
4-Chlorotoluene	26 4	0 50	ug/l	25.0		106	80-120	0.2	15	
Dibromochloromethane	29.6	0.50	ug/l	25.0		118	80-120	2	15	
1,2-Dibromo-3-chloropropane	26.8	2 5	ug/l	25 0		107	50-150	0 7	35	
1,2-Dibromoethane (EDB)	28.9	0.50	ug/l	25.0		116	80-120	3	15	
Dibromomethane	29 4	0.50	ug/l	25.0		118	75-120	5	15	
1,2-Dichlorobenzene	27.5	0 50	ug/l	25 0		110	80-120	3	15	
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		109	80-120	0.04	15	
1,4-Dichlorobenzene	26 4	0.50	ug/l	25.0		106	80-120	2	15	
Dichlorodifluoromethane	21.1	0.50	ug/l	25.0		84	60-150	3	30	
1,1-Dichloroethane	24.6	0.50	ug/l	25.0		98	70-125	1	15	
1,2-Dichloroethane	28.2	0.50	ug/l	25.0		113	75-130	2	15	
1,1-Dichloroethene	24.1	0.50	ug/l	25 0		96	75-125	6	20	
cis-1,2-Dichloroethene	26.2	0.50	ug/l	25.0		105	80-120	4	15	
trans-1,2-Dichloroethene	25.8	0.50	ug/l	25.0		103	80-120	2	15	
1,2-Dichloropropane	25.1	0.50	ug/l	25.0		100	80-120	2	15	
1,3-Dichloropropane	27.4	0.50	ug/l	25.0		110	80-120	4	15	
2,2-Dichloropropane	28.9	1.0	ug/l	25.0		116	75-130	1	15	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Dup Analyzed: 03/19/2012 (12C0766-BSD1)										**N1a**
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-120	1	15	
cis-1,3-Dichloropropene	27.1	0.50	ug/l	25.0		108	80-120	2	15	
trans-1,3-Dichloropropene	27.4	0.50	ug/l	25.0		110	80-125	3	15	
Ethylbenzene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
Hexachlorobutadiene	26.1	1.0	ug/l	25.0		104	40-150	0.6	35	
2-Hexanone	35.2	2.5	ug/l	25.0		141	20-150	1	35	
Iodomethane	28.3	2.5	ug/l	25.0		113	80-130	4	10	
Isopropylbenzene	29.6	0.50	ug/l	25.0		118	80-130	2	15	
p-Isopropyltoluene	25.8	0.50	ug/l	25.0		103	80-130	0.9	15	
Methylene Chloride	25.2	1.0	ug/l	25.0		101	70-120	4	15	
4-Methyl-2-pentanone (MIBK)	29.2	2.5	ug/l	25.0		117	60-135	5	25	
Methyl-tert-butyl Ether (MTBE)	26.4	0.50	ug/l	25.0		106	70-130	5	20	
Naphthalene	27.8	2.5	ug/l	25.0		111	40-150	1	30	
n-Propylbenzene	27.4	0.50	ug/l	25.0		109	75-130	0.4	15	
Styrene	27.0	0.50	ug/l	25.0		108	80-120	2	15	
1,1,1,2-Tetrachloroethane	27.6	0.50	ug/l	25.0		111	75-125	0.9	15	
1,1,2,2-Tetrachloroethane	30.2	0.50	ug/l	25.0		121	80-120	5	20	*L3*
Tetrachloroethene	25.9	0.50	ug/l	25.0		103	70-130	0.2	20	
Toluene	26.7	0.50	ug/l	25.0		107	80-120	4	15	
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	55-150	3	35	
1,2,4-Trichlorobenzene	26.9	1.0	ug/l	25.0		108	50-150	1	30	
1,1,1-Trichloroethane	27.6	0.50	ug/l	25.0		110	75-125	2	15	
1,1,2-Trichloroethane	29.5	0.50	ug/l	25.0		118	80-120	6	15	
Trichloroethene	25.6	0.50	ug/l	25.0		102	80-120	0.1	15	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0		120	70-150	3	25	
1,2,3-Trichloropropane	30.2	1.0	ug/l	25.0		121	70-130	6	20	
1,2,4-Trimethylbenzene	25.7	0.50	ug/l	25.0		103	80-120	2	15	
1,3,5-Trimethylbenzene	26.7	0.50	ug/l	25.0		107	80-130	0.7	15	
Vinyl Acetate	29.5	1.0	ug/l	25.0		118	40-150	6	25	
Vinyl chloride	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Xylenes, Total	52.2	1.0	ug/l	50.0		104	60-140	0.6	15	
Freon 113	26.1	2.0	ug/l	25.0		104	60-140	2	15	
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Analyzed: 03/19/2012 (12C0766-MS1)					**Source: PVC0817-01**					**N1a**
Acetone	20.0	10	ug/l	25.0	ND	80	10-150			
Benzene	27.0	0.50	ug/l	25.0	ND	108	70-125			
Bromobenzene	26.9	0.50	ug/l	25 0	ND	108	75-120			
Bromochloromethane	28.1	0 50	ug/l	25.0	ND	112	75-130			
Bromodichloromethane	31.5	0.50	ug/l	25.0	2.16	117	75-125			
Bromoform	23.1	1 0	ug/l	25.0	ND	92	65-125			
Bromomethane	24.8	1.0	ug/l	25.0	ND	99	45-150			
2-Butanone (MEK)	21.0	2.5	ug/l	25.0	ND	84	15-150			
n-Butylbenzene	26.2	0 50	ug/l	25.0	ND	105	70-130			
sec-Butylbenzene	25.9	0.50	ug/l	25.0	ND	104	70-125			
tert-Butylbenzene	27.1	0.50	ug/l	25.0	ND	108	70-125			
Carbon disulfide	24.8	1 0	ug/l	25.0	ND	99	65-145			
Carbon tetrachloride	29 7	0.50	ug/l	25.0	ND	119	65-135			
Chlorobenzene	26.2	0 50	ug/l	25.0	ND	105	75-120			
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	65-140			
Chloroform	36.4	0.50	ug/l	25.0	8.91	110	70-130			
Chloromethane	21.9	1.0	ug/l	25.0	ND	88	55-145			
2-Chlorotoluene	25.9	0.50	ug/l	25.0	ND	104	70-125			
4-Chlorotoluene	26.3	0.50	ug/l	25 0	ND	105	70-125			
Dibromochloromethane	30.0	0.50	ug/l	25.0	1.08	116	70-130			
1,2-Dibromo-3-chloropropane	21.5	2.5	ug/l	25 0	ND	86	50-150			
1,2-Dibromoethane (EDB)	26.4	0.50	ug/l	25.0	ND	106	70-125			
Dibromomethane	29.1	0.50	ug/l	25.0	ND	116	70-120			
1,2-Dichlorobenzene	27 2	0.50	ug/l	25 0	ND	109	75-120			
1,3-Dichlorobenzene	26 7	0.50	ug/l	25.0	ND	107	75-120			
1,4-Dichlorobenzene	26.5	0.50	ug/l	25.0	ND	106	70-125			
Dichlorodifluoromethane	20 8	0.50	ug/l	25.0	ND	83	60-150			
1,1-Dichloroethane	26.0	0 50	ug/l	25 0	ND	104	70-130			
1,2-Dichloroethane	29.5	0.50	ug/l	25.0	ND	118	65-140			
1,1-Dichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130			
cis-1,2-Dichloroethene	27.0	0.50	ug/l	25.0	ND	108	70-125			
trans-1,2-Dichloroethene	27.0	0.50	ug/l	25 0	ND	108	75-125			
1,2-Dichloropropane	26 4	0.50	ug/l	25.0	ND	106	75-125			
1,3-Dichloropropane	26.8	0.50	ug/l	25.0	ND	107	70-120			
2,2-Dichloropropane	27.8	1.0	ug/l	25 0	ND	111	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Analyzed: 03/19/2012 (12C0766-MS1)					**Source: PVC0817-01**					**N1a**
1,1-Dichloropropene	25 3	0 50	ug/l	25 0	ND	101	65-130			
cis-1,3-Dichloropropene	28.0	0.50	ug/l	25 0	ND	112	75-130			
trans-1,3-Dichloropropene	28 2	0.50	ug/l	25.0	ND	113	70-130			
Ethylbenzene	26.9	0.50	ug/l	25.0	ND	108	70-125			
Hexachlorobutadiene	25 7	1.0	ug/l	25 0	ND	103	40-150			
2-Hexanone	21 9	2 5	ug/l	25.0	ND	87	20-150			
Iodomethane	28.8	2.5	ug/l	25.0	ND	115	60-150			
Isopropylbenzene	29 0	0 50	ug/l	25.0	ND	116	75-130			
p-Isopropyltoluene	26 0	0.50	ug/l	25.0	ND	104	70-130			
Methylene Chloride	25.3	1.0	ug/l	25 0	ND	101	65-130			
4-Methyl-2-pentanone (MIBK)	23.6	2.5	ug/l	25.0	ND	94	55-135			
Methyl-tert-butyl Ether (MTBE)	26 0	0.50	ug/l	25 0	ND	104	65-140			
Naphthalene	24 5	2.5	ug/l	25.0	ND	98	40-150			
n-Propylbenzene	26.7	0.50	ug/l	25 0	ND	107	70-130			
Styrene	27.0	0.50	ug/l	25.0	ND	108	55-135			
1,1,1,2-Tetrachloroethane	28 2	0.50	ug/l	25 0	ND	113	70-125			
1,1,2,2-Tetrachloroethane	26.0	0.50	ug/l	25.0	ND	104	70-125			
Tetrachloroethene	25 1	0.50	ug/l	25.0	ND	100	65-130			
Toluene	27.4	0.50	ug/l	25 0	ND	109	70-125			
1,2,3-Trichlorobenzene	24.8	1 0	ug/l	25 0	ND	99	50-150			
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	50-150			
1,1,1-Trichloroethane	28.5	0.50	ug/l	25.0	ND	114	70-130			
1,1,2-Trichloroethane	27 7	0.50	ug/l	25.0	ND	111	75-125			
Trichloroethene	27.0	0.50	ug/l	25.0	ND	108	70-125			
Trichlorofluoromethane	30 2	0 50	ug/l	25.0	ND	121	65-150			
1,2,3-Trichloropropane	26.0	1 0	ug/l	25.0	ND	104	70-130			
1,2,4-Trimethylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-125			
1,3,5-Trimethylbenzene	26.2	0.50	ug/l	25 0	ND	105	75-130			
Vinyl Acetate	27 1	1 0	ug/l	25 0	ND	108	40-150			
Vinyl chloride	20.7	0.50	ug/l	25 0	ND	83	60-140			
Xylenes, Total	52.4	1.0	ug/l	50.0	ND	105	75-120			
Freon 113	26.1	2 0	ug/l	25.0	ND	104	65-140			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-130*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Dup Analyzed: 03/19/2012 (12C0766-MSD1)					**Source: PVC0817-01**					**N1a**
Acetone	18.5	10	ug/l	25.0	ND	74	10-150	8	35	
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-125	8	25	
Bromobenzene	27.2	0.50	ug/l	25.0	ND	109	75-120	1	20	
Bromochloromethane	25.7	0.50	ug/l	25.0	ND	103	75-130	9	20	
Bromodichloromethane	30.0	0.50	ug/l	25.0	2.16	111	75-125	5	20	
Bromoform	23.9	1.0	ug/l	25 0	ND	96	65-125	3	25	
Bromomethane	24.2	1 0	ug/l	25 0	ND	97	45-150	2	35	
2-Butanone (MEK)	18.7	2.5	ug/l	25.0	ND	75	15-150	11	30	
n-Butylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-130	0.08	30	
sec-Butylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-125	2	30	
tert-Butylbenzene	26 6	0.50	ug/l	25.0	ND	107	70-125	2	25	
Carbon disulfide	22.8	1.0	ug/l	25.0	ND	91	65-145	8	25	
Carbon tetrachloride	28.9	0.50	ug/l	25.0	ND	116	65-135	3	25	
Chlorobenzene	25.6	0.50	ug/l	25 0	ND	102	75-120	2	20	
Chloroethane	21.5	1.0	ug/l	25 0	ND	86	65-140	5	25	
Chloroform	33 3	0 50	ug/l	25 0	8.91	98	70-130	9	20	
Chloromethane	21.8	1.0	ug/l	25 0	ND	87	55-145	0.5	35	
2-Chlorotoluene	25.7	0.50	ug/l	25 0	ND	103	70-125	0.7	25	
4-Chlorotoluene	26.5	0.50	ug/l	25.0	ND	106	70-125	0.6	25	
Dibromochloromethane	30.1	0.50	ug/l	25.0	1.08	116	70-130	0 4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	50-150	0 7	30	
1,2-Dibromoethane (EDB)	26 8	0 50	ug/l	25 0	ND	107	70-125	1	20	
Dibromomethane	27.2	0.50	ug/l	25 0	ND	109	70-120	7	20	
1,2-Dichlorobenzene	26 1	0.50	ug/l	25.0	ND	104	75-120	4	20	
1,3-Dichlorobenzene	26.5	0.50	ug/l	25.0	ND	106	75-120	0.9	25	
1,4-Dichlorobenzene	25 7	0.50	ug/l	25.0	ND	103	70-125	3	20	
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0	ND	83	60-150	0.5	30	
1,1-Dichloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	11	20	
1,2-Dichloroethane	26.7	0.50	ug/l	25.0	ND	107	65-140	10	20	
1,1-Dichloroethene	22.9	0 50	ug/l	25.0	ND	92	70-130	5	25	
cis-1,2-Dichloroethene	24.5	0.50	ug/l	25 0	ND	98	70-125	10	20	
trans-1,2-Dichloroethene	24 3	0.50	ug/l	25.0	ND	97	75-125	11	25	
1,2-Dichloropropane	25 0	0.50	ug/l	25.0	ND	100	75-125	5	20	
1,3-Dichloropropane	26.3	0.50	ug/l	25 0	ND	105	70-120	2	20	
2,2-Dichloropropane	25.7	1.0	ug/l	25.0	ND	103	65-140	8	25	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Dup Analyzed: 03/19/2012 (12C0766-MSD1)					**Source: PVC0817-01**					**N1a**
1,1-Dichloropropene	24 1	0.50	ug/l	25.0	ND	96	65-130	5	25	
cis-1,3-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	75-130	9	20	
trans-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-130	6	20	
Ethylbenzene	26.7	0.50	ug/l	25 0	ND	107	70-125	0 9	25	
Hexachlorobutadiene	25 2	1.0	ug/l	25.0	ND	101	40-150	2	30	
2-Hexanone	22.2	2.5	ug/l	25.0	ND	89	20-150	1	30	
Iodomethane	26.7	2.5	ug/l	25 0	ND	107	60-150	7	30	
Isopropylbenzene	29.0	0.50	ug/l	25.0	ND	116	75-130	0.1	25	
p-Isopropyltoluene	26 1	0.50	ug/l	25.0	ND	104	70-130	0.1	30	
Methylene Chloride	24 1	1 0	ug/l	25.0	ND	97	65-130	5	20	
4-Methyl-2-pentanone (MIBK)	22.8	2.5	ug/l	25.0	ND	91	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	23 2	0.50	ug/l	25.0	ND	93	65-140	11	25	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	40-150	0 2	30	
n-Propylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130	3	30	
Styrene	27.2	0.50	ug/l	25.0	ND	109	55-135	0.7	35	
1,1,1,2-Tetrachloroethane	28.4	0 50	ug/l	25.0	ND	114	70-125	0.9	20	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0	ND	101	70-125	3	25	
Tetrachloroethene	25.8	0.50	ug/l	25.0	ND	103	65-130	3	25	
Toluene	26 1	0 50	ug/l	25 0	ND	104	70-125	5	20	
1,2,3-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	50-150	0.2	35	
1,2,4-Trichlorobenzene	26 5	1 0	ug/l	25 0	ND	106	50-150	2	25	
1,1,1-Trichloroethane	26.6	0.50	ug/l	25.0	ND	106	70-130	7	25	
1,1,2-Trichloroethane	26.1	0.50	ug/l	25.0	ND	104	75-125	6	20	
Trichloroethene	24 8	0 50	ug/l	25.0	ND	99	70-125	8	25	
Trichlorofluoromethane	29 2	0.50	ug/l	25.0	ND	117	65-150	3	25	
1,2,3-Trichloropropane	25.5	1.0	ug/l	25 0	ND	102	70-130	2	25	
1,2,4-Trimethylbenzene	26 0	0.50	ug/l	25.0	ND	104	70-125	0.7	30	
1,3,5-Trimethylbenzene	26 7	0.50	ug/l	25 0	ND	107	75-130	2	25	
Vinyl Acetate	24 6	1.0	ug/l	25.0	ND	99	40-150	9	30	
Vinyl chloride	19.6	0.50	ug/l	25.0	ND	78	60-140	6	25	
Xylenes, Total	53.6	1.0	ug/l	50.0	ND	107	75-120	2	15	
Freon 113	25.1	2 0	ug/l	25.0	ND	100	65-140	4	20	
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0683 Extracted: 03/15/12										
Blank Analyzed: 03/19/2012 (12C0683-BLK1)										**N1a**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.4*		*ug/l*	*20.0*		*67*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*18.8*		*ug/l*	*20.0*		*94*	*59.9-120*			
LCS Analyzed: 03/19/2012 (12C0683-BS1)										**Q8, N1**
1,4-Dioxane	20.0	1.0	ug/l	20.0		100	80-120			
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.1*		*ug/l*	*20.0*		*105*	*38-125*			
LCS Dup Analyzed: 03/19/2012 (12C0683-BSD1)										**Q8, N1**
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	80-120	3	25	*N1a*
Surrogate: 1,4-Dioxane-d8	*1.86*		*ug/l*	*20.0*		*9*	*32-57*			*N1a*
Surrogate: Nitrobenzene-d5	*2.08*		*ug/l*	*20.0*		*10*	*38-125*			*N1a*

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Attention: Jason Hilker

Project ID: OU3(AZ)
Report Number: PVC0817

Sampled: 03/12/12
Received: 03/12/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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Chain of Custody Record

TAL-4124-280 (0508)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

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THE LEADER IN ENVIRONMENTAL TESTING

PVC0817

Client: ERM	Project Manager: Jason Hiller	Date: 3/12/12	Chain of Custody Number: 151808
Address: 7272 E Indian School Rd	Telephone Number (Area Code)/Fax Number: 480-998-2401	Lab Number:	Page 1 of 1
City: Scottsdale; State: AZ; Zip Code: 85251	Site Contact: Adam Nagle; Lab Contact: Kylie Emily		
Project Name and Location (State): OU3 (AZ)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 0096498			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC (8260B)	VH-Dicane (8270)		Special Instructions/ Conditions of Receipt
EW-13-118-031212-R1	3/12/12	0827		X						3			X		-01	
EW-13-118-031212	↓	1108		X			2			3			X	X	-02	EW-13-118-031212
EW-13-168-031212	↓	1021		X			2			3			X	X	-03	EW-13-168-031212
EW-13-268-031212	↓	0858		X			2			3			X	X	-04	
EW-13-118-031212-EB	↓	1109		X						3			X		-05	
DT-DW-5-031212	↓	1215		X			2			3			X	X	-06	

1.3°C

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

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STD

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature] / ERM	3/12/12	1240	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By: [signature]	3/12/12	1240

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 (AZ)

Sampled: 03/12/12
Received: 03/12/12
Revised: 04/06/12 10:50

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC0821-01	EW-13-228-031212	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

SAMPLE RECEIPT:	Samples were received intact, at 1°C, on ice 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. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. N1-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Report revised on 040612 to change narrative, and add N1a to samples.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0821-01 (EW-13-228-031212 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C0766	10	ND	1	3/19/2012	3/19/2012	L3
Benzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromodichloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Bromoform	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Bromomethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Butanone (MEK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
sec-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
tert-Butylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Carbon disulfide	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1a
Carbon tetrachloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloroethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Chloroform	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Chloromethane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
2-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
4-Chlorotoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromochloromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dibromomethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,4-Dichlorobenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Dichlorodifluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3-Dichloropropane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
2,2-Dichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Ethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Hexachlorobutadiene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0821-01 (EW-13-228-031212 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Iodomethane	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Isopropylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
p-Isopropyltoluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Methylene Chloride	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Naphthalene	EPA 8260B	12C0766	2.5	ND	1	3/19/2012	3/19/2012	
n-Propylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Styrene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	L3
Tetrachloroethene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Toluene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,1,1-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,1,2-Trichloroethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Trichloroethene	EPA 8260B	12C0766	0.50	**2.5**	1	3/19/2012	3/19/2012	
Trichlorofluoromethane	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,2,3-Trichloropropane	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Vinyl Acetate	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	N1a
Vinyl chloride	EPA 8260B	12C0766	0.50	ND	1	3/19/2012	3/19/2012	
Xylenes, Total	EPA 8260B	12C0766	1.0	ND	1	3/19/2012	3/19/2012	
Freon 113	EPA 8260B	12C0766	2.0	ND	1	3/19/2012	3/19/2012	
Surrogate: Dibromofluoromethane (80-130%)				*116 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*106 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC0821-01 (EW-13-228-031212 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0455	1.0	ND	1	3/12/2012	3/14/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*61 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*84 %*				

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Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Blank Analyzed: 03/19/2012 (12C0766-BLK1)										N1
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0 50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0 50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1 0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1 0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0 50	ug/l							
Dibromochloromethane	ND	0 50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2 5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0 50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0 50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Kylie Emily
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Blank Analyzed: 03/19/2012 (12C0766-BLK1)										N1
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2 5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0 50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0 50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1 0	ug/l							
1,2,4-Trichlorobenzene	ND	1 0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1 0	ug/l							
Vinyl chloride	ND	0 50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-125*			

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Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Analyzed: 03/19/2012 (12C0766-BS1)										**N1**
Acetone	38.4	10	ug/l	25 0		154	10-150			*L3*
Benzene	24.5	0.50	ug/l	25 0		98	80-120			
Bromobenzene	26.4	0.50	ug/l	25.0		106	80-120			
Bromochloromethane	27.0	0 50	ug/l	25 0		108	80-125			
Bromodichloromethane	27.2	0.50	ug/l	25.0		109	80-120			
Bromoform	25 2	1 0	ug/l	25.0		101	75-130			
Bromomethane	24.7	1.0	ug/l	25.0		99	55-150			
2-Butanone (MEK)	28.4	2.5	ug/l	25 0		113	40-150			
n-Butylbenzene	27.7	0.50	ug/l	25.0		111	80-130			
sec-Butylbenzene	27.3	0.50	ug/l	25 0		109	80-125			
tert-Butylbenzene	26 4	0.50	ug/l	25.0		106	80-120			
Carbon disulfide	24 5	1.0	ug/l	25.0		98	70-140			
Carbon tetrachloride	28.5	0.50	ug/l	25.0		114	75-130			
Chlorobenzene	26.4	0.50	ug/l	25 0		105	80-120			
Chloroethane	22.7	1.0	ug/l	25.0		91	70-130			
Chloroform	24.4	0.50	ug/l	25 0		98	75-120			
Chloromethane	22.9	1.0	ug/l	25 0		91	60-140			
2-Chlorotoluene	25.3	0.50	ug/l	25 0		101	80-120			
4-Chlorotoluene	26.4	0.50	ug/l	25 0		105	80-120			
Dibromochloromethane	29.1	0 50	ug/l	25.0		116	80-120			
1,2-Dibromo-3-chloropropane	26 6	2.5	ug/l	25 0		106	50-150			
1,2-Dibromoethane (EDB)	28.2	0.50	ug/l	25.0		113	80-120			
Dibromomethane	28.0	0.50	ug/l	25.0		112	75-120			
1,2-Dichlorobenzene	26.8	0 50	ug/l	25 0		107	80-120			
1,3-Dichlorobenzene	27 1	0.50	ug/l	25 0		109	80-120			
1,4-Dichlorobenzene	25.8	0.50	ug/l	25 0		103	80-120			
Dichlorodifluoromethane	21 7	0.50	ug/l	25.0		87	60-150			
1,1-Dichloroethane	24.2	0.50	ug/l	25 0		97	70-125			
1,2-Dichloroethane	27.5	0 50	ug/l	25 0		110	75-130			
1,1-Dichloroethene	22 6	0.50	ug/l	25 0		91	75-125			
cis-1,2-Dichloroethene	25.1	0 50	ug/l	25 0		100	80-120			
trans-1,2-Dichloroethene	25 3	0.50	ug/l	25.0		101	80-120			
1,2-Dichloropropane	24.6	0 50	ug/l	25 0		98	80-120			
1,3-Dichloropropane	26 3	0.50	ug/l	25.0		105	80-120			
2,2-Dichloropropane	28 5	1 0	ug/l	25.0		114	75-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Analyzed: 03/19/2012 (12C0766-BS1)										N1
1,1-Dichloropropene	24 8	0.50	ug/l	25.0		99	75-120			
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	80-120			
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	80-125			
Ethylbenzene	26 9	0 50	ug/l	25 0		108	80-120			
Hexachlorobutadiene	26.3	1.0	ug/l	25.0		105	40-150			
2-Hexanone	34 8	2.5	ug/l	25.0		139	20-150			
Iodomethane	27 1	2.5	ug/l	25.0		109	80-130			
Isopropylbenzene	29 1	0.50	ug/l	25.0		116	80-130			
p-Isopropyltoluene	26.0	0.50	ug/l	25.0		104	80-130			
Methylene Chloride	24.2	1.0	ug/l	25.0		97	70-120			
4-Methyl-2-pentanone (MIBK)	27.8	2.5	ug/l	25.0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	25.2	0.50	ug/l	25.0		101	70-130			
Naphthalene	27.4	2.5	ug/l	25.0		110	40-150			
n-Propylbenzene	27.2	0.50	ug/l	25.0		109	75-130			
Styrene	27.6	0.50	ug/l	25 0		110	80-120			
1,1,1,2-Tetrachloroethane	27.9	0 50	ug/l	25.0		112	75-125			
1,1,2,2-Tetrachloroethane	28 7	0.50	ug/l	25.0		115	80-120			
Tetrachloroethene	25 8	0.50	ug/l	25.0		103	70-130			
Toluene	25.5	0.50	ug/l	25.0		102	80-120			
1,2,3-Trichlorobenzene	24.9	1 0	ug/l	25.0		100	55-150			
1,2,4-Trichlorobenzene	26.6	1.0	ug/l	25.0		106	50-150			
1,1,1-Trichloroethane	27.0	0.50	ug/l	25.0		108	75-125			
1,1,2-Trichloroethane	27 8	0.50	ug/l	25 0		111	80-120			
Trichloroethene	25.6	0 50	ug/l	25 0		102	80-120			
Trichlorofluoromethane	29 1	0 50	ug/l	25.0		116	70-150			
1,2,3-Trichloropropane	28.5	1.0	ug/l	25.0		114	70-130			
1,2,4-Trimethylbenzene	26.1	0.50	ug/l	25.0		105	80-120			
1,3,5-Trimethylbenzene	26.5	0.50	ug/l	25 0		106	80-130			
Vinyl Acetate	27.9	1.0	ug/l	25.0		112	40-150			
Vinyl chloride	21.4	0.50	ug/l	25.0		86	70-130			
Xylenes, Total	52.5	1.0	ug/l	50.0		105	60-140			
Freon 113	25.6	2.0	ug/l	25.0		102	60-140			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-125*			

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Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Dup Analyzed: 03/19/2012 (12C0766-BSD1)										**N1**
Acetone	40.6	10	ug/l	25 0		162	10-150	6	35	*L3*
Benzene	26.2	0.50	ug/l	25.0		105	80-120	6	15	
Bromobenzene	27.0	0 50	ug/l	25.0		108	80-120	2	15	
Bromochloromethane	27.4	0 50	ug/l	25.0		110	80-125	2	15	
Bromodichloromethane	27 8	0.50	ug/l	25.0		111	80-120	2	15	
Bromoform	26.2	1.0	ug/l	25 0		105	75-130	4	20	
Bromomethane	26.2	1.0	ug/l	25.0		105	55-150	6	20	
2-Butanone (MEK)	31 0	2.5	ug/l	25.0		124	40-150	9	35	
n-Butylbenzene	27.3	0.50	ug/l	25.0		109	80-130	1	15	
sec-Butylbenzene	26.8	0.50	ug/l	25 0		107	80-125	2	15	
tert-Butylbenzene	27.2	0.50	ug/l	25 0		109	80-120	3	15	
Carbon disulfide	24.3	1 0	ug/l	25.0		97	70-140	0.6	15	
Carbon tetrachloride	29.5	0.50	ug/l	25.0		118	75-130	4	20	
Chlorobenzene	25.8	0.50	ug/l	25 0		103	80-120	2	15	
Chloroethane	23.9	1.0	ug/l	25 0		95	70-130	5	15	
Chloroform	25.2	0.50	ug/l	25 0		101	75-120	3	15	
Chloromethane	23.8	1.0	ug/l	25.0		95	60-140	4	20	
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	80-120	2	15	
4-Chlorotoluene	26.4	0.50	ug/l	25.0		106	80-120	0.2	15	
Dibromochloromethane	29 6	0 50	ug/l	25.0		118	80-120	2	15	
1,2-Dibromo-3-chloropropane	26 8	2 5	ug/l	25.0		107	50-150	0 7	35	
1,2-Dibromoethane (EDB)	28.9	0 50	ug/l	25 0		116	80-120	3	15	
Dibromomethane	29.4	0 50	ug/l	25.0		118	75-120	5	15	
1,2-Dichlorobenzene	27.5	0.50	ug/l	25.0		110	80-120	3	15	
1,3-Dichlorobenzene	27 1	0.50	ug/l	25.0		109	80-120	0.04	15	
1,4-Dichlorobenzene	26.4	0.50	ug/l	25 0		106	80-120	2	15	
Dichlorodifluoromethane	21.1	0.50	ug/l	25 0		84	60-150	3	30	
1,1-Dichloroethane	24 6	0.50	ug/l	25.0		98	70-125	1	15	
1,2-Dichloroethane	28.2	0 50	ug/l	25.0		113	75-130	2	15	
1,1-Dichloroethene	24.1	0.50	ug/l	25 0		96	75-125	6	20	
cis-1,2-Dichloroethene	26 2	0.50	ug/l	25 0		105	80-120	4	15	
trans-1,2-Dichloroethene	25.8	0.50	ug/l	25.0		103	80-120	2	15	
1,2-Dichloropropane	25.1	0.50	ug/l	25.0		100	80-120	2	15	
1,3-Dichloropropane	27.4	0 50	ug/l	25.0		110	80-120	4	15	
2,2-Dichloropropane	28.9	1.0	ug/l	25.0		116	75-130	1	15	

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Scottsdale, AZ 85251
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Sampled: 03/12/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
LCS Dup Analyzed: 03/19/2012 (12C0766-BSD1)										**N1**
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-120	1	15	
cis-1,3-Dichloropropene	27.1	0.50	ug/l	25.0		108	80-120	2	15	
trans-1,3-Dichloropropene	27.4	0.50	ug/l	25.0		110	80-125	3	15	
Ethylbenzene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
Hexachlorobutadiene	26.1	1.0	ug/l	25.0		104	40-150	0.6	35	
2-Hexanone	35.2	2.5	ug/l	25.0		141	20-150	1	35	
Iodomethane	28.3	2.5	ug/l	25.0		113	80-130	4	10	
Isopropylbenzene	29.6	0.50	ug/l	25.0		118	80-130	2	15	
p-Isopropyltoluene	25.8	0.50	ug/l	25.0		103	80-130	0.9	15	
Methylene Chloride	25.2	1.0	ug/l	25.0		101	70-120	4	15	
4-Methyl-2-pentanone (MIBK)	29.2	2.5	ug/l	25.0		117	60-135	5	25	
Methyl-tert-butyl Ether (MTBE)	26.4	0.50	ug/l	25.0		106	70-130	5	20	
Naphthalene	27.8	2.5	ug/l	25.0		111	40-150	1	30	
n-Propylbenzene	27.4	0.50	ug/l	25.0		109	75-130	0.4	15	
Styrene	27.0	0.50	ug/l	25.0		108	80-120	2	15	
1,1,1,2-Tetrachloroethane	27.6	0.50	ug/l	25.0		111	75-125	0.9	15	
1,1,2,2-Tetrachloroethane	30.2	0.50	ug/l	25.0		121	80-120	5	20	*L3*
Tetrachloroethene	25.9	0.50	ug/l	25.0		103	70-130	0.2	20	
Toluene	26.7	0.50	ug/l	25.0		107	80-120	4	15	
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	55-150	3	35	
1,2,4-Trichlorobenzene	26.9	1.0	ug/l	25.0		108	50-150	1	30	
1,1,1-Trichloroethane	27.6	0.50	ug/l	25.0		110	75-125	2	15	
1,1,2-Trichloroethane	29.5	0.50	ug/l	25.0		118	80-120	6	15	
Trichloroethene	25.6	0.50	ug/l	25.0		102	80-120	0.1	15	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0		120	70-150	3	25	
1,2,3-Trichloropropane	30.2	1.0	ug/l	25.0		121	70-130	6	20	
1,2,4-Trimethylbenzene	25.7	0.50	ug/l	25.0		103	80-120	2	15	
1,3,5-Trimethylbenzene	26.7	0.50	ug/l	25.0		107	80-130	0.7	15	
Vinyl Acetate	29.5	1.0	ug/l	25.0		118	40-150	6	25	
Vinyl chloride	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Xylenes, Total	52.2	1.0	ug/l	50.0		104	60-140	0.6	15	
Freon 113	26.1	2.0	ug/l	25.0		104	60-140	2	15	
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Analyzed: 03/19/2012 (12C0766-MS1)					**Source: PVC0817-01**					**N1**
Acetone	20.0	10	ug/l	25.0	ND	80	10-150			
Benzene	27.0	0 50	ug/l	25.0	ND	108	70-125			
Bromobenzene	26.9	0 50	ug/l	25.0	ND	108	75-120			
Bromochloromethane	28.1	0.50	ug/l	25.0	ND	112	75-130			
Bromodichloromethane	31 5	0.50	ug/l	25 0	2.16	117	75-125			
Bromoform	23 1	1 0	ug/l	25.0	ND	92	65-125			
Bromomethane	24 8	1.0	ug/l	25 0	ND	99	45-150			
2-Butanone (MEK)	21.0	2.5	ug/l	25.0	ND	84	15-150			
n-Butylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-130			
sec-Butylbenzene	25 9	0.50	ug/l	25 0	ND	104	70-125			
tert-Butylbenzene	27.1	0.50	ug/l	25 0	ND	108	70-125			
Carbon disulfide	24.8	1.0	ug/l	25 0	ND	99	65-145			
Carbon tetrachloride	29.7	0.50	ug/l	25.0	ND	119	65-135			
Chlorobenzene	26 2	0.50	ug/l	25.0	ND	105	75-120			
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	65-140			
Chloroform	36.4	0.50	ug/l	25 0	8.91	110	70-130			
Chloromethane	21.9	1 0	ug/l	25.0	ND	88	55-145			
2-Chlorotoluene	25 9	0.50	ug/l	25 0	ND	104	70-125			
4-Chlorotoluene	26.3	0.50	ug/l	25 0	ND	105	70-125			
Dibromochloromethane	30.0	0.50	ug/l	25.0	1.08	116	70-130			
1,2-Dibromo-3-chloropropane	21.5	2.5	ug/l	25.0	ND	86	50-150			
1,2-Dibromoethane (EDB)	26 4	0 50	ug/l	25.0	ND	106	70-125			
Dibromomethane	29.1	0.50	ug/l	25.0	ND	116	70-120			
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0	ND	109	75-120			
1,3-Dichlorobenzene	26.7	0.50	ug/l	25.0	ND	107	75-120			
1,4-Dichlorobenzene	26 5	0.50	ug/l	25.0	ND	106	70-125			
Dichlorodifluoromethane	20.8	0.50	ug/l	25.0	ND	83	60-150			
1,1-Dichloroethane	26 0	0 50	ug/l	25 0	ND	104	70-130			
1,2-Dichloroethane	29.5	0.50	ug/l	25 0	ND	118	65-140			
1,1-Dichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130			
cis-1,2-Dichloroethene	27.0	0 50	ug/l	25.0	ND	108	70-125			
trans-1,2-Dichloroethene	27 0	0.50	ug/l	25.0	ND	108	75-125			
1,2-Dichloropropane	26 4	0.50	ug/l	25.0	ND	106	75-125			
1,3-Dichloropropane	26.8	0.50	ug/l	25 0	ND	107	70-120			
2,2-Dichloropropane	27.8	1 0	ug/l	25.0	ND	111	65-140			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Analyzed: 03/19/2012 (12C0766-MS1)					**Source: PVC0817-01**					**N1**
1,1-Dichloropropene	25 3	0.50	ug/l	25 0	ND	101	65-130			
cis-1,3-Dichloropropene	28.0	0.50	ug/l	25.0	ND	112	75-130			
trans-1,3-Dichloropropene	28 2	0.50	ug/l	25 0	ND	113	70-130			
Ethylbenzene	26.9	0.50	ug/l	25.0	ND	108	70-125			
Hexachlorobutadiene	25.7	1.0	ug/l	25.0	ND	103	40-150			
2-Hexanone	21.9	2.5	ug/l	25.0	ND	87	20-150			
Iodomethane	28.8	2.5	ug/l	25.0	ND	115	60-150			
Isopropylbenzene	29.0	0.50	ug/l	25 0	ND	116	75-130			
p-Isopropyltoluene	26.0	0 50	ug/l	25.0	ND	104	70-130			
Methylene Chloride	25 3	1 0	ug/l	25.0	ND	101	65-130			
4-Methyl-2-pentanone (MIBK)	23.6	2.5	ug/l	25.0	ND	94	55-135			
Methyl-tert-butyl Ether (MTBE)	26.0	0.50	ug/l	25 0	ND	104	65-140			
Naphthalene	24.5	2.5	ug/l	25 0	ND	98	40-150			
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130			
Styrene	27 0	0.50	ug/l	25.0	ND	108	55-135			
1,1,1,2-Tetrachloroethane	28.2	0 50	ug/l	25.0	ND	113	70-125			
1,1,2,2-Tetrachloroethane	26.0	0.50	ug/l	25 0	ND	104	70-125			
Tetrachloroethene	25.1	0.50	ug/l	25.0	ND	100	65-130			
Toluene	27.4	0.50	ug/l	25.0	ND	109	70-125			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25 0	ND	99	50-150			
1,2,4-Trichlorobenzene	27 0	1.0	ug/l	25.0	ND	108	50-150			
1,1,1-Trichloroethane	28 5	0.50	ug/l	25.0	ND	114	70-130			
1,1,2-Trichloroethane	27.7	0.50	ug/l	25.0	ND	111	75-125			
Trichloroethene	27 0	0 50	ug/l	25 0	ND	108	70-125			
Trichlorofluoromethane	30.2	0.50	ug/l	25.0	ND	121	65-150			
1,2,3-Trichloropropane	26 0	1.0	ug/l	25.0	ND	104	70-130			
1,2,4-Trimethylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-125			
1,3,5-Trimethylbenzene	26 2	0 50	ug/l	25.0	ND	105	75-130			
Vinyl Acetate	27.1	1.0	ug/l	25.0	ND	108	40-150			
Vinyl chloride	20.7	0 50	ug/l	25.0	ND	83	60-140			
Xylenes, Total	52.4	1.0	ug/l	50.0	ND	105	75-120			
Freon 113	26.1	2.0	ug/l	25 0	ND	104	65-140			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-130*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Dup Analyzed: 03/19/2012 (12C0766-MSD1)					**Source: PVC0817-01**					**N1**
Acetone	18.5	10	ug/l	25.0	ND	74	10-150	8	35	
Benzene	25.0	0 50	ug/l	25.0	ND	100	70-125	8	25	
Bromobenzene	27 2	0.50	ug/l	25.0	ND	109	75-120	1	20	
Bromochloromethane	25 7	0.50	ug/l	25.0	ND	103	75-130	9	20	
Bromodichloromethane	30.0	0.50	ug/l	25.0	2 16	111	75-125	5	20	
Bromoform	23.9	1 0	ug/l	25 0	ND	96	65-125	3	25	
Bromomethane	24.2	1.0	ug/l	25.0	ND	97	45-150	2	35	
2-Butanone (MEK)	18.7	2.5	ug/l	25 0	ND	75	15-150	11	30	
n-Butylbenzene	26 2	0 50	ug/l	25.0	ND	105	70-130	0.08	30	
sec-Butylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-125	2	30	
tert-Butylbenzene	26.6	0.50	ug/l	25.0	ND	107	70-125	2	25	
Carbon disulfide	22 8	1.0	ug/l	25 0	ND	91	65-145	8	25	
Carbon tetrachloride	28.9	0 50	ug/l	25 0	ND	116	65-135	3	25	
Chlorobenzene	25.6	0.50	ug/l	25.0	ND	102	75-120	2	20	
Chloroethane	21 5	1.0	ug/l	25.0	ND	86	65-140	5	25	
Chloroform	33.3	0.50	ug/l	25 0	8.91	98	70-130	9	20	
Chloromethane	21 8	1.0	ug/l	25.0	ND	87	55-145	0.5	35	
2-Chlorotoluene	25.7	0.50	ug/l	25 0	ND	103	70-125	0 7	25	
4-Chlorotoluene	26.5	0 50	ug/l	25 0	ND	106	70-125	0.6	25	
Dibromochloromethane	30 1	0 50	ug/l	25.0	1.08	116	70-130	0.4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	50-150	0 7	30	
1,2-Dibromoethane (EDB)	26 8	0.50	ug/l	25.0	ND	107	70-125	1	20	
Dibromomethane	27.2	0.50	ug/l	25.0	ND	109	70-120	7	20	
1,2-Dichlorobenzene	26 1	0 50	ug/l	25 0	ND	104	75-120	4	20	
1,3-Dichlorobenzene	26 5	0.50	ug/l	25.0	ND	106	75-120	0.9	25	
1,4-Dichlorobenzene	25 7	0.50	ug/l	25.0	ND	103	70-125	3	20	
Dichlorodifluoromethane	20 6	0.50	ug/l	25.0	ND	83	60-150	0.5	30	
1,1-Dichloroethane	23 2	0.50	ug/l	25.0	ND	93	70-130	11	20	
1,2-Dichloroethane	26.7	0.50	ug/l	25 0	ND	107	65-140	10	20	
1,1-Dichloroethene	22 9	0.50	ug/l	25 0	ND	92	70-130	5	25	
cis-1,2-Dichloroethene	24.5	0.50	ug/l	25.0	ND	98	70-125	10	20	
trans-1,2-Dichloroethene	24.3	0 50	ug/l	25 0	ND	97	75-125	11	25	
1,2-Dichloropropane	25 0	0.50	ug/l	25.0	ND	100	75-125	5	20	
1,3-Dichloropropane	26.3	0.50	ug/l	25.0	ND	105	70-120	2	20	
2,2-Dichloropropane	25 7	1 0	ug/l	25 0	ND	103	65-140	8	25	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0766 Extracted: 03/19/12										
Matrix Spike Dup Analyzed: 03/19/2012 (12C0766-MSD1)					**Source: PVC0817-01**					**N1**
1,1-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	65-130	5	25	
cis-1,3-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	75-130	9	20	
trans-1,3-Dichloropropene	26 4	0.50	ug/l	25.0	ND	106	70-130	6	20	
Ethylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-125	0.9	25	
Hexachlorobutadiene	25.2	1.0	ug/l	25 0	ND	101	40-150	2	30	
2-Hexanone	22.2	2.5	ug/l	25 0	ND	89	20-150	1	30	
Iodomethane	26.7	2 5	ug/l	25.0	ND	107	60-150	7	30	
Isopropylbenzene	29 0	0 50	ug/l	25.0	ND	116	75-130	0.1	25	
p-Isopropyltoluene	26 1	0.50	ug/l	25.0	ND	104	70-130	0.1	30	
Methylene Chloride	24.1	1.0	ug/l	25.0	ND	97	65-130	5	20	
4-Methyl-2-pentanone (MIBK)	22.8	2.5	ug/l	25 0	ND	91	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0	ND	93	65-140	11	25	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	40-150	0 2	30	
n-Propylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130	3	30	
Styrene	27 2	0.50	ug/l	25.0	ND	109	55-135	0.7	35	
1,1,1,2-Tetrachloroethane	28.4	0 50	ug/l	25.0	ND	114	70-125	0.9	20	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0	ND	101	70-125	3	25	
Tetrachloroethene	25.8	0.50	ug/l	25.0	ND	103	65-130	3	25	
Toluene	26 1	0.50	ug/l	25.0	ND	104	70-125	5	20	
1,2,3-Trichlorobenzene	24.9	1.0	ug/l	25 0	ND	99	50-150	0.2	35	
1,2,4-Trichlorobenzene	26.5	1.0	ug/l	25.0	ND	106	50-150	2	25	
1,1,1-Trichloroethane	26 6	0.50	ug/l	25.0	ND	106	70-130	7	25	
1,1,2-Trichloroethane	26.1	0.50	ug/l	25.0	ND	104	75-125	6	20	
Trichloroethene	24.8	0 50	ug/l	25.0	ND	99	70-125	8	25	
Trichlorofluoromethane	29.2	0.50	ug/l	25.0	ND	117	65-150	3	25	
1,2,3-Trichloropropane	25.5	1 0	ug/l	25.0	ND	102	70-130	2	25	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-125	0.7	30	
1,3,5-Trimethylbenzene	26.7	0.50	ug/l	25.0	ND	107	75-130	2	25	
Vinyl Acetate	24.6	1.0	ug/l	25.0	ND	99	40-150	9	30	
Vinyl chloride	19.6	0.50	ug/l	25.0	ND	78	60-140	6	25	
Xylenes, Total	53.6	1.0	ug/l	50 0	ND	107	75-120	2	15	
Freon 113	25.1	2.0	ug/l	25.0	ND	100	65-140	4	20	
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-125*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0455 Extracted: 03/12/12										
Blank Analyzed: 03/14/2012 (12C0455-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*17.6*		*ug/l*	*20.0*		*88*	*59.9-120*			
LCS Analyzed: 03/14/2012 (12C0455-BS1)										**Q8**
1,4-Dioxane	20.2	1.0	ug/l	20.0		101	80-120			
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*18.1*		*ug/l*	*20.0*		*91*	*38-125*			
LCS Dup Analyzed: 03/14/2012 (12C0455-BSD1)										**Q8**
1,4-Dioxane	20 1	1.0	ug/l	20 0		100	80-120	0 3	25	
Surrogate: 1,4-Dioxane-d8	*15.1*		*ug/l*	*20.0*		*75*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*18.4*		*ug/l*	*20.0*		*92*	*38-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Project ID: OU3 (AZ)
Report Number: PVC0821

Sampled: 03/12/12
Received: 03/12/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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Chain of Custody Record

TAL-4124-280 (0508)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica PVC 0821

THE LEADER IN ENVIRONMENTAL TESTING

Client: ERM	Project Manager: Jason Hilker	Date: 3/12/12	Chain of Custody Number: 149309
Address: 7272 E. Indian School Rd	Telephone Number (Area Code)/Fax Number: 480-998-2401	Lab Number:	Page 1 of 1
City: Scottsdale; State: AZ; Zip Code: 85251	Site Contact: Adam Nagle	Lab Contact: Kylee Emily	
Project Name and Location (State): OU3 (AZ)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 0096498			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260B)	1,4-Dioxane (8270)	Special Instructions/ Conditions of Receipt
EW-13-228-031212	3/12/12	0944		X			2			3			x	X	LEVEL IV

1.3°C

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

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STD

QC Requirements (Specify): Level IV Analysis

	Date	Time		Date	Time
1. Relinquished By: [signature] / ERM	3/12/12	1240	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By: [signature]	3/12/12	1240

Comments: LEVEL IV (Seperate Report)

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 (AZ)

Sampled: 03/15/12
Received: 03/15/12
Revised: 04/19/12 11:04

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1259-01	OU3-7M2-M-031512	Water
PVC1259-02	OU3-7M2-M-031512-Q1	Water
PVC1259-03	OU3-7S-S-031512	Water
PVC1259-04	OU3-14D-D-031512	Water
PVC1259-05	OU3-4S-S-031512	Water
PVC1259-06	GW-LI-I-031512	Water
PVC1259-07	GW-EB2-031512	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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/N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a- PVC1259-06-Re-analysis was performed to meet required reporting limits. This sample is a trip blank. Re-analysis took place using a vial with headspace.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised on 04/19/12 to edit N1/N1a qualifier and add N1b qualifier. Original report also had Dichlorodifluoromethane and 1,1 Dichloroethene reported from an insturment that was not calibrated to meet the required RL. The sample was re-analyzed on a different instrument. The re-analysis is reported.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-01 (OU3-7M2-M-031512 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-01 (OU3-7M2-M-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	**1.0**	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	**0.92**	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-01RE1 (OU3-7M2-M-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*113 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-02 (OU3-7M2-M-031512-Q1 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-02 (OU3-7M2-M-031512-Q1 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	**1.2**	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	**0.99**	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*91 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-02RE1 (OU3-7M2-M-031512-Q1 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-03 (OU3-7S-S-031512 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	**1.0**	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-03 (OU3-7S-S-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	**2.9**	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*91 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-03RE1 (OU3-7S-S-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*113 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-04 (OU3-14D-D-031512 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-04 (OU3-14D-D-031512 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-04RE1 (OU3-14D-D-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*101 %*				

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-05 (OU3-4S-S-031512 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	**2.9**	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*89 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-05RE1 (OU3-4S-S-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*114 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-06 (GW-LI-I-031512 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-06 (GW-LI-I-031512 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*91 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-06RE1 (GW-LI-1-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	N1a
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	N1a
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*102 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-07 (GW-EB2-031512 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	**1.9**	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	**7.4**	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	**0.94**	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-07 (GW-EB2-031512 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-07RE1 (GW-EB2-031512 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*114 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*97 %*				

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Sampled: 03/15/12
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1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-01 (OU3-7M2-M-031512 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/21/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*52 %*				
Surrogate. Nitrobenzene-d5 (59.9-120%)				*78 %*				
Sample ID: PVC1259-02 (OU3-7M2-M-031512-Q1 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/21/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*53 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*79 %*				
Sample ID: PVC1259-03 (OU3-7S-S-031512 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/21/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*51 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*78 %*				
Sample ID: PVC1259-04 (OU3-14D-D-031512 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/21/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*51 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*84 %*				
Sample ID: PVC1259-05 (OU3-4S-S-031512 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*53 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*83 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
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Sampled: 03/15/12
Received: 03/15/12

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										N1a
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										N1a
1,1-Dichloropropene	ND	0 50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1 0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1 0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0 50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1 0	ug/l							
1,2,4-Trichlorobenzene	ND	1 0	ug/l							
1,1,1-Trichloroethane	ND	0 50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0 50	ug/l							
1,2,3-Trichloropropane	ND	1 0	ug/l							
1,2,4-Trimethylbenzene	ND	0 50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1 0	ug/l							
Freon 113	ND	2 0	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25 0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*80-125*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

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Report Number: PVC1259

Sampled: 03/15/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1a
Acetone	22 9	10	ug/l	25.0		91	10-150			
Benzene	25.2	0.50	ug/l	25.0		101	80-120			
Bromobenzene	29.4	0.50	ug/l	25 0		117	80-120			
Bromochloromethane	27.5	0 50	ug/l	25.0		110	80-125			
Bromodichloromethane	24.6	0.50	ug/l	25 0		99	80-120			
Bromoform	25.9	1 0	ug/l	25.0		104	75-130			
Bromomethane	25 3	1 0	ug/l	25.0		101	55-150			
2-Butanone (MEK)	24.9	2.5	ug/l	25 0		100	40-150			
n-Butylbenzene	24.2	0.50	ug/l	25.0		97	80-130			
sec-Butylbenzene	26.2	0.50	ug/l	25.0		105	80-125			
tert-Butylbenzene	27.0	0 50	ug/l	25.0		108	80-120			
Carbon disulfide	23.4	1.0	ug/l	25.0		93	70-140			
Carbon tetrachloride	26.6	0.50	ug/l	25 0		106	75-130			
Chlorobenzene	27.0	0.50	ug/l	25.0		108	80-120			
Chloroethane	20.3	1.0	ug/l	25 0		81	70-130			
Chloroform	23.6	0.50	ug/l	25.0		95	75-120			
Chloromethane	21.9	1.0	ug/l	25.0		88	60-140			
2-Chlorotoluene	24 9	0 50	ug/l	25.0		100	80-120			
4-Chlorotoluene	25.3	0.50	ug/l	25 0		101	80-120			
Dibromochloromethane	25.0	0.50	ug/l	25.0		100	80-120			
1,2-Dibromo-3-chloropropane	20 8	2.5	ug/l	25.0		83	50-150			
1,2-Dibromoethane (EDB)	26 9	0.50	ug/l	25.0		108	80-120			
Dibromomethane	27.3	0.50	ug/l	25.0		109	75-120			
1,2-Dichlorobenzene	28.3	0 50	ug/l	25.0		113	80-120			
1,3-Dichlorobenzene	28.7	0 50	ug/l	25.0		115	80-120			
1,4-Dichlorobenzene	27 7	0.50	ug/l	25 0		111	80-120			
Dichlorodifluoromethane	22 6	0.50	ug/l	25.0		90	60-150			
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-125			
1,2-Dichloroethane	25.2	0.50	ug/l	25.0		101	75-130			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0		95	75-125			
cis-1,2-Dichloroethene	26.0	0.50	ug/l	25.0		104	80-120			
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25.0		102	80-120			
1,2-Dichloropropane	24.2	0.50	ug/l	25.0		97	80-120			
1,3-Dichloropropane	25 0	0.50	ug/l	25.0		100	80-120			
2,2-Dichloropropane	24.5	1.0	ug/l	25.0		98	75-130			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1a
1,1-Dichloropropene	24 8	0.50	ug/l	25.0		99	75-120			
cis-1,3-Dichloropropene	24 7	0.50	ug/l	25 0		99	80-120			
trans-1,3-Dichloropropene	23.5	0.50	ug/l	25 0		94	80-125			
Ethylbenzene	25 5	0.50	ug/l	25.0		102	80-120			
Hexachlorobutadiene	26 4	1.0	ug/l	25.0		106	40-150			
2-Hexanone	27 3	2 5	ug/l	25.0		109	20-150			
Iodomethane	29.8	2.5	ug/l	25 0		119	80-130			
Isopropylbenzene	29.5	0.50	ug/l	25 0		118	80-130			
p-Isopropyltoluene	25.5	0.50	ug/l	25 0		102	80-130			
Methylene Chloride	22.5	1 0	ug/l	25.0		90	70-120			
4-Methyl-2-pentanone (MIBK)	21.2	2.5	ug/l	25.0		85	60-135			
Methyl-tert-butyl Ether (MTBE)	21.2	0 50	ug/l	25 0		85	70-130			
Naphthalene	28 4	2.5	ug/l	25 0		114	40-150			
n-Propylbenzene	26.2	0.50	ug/l	25.0		105	75-130			
Styrene	26.8	0.50	ug/l	25 0		107	80-120			
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	75-125			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25 0		102	80-120			
Tetrachloroethene	27.6	0.50	ug/l	25 0		110	70-130			
Toluene	27 6	0.50	ug/l	25.0		110	80-120			
1,2,3-Trichlorobenzene	30.3	1.0	ug/l	25.0		121	55-150			
1,2,4-Trichlorobenzene	31 0	1 0	ug/l	25 0		124	50-150			
1,1,1-Trichloroethane	24 5	0 50	ug/l	25.0		98	75-125			
1,1,2-Trichloroethane	26 6	0 50	ug/l	25.0		107	80-120			
Trichloroethene	26.5	0 50	ug/l	25 0		106	80-120			
Trichlorofluoromethane	26.9	0.50	ug/l	25 0		108	70-150			
1,2,3-Trichloropropane	26.7	1.0	ug/l	25 0		107	70-130			
1,2,4-Trimethylbenzene	25.8	0.50	ug/l	25.0		103	80-120			
1,3,5-Trimethylbenzene	26.0	0.50	ug/l	25 0		104	80-130			
Vinyl Acetate	21.6	1.0	ug/l	25.0		87	40-150			
Vinyl chloride	22.1	0.50	ug/l	25.0		88	70-130			
Xylenes, Total	54.3	1 0	ug/l	50.0		109	60-140			
Freon 113	24 6	2 0	ug/l	25.0		98	60-140			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										N1a
Acetone	22.1	10	ug/l	25.0		88	10-150	3	35	
Benzene	24.6	0.50	ug/l	25.0		98	80-120	2	15	
Bromobenzene	27 9	0 50	ug/l	25 0		112	80-120	5	15	
Bromochloromethane	25.9	0.50	ug/l	25.0		104	80-125	6	15	
Bromodichloromethane	24.0	0.50	ug/l	25.0		96	80-120	3	15	
Bromoform	25.6	1.0	ug/l	25 0		102	75-130	1	20	
Bromomethane	24.0	1.0	ug/l	25.0		96	55-150	5	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25 0		99	40-150	0.9	35	
n-Butylbenzene	24.0	0 50	ug/l	25.0		96	80-130	0.8	15	
sec-Butylbenzene	26 0	0.50	ug/l	25.0		104	80-125	0.9	15	
tert-Butylbenzene	26.5	0.50	ug/l	25.0		106	80-120	2	15	
Carbon disulfide	22.4	1.0	ug/l	25 0		90	70-140	4	15	
Carbon tetrachloride	26.1	0.50	ug/l	25.0		104	75-130	2	20	
Chlorobenzene	26.3	0.50	ug/l	25.0		105	80-120	2	15	
Chloroethane	19.6	1.0	ug/l	25 0		78	70-130	4	15	
Chloroform	22.6	0 50	ug/l	25.0		91	75-120	4	15	
Chloromethane	21.1	1.0	ug/l	25.0		85	60-140	4	20	
2-Chlorotoluene	24 3	0 50	ug/l	25.0		97	80-120	2	15	
4-Chlorotoluene	24 7	0.50	ug/l	25.0		99	80-120	2	15	
Dibromochloromethane	24.4	0.50	ug/l	25.0		98	80-120	2	15	
1,2-Dibromo-3-chloropropane	20.9	2.5	ug/l	25.0		84	50-150	0.3	35	
1,2-Dibromoethane (EDB)	26 7	0.50	ug/l	25.0		107	80-120	0.7	15	
Dibromomethane	26.4	0.50	ug/l	25.0		106	75-120	3	15	
1,2-Dichlorobenzene	27 6	0 50	ug/l	25.0		110	80-120	3	15	
1,3-Dichlorobenzene	28.1	0.50	ug/l	25.0		112	80-120	2	15	
1,4-Dichlorobenzene	27.3	0 50	ug/l	25.0		109	80-120	2	15	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	60-150	3	30	
1,1-Dichloroethane	22 0	0.50	ug/l	25.0		88	70-125	4	15	
1,2-Dichloroethane	23.9	0 50	ug/l	25.0		96	75-130	5	15	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	75-125	3	20	
cis-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		100	80-120	4	15	
trans-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		100	80-120	2	15	
1,2-Dichloropropane	23 6	0.50	ug/l	25.0		94	80-120	3	15	
1,3-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	75-130	0.2	15	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										**N1a**
1,1-Dichloropropene	24.3	0.50	ug/l	25 0		97	75-120	2	15	
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	80-120	4	15	
trans-1,3-Dichloropropene	22 9	0.50	ug/l	25.0		92	80-125	2	15	
Ethylbenzene	25.2	0.50	ug/l	25 0		101	80-120	1	15	
Hexachlorobutadiene	26.6	1 0	ug/l	25.0		107	40-150	0.9	35	
2-Hexanone	27.0	2.5	ug/l	25 0		108	20-150	1	35	
Iodomethane	28 8	2.5	ug/l	25.0		115	80-130	4	10	
Isopropylbenzene	29 0	0 50	ug/l	25.0		116	80-130	2	15	
p-Isopropyltoluene	25 1	0.50	ug/l	25.0		100	80-130	1	15	
Methylene Chloride	21 1	1 0	ug/l	25 0		84	70-120	7	15	
4-Methyl-2-pentanone (MIBK)	21.5	2 5	ug/l	25.0		86	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	20.5	0 50	ug/l	25 0		82	70-130	3	20	
Naphthalene	28.1	2.5	ug/l	25.0		112	40-150	1	30	
n-Propylbenzene	26.0	0.50	ug/l	25.0		104	75-130	1	15	
Styrene	26.2	0.50	ug/l	25 0		105	80-120	2	15	
1,1,1,2-Tetrachloroethane	26.1	0.50	ug/l	25 0		105	75-125	4	15	
1,1,2,2-Tetrachloroethane	25 3	0.50	ug/l	25 0		101	80-120	1	20	
Tetrachloroethene	27.6	0 50	ug/l	25 0		111	70-130	0 07	20	
Toluene	27 0	0.50	ug/l	25.0		108	80-120	2	15	
1,2,3-Trichlorobenzene	28.8	1 0	ug/l	25.0		115	55-150	5	35	
1,2,4-Trichlorobenzene	30 1	1.0	ug/l	25 0		120	50-150	3	30	
1,1,1-Trichloroethane	23 8	0.50	ug/l	25 0		95	75-125	3	15	
1,1,2-Trichloroethane	26 1	0.50	ug/l	25.0		104	80-120	2	15	
Trichloroethene	26.2	0 50	ug/l	25 0		105	80-120	1	15	
Trichlorofluoromethane	26.4	0.50	ug/l	25 0		106	70-150	2	25	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25 0		103	70-130	3	20	
1,2,4-Trimethylbenzene	25 1	0 50	ug/l	25.0		100	80-120	3	15	
1,3,5-Trimethylbenzene	25 6	0.50	ug/l	25.0		102	80-130	2	15	
Vinyl Acetate	20 7	1.0	ug/l	25.0		83	40-150	5	25	
Vinyl chloride	21.3	0.50	ug/l	25.0		85	70-130	4	20	
Xylenes, Total	53 4	1.0	ug/l	50.0		107	60-140	2	15	
Freon 113	23 7	2 0	ug/l	25 0		95	60-140	4	15	
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					**N1a**
Acetone	11.4	10	ug/l	25.0	ND	45	10-150			
Benzene	24 8	0.50	ug/l	25 0	ND	99	70-125			
Bromobenzene	28.4	0 50	ug/l	25.0	ND	114	75-120			
Bromochloromethane	28.5	0.50	ug/l	25 0	ND	114	75-130			
Bromodichloromethane	25.2	0.50	ug/l	25 0	ND	101	75-125			
Bromoform	25.7	1.0	ug/l	25.0	ND	103	65-125			
Bromomethane	24 4	1.0	ug/l	25 0	ND	98	45-150			
2-Butanone (MEK)	17.5	2 5	ug/l	25.0	ND	70	15-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	24.9	0 50	ug/l	25 0	ND	100	70-125			
tert-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-125			
Carbon disulfide	22 1	1 0	ug/l	25.0	ND	88	65-145			
Carbon tetrachloride	26.5	0 50	ug/l	25 0	ND	106	65-135			
Chlorobenzene	26.2	0.50	ug/l	25.0	ND	105	75-120			
Chloroethane	19.8	1.0	ug/l	25.0	ND	79	65-140			
Chloroform	24.0	0.50	ug/l	25.0	0 440	94	70-130			
Chloromethane	20 6	1.0	ug/l	25 0	ND	82	55-145			
2-Chlorotoluene	23 4	0.50	ug/l	25.0	ND	93	70-125			
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-125			
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	19.8	2.5	ug/l	25 0	ND	79	50-150			
1,2-Dibromoethane (EDB)	27.3	0.50	ug/l	25 0	ND	109	70-125			
Dibromomethane	28.2	0.50	ug/l	25 0	ND	113	70-120			
1,2-Dichlorobenzene	27.6	0.50	ug/l	25 0	ND	110	75-120			
1,3-Dichlorobenzene	27.6	0.50	ug/l	25.0	ND	111	75-120			
1,4-Dichlorobenzene	27.1	0.50	ug/l	25 0	ND	108	70-125			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	60-150			
1,1-Dichloroethane	22.5	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloroethane	26.1	0 50	ug/l	25.0	ND	104	65-140			
1,1-Dichloroethene	23 0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,2-Dichloroethene	25.9	0.50	ug/l	25.0	ND	103	70-125			
trans-1,2-Dichloroethene	25.1	0.50	ug/l	25.0	ND	100	75-125			
1,2-Dichloropropane	24 1	0.50	ug/l	25 0	ND	97	75-125			
1,3-Dichloropropane	25.0	0.50	ug/l	25.0	ND	100	70-120			
2,2-Dichloropropane	23.2	1 0	ug/l	25.0	ND	93	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					**N1a**
1,1-Dichloropropene	24 0	0.50	ug/l	25.0	ND	96	65-130			
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25 0	ND	99	75-130			
trans-1,3-Dichloropropene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Ethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-125			
Hexachlorobutadiene	26.5	1.0	ug/l	25.0	ND	106	40-150			
2-Hexanone	18.6	2.5	ug/l	25 0	ND	74	20-150			
Iodomethane	29 7	2.5	ug/l	25 0	ND	119	60-150			
Isopropylbenzene	27.7	0 50	ug/l	25 0	ND	111	75-130			
p-Isopropyltoluene	24 4	0.50	ug/l	25.0	ND	98	70-130			
Methylene Chloride	22 0	1 0	ug/l	25.0	ND	88	65-130			
4-Methyl-2-pentanone (MIBK)	20.9	2 5	ug/l	25.0	ND	84	55-135			
Methyl-tert-butyl Ether (MTBE)	22.6	0.50	ug/l	25.0	ND	91	65-140			
Naphthalene	27 7	2.5	ug/l	25 0	ND	111	40-150			
n-Propylbenzene	24 7	0.50	ug/l	25.0	ND	99	70-130			
Styrene	24.7	0 50	ug/l	25 0	ND	99	55-135			
1,1,1,2-Tetrachloroethane	27 1	0 50	ug/l	25.0	ND	109	70-125			
1,1,2,2-Tetrachloroethane	25.1	0.50	ug/l	25 0	ND	100	70-125			
Tetrachloroethene	27 8	0.50	ug/l	25 0	1 05	107	65-130			
Toluene	27 5	0 50	ug/l	25.0	ND	110	70-125			
1,2,3-Trichlorobenzene	29.8	1.0	ug/l	25 0	ND	119	50-150			
1,2,4-Trichlorobenzene	30.5	1 0	ug/l	25.0	ND	122	50-150			
1,1,1-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,1,2-Trichloroethane	27.7	0 50	ug/l	25.0	ND	111	75-125			
Trichloroethene	27.4	0.50	ug/l	25 0	0 920	106	70-125			
Trichlorofluoromethane	26.6	0.50	ug/l	25 0	ND	106	65-150			
1,2,3-Trichloropropane	25.6	1 0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-125			
1,3,5-Trimethylbenzene	24.6	0 50	ug/l	25 0	ND	98	75-130			
Vinyl Acetate	20 0	1.0	ug/l	25.0	ND	80	40-150			
Vinyl chloride	20.4	0.50	ug/l	25 0	ND	82	60-140			
Xylenes, Total	53 0	1.0	ug/l	50.0	ND	106	75-120			
Freon 113	24.4	2.0	ug/l	25 0	ND	98	65-140			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*93*	*80-125*			

TestAmerica Phoenix

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Project Manager

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Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					**N1a**
Acetone	12.6	10	ug/l	25.0	ND	50	10-150	10	35	
Benzene	24.9	0.50	ug/l	25.0	ND	100	70-125	0.3	25	
Bromobenzene	28.6	0.50	ug/l	25.0	ND	114	75-120	0.7	20	
Bromochloromethane	28.3	0.50	ug/l	25.0	ND	113	75-130	0.7	20	
Bromodichloromethane	24.9	0.50	ug/l	25.0	ND	100	75-125	1	20	
Bromoform	25.9	1.0	ug/l	25.0	ND	104	65-125	0.8	25	
Bromomethane	24.4	1.0	ug/l	25.0	ND	97	45-150	0.2	35	
2-Butanone (MEK)	18.8	2.5	ug/l	25.0	ND	75	15-150	7	30	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	1	30	
sec-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-125	2	30	
tert-Butylbenzene	25.9	0.50	ug/l	25.0	ND	104	70-125	1	25	
Carbon disulfide	22.7	1.0	ug/l	25.0	ND	91	65-145	3	25	
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	65-135	1	25	
Chlorobenzene	26.4	0.50	ug/l	25.0	ND	106	75-120	1	20	
Chloroethane	20.2	1.0	ug/l	25.0	ND	81	65-140	2	25	
Chloroform	24.4	0.50	ug/l	25.0	0.440	96	70-130	1	20	
Chloromethane	21.2	1.0	ug/l	25.0	ND	85	55-145	3	35	
2-Chlorotoluene	23.9	0.50	ug/l	25.0	ND	95	70-125	2	25	
4-Chlorotoluene	24.1	0.50	ug/l	25.0	ND	97	70-125	0.7	25	
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	105	70-130	0.2	20	
1,2-Dibromo-3-chloropropane	20.2	2.5	ug/l	25.0	ND	81	50-150	2	30	
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25.0	ND	110	70-125	0.6	20	
Dibromomethane	27.6	0.50	ug/l	25.0	ND	110	70-120	2	20	
1,2-Dichlorobenzene	28.0	0.50	ug/l	25.0	ND	112	75-120	2	20	
1,3-Dichlorobenzene	28.0	0.50	ug/l	25.0	ND	112	75-120	1	25	
1,4-Dichlorobenzene	27.1	0.50	ug/l	25.0	ND	108	70-125	0.2	20	
Dichlorodifluoromethane	22.3	0.50	ug/l	25.0	ND	89	60-150	0.5	30	
1,1-Dichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
1,2-Dichloroethane	26.4	0.50	ug/l	25.0	ND	105	65-140	1	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-130	2	25	
cis-1,2-Dichloroethene	26.1	0.50	ug/l	25.0	ND	104	70-125	0.7	20	
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25.0	ND	102	75-125	2	25	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0	ND	96	75-125	0.3	20	
1,3-Dichloropropane	25.4	0.50	ug/l	25.0	ND	102	70-120	2	20	
2,2-Dichloropropane	22.9	1.0	ug/l	25.0	ND	92	65-140	1	25	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					**N1a**
1,1-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	65-130	0 3	25	
cis-1,3-Dichloropropene	24.2	0.50	ug/l	25 0	ND	97	75-130	3	20	
trans-1,3-Dichloropropene	23 9	0.50	ug/l	25 0	ND	96	70-130	2	20	
Ethylbenzene	24 8	0 50	ug/l	25.0	ND	99	70-125	0.08	25	
Hexachlorobutadiene	26 1	1 0	ug/l	25.0	ND	104	40-150	2	30	
2-Hexanone	20.8	2 5	ug/l	25 0	ND	83	20-150	11	30	
Iodomethane	30.5	2.5	ug/l	25.0	ND	122	60-150	3	30	
Isopropylbenzene	28 1	0.50	ug/l	25.0	ND	112	75-130	1	25	
p-Isopropyltoluene	24 6	0.50	ug/l	25 0	ND	99	70-130	0 9	30	
Methylene Chloride	22.5	1 0	ug/l	25.0	ND	90	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	21.2	2.5	ug/l	25 0	ND	85	55-135	2	25	
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25.0	ND	90	65-140	0 7	25	
Naphthalene	28.1	2.5	ug/l	25 0	ND	112	40-150	1	30	
n-Propylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130	2	30	
Styrene	25 0	0 50	ug/l	25 0	ND	100	55-135	1	35	
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0	ND	109	70-125	0.1	20	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0	ND	101	70-125	0.8	25	
Tetrachloroethene	28 3	0 50	ug/l	25 0	1 05	109	65-130	2	25	
Toluene	27.1	0.50	ug/l	25 0	ND	108	70-125	2	20	
1,2,3-Trichlorobenzene	28.9	1.0	ug/l	25 0	ND	116	50-150	3	35	
1,2,4-Trichlorobenzene	29 8	1 0	ug/l	25 0	ND	119	50-150	2	25	
1,1,1-Trichloroethane	24.6	0.50	ug/l	25.0	ND	99	70-130	2	25	
1,1,2-Trichloroethane	26.9	0.50	ug/l	25 0	ND	108	75-125	3	20	
Trichloroethene	26.8	0.50	ug/l	25 0	0 920	104	70-125	2	25	
Trichlorofluoromethane	26.7	0.50	ug/l	25.0	ND	107	65-150	0.3	25	
1,2,3-Trichloropropane	26 4	1 0	ug/l	25 0	ND	106	70-130	3	25	
1,2,4-Trimethylbenzene	24.7	0.50	ug/l	25 0	ND	99	70-125	2	30	
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	75-130	1	25	
Vinyl Acetate	20.2	1.0	ug/l	25.0	ND	81	40-150	1	30	
Vinyl chloride	21.1	0.50	ug/l	25.0	ND	84	60-140	3	25	
Xylenes, Total	53.6	1.0	ug/l	50.0	ND	107	75-120	1	15	
Freon 113	24.5	2.0	ug/l	25.0	ND	98	65-140	0.3	20	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25 0*		*92*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1283 Extracted: 03/28/12										
Blank Analyzed: 03/28/2012 (12C1283-BLK1)										N1a
Dichlorodifluoromethane	ND	0 50	ug/l							
1,1-Dichloroethene	ND	0 50	ug/l							
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24 7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-125*			
LCS Analyzed: 03/28/2012 (12C1283-BS1)										N1a
Dichlorodifluoromethane	27.2	0 50	ug/l	25 0		109	60-150			
1,1-Dichloroethene	24 6	0.50	ug/l	25.0		98	75-125			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-125*			
LCS Dup Analyzed: 03/28/2012 (12C1283-BSD1)										N1a
Dichlorodifluoromethane	28.3	0 50	ug/l	25 0		113	60-150	4	30	
1,1-Dichloroethene	26 1	0.50	ug/l	25.0		104	75-125	6	20	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*111*	*80-125*			
Matrix Spike Analyzed: 03/28/2012 (12C1283-MS1)					**Source: PVC1354-01RE1**					N1a
Dichlorodifluoromethane	25 9	0.50	ug/l	25.0	ND	104	60-150			
1,1-Dichloroethene	25 7	0.50	ug/l	25.0	0 340	101	70-130			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*		*ug/l*	*25.0*		*111*	*80-125*			
Matrix Spike Dup Analyzed: 03/28/2012 (12C1283-MSD1)					**Source: PVC1354-01RE1**					N1a
Dichlorodifluoromethane	32.2	0 50	ug/l	25.0	ND	129	60-150	21	30	
1,1-Dichloroethene	29.2	0.50	ug/l	25.0	0.340	115	70-130	13	25	
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*111*	*80-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25 0*		*108*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0816 Extracted: 03/19/12										
Blank Analyzed: 03/21/2012 (12C0816-BLK1)										**N1a**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.2*		*ug/l*	*20.0*		*56*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*16.4*		*ug/l*	*20.0*		*82*	*59.9-120*			
LCS Analyzed: 03/21/2012 (12C0816-BS1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*9.95*		*ug/l*	*20.0*		*50*	*32-57*			
Surrogate: Nitrobenzene-d5	*15.8*		*ug/l*	*20.0*		*79*	*38-125*			
LCS Dup Analyzed: 03/21/2012 (12C0816-BSD1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120	0.4	25	
Surrogate: 1,4-Dioxane-d8	*13.5*		*ug/l*	*20.0*		*67*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*38-125*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

Certification Summary

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Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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PVC1259

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
ERM	Jason Hiller	3/15/2012	149310
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
7272 E Indian School Rd #100	480-998-2401		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Scottsdale / AZ / 85251	Adam Nagle	Kyle Emily	
Project Name and Location (State)	**Carrier/Waybill Number**		
OU3 (AZ)			
Contract/Purchase Order/Quote No.			
0096498.032			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260B	1,4-Dioxane 8270	Special Instructions/ Conditions of Receipt
~~OU3-7M2-031512~~ ARN															
~~OU3-7M2-031512~~ ARN															
OU3-7M2-M-031512	3/15/12	0856		X			2			3			X	X	-01
OU3-7M2-M-031512-Q1	3/15/12	0856		X			2			3			X	X	-02
OU3-7S-S-031512	3/15/12	1045		X			2			3			X	X	-03
OU3-14D-D-031512	3/15/12	1420		X			2			3			X	X	-04
OU3-4S-S-031512	3/15/12	1649		X			2			3			X	X	-05
~~OU3-4S-S-031512-EB~~													~~X~~ ARN		
GW-LI-1-031512	3/15/12	~~1650~~ ARN		X						1			X		Trip Blank -06
GW-EB2-031512	3/15/12	1650		X						3			X		-07

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
ERM / ERM	3/15/12	1747			
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time
				3/15/12	17:47

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2.7°C

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 (AZ)

Sampled: 03/15/12
Received: 03/15/12
Revised: 04/06/12 16:35

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1264-01	OU3-14M-M-031512	Water

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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.

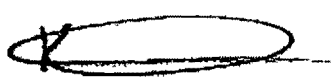
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, exeept as noted in the report with data qualifiers.
N1-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1264-01 (OU3-14M-M-031512 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1106	10	ND	1	3/26/2012	3/26/2012	V1, L3
Benzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Bromobenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Bromochloromethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Bromodichloromethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Bromoform	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
Bromomethane	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
2-Butanone (MEK)	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	
n-Butylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
sec-Butylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
tert-Butylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Carbon disulfide	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Chlorobenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Chloroethane	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
Chloroform	EPA 8260B	12C1106	0.50	**0.65**	1	3/26/2012	3/26/2012	
Chloromethane	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
2-Chlorotoluene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
4-Chlorotoluene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Dibromochloromethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Dibromomethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Dichlorodifluoromethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,1-Dichloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2-Dichloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,1-Dichloroethene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2-Dichloropropane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,3-Dichloropropane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
2,2-Dichloropropane	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
1,1-Dichloropropene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Ethylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Hexachlorobutadiene	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1264-01 (OU3-14M-M-031512 - Water) - cont.								N1
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	
Iodomethane	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	
Isopropylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
p-Isopropyltoluene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Methylene Chloride	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Naphthalene	EPA 8260B	12C1106	2.5	ND	1	3/26/2012	3/26/2012	
n-Propylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Styrene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Tetrachloroethene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Toluene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Trichloroethene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Trichlorofluoromethane	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Vinyl Acetate	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	N1a
Vinyl chloride	EPA 8260B	12C1106	0.50	ND	1	3/26/2012	3/26/2012	
Xylenes, Total	EPA 8260B	12C1106	1.0	ND	1	3/26/2012	3/26/2012	
Freon 113	EPA 8260B	12C1106	2.0	ND	1	3/26/2012	3/26/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1264-01 (OU3-14M-M-031512 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*57 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*96 %*				

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Blank Analyzed: 03/26/2012 (12C1106-BLK1)										N1
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0 50	ug/l							
Bromochloromethane	ND	0 50	ug/l							
Bromodichloromethane	ND	0 50	ug/l							
Bromoform	ND	1 0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2 5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0 50	ug/l							
Chloroethane	ND	1 0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1 0	ug/l							
2-Chlorotoluene	ND	0 50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0 50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2 5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0 50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0 50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0 50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Blank Analyzed: 03/26/2012 (12C1106-BLK1)										N1
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0 50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0 50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2 5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0 50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1 0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-130*			
Surrogate: Toluene-d8	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
LCS Analyzed: 03/26/2012 (12C1106-BS1)										**N1**
Acetone	41 7	10	ug/l	25 0		167	10-150			*V1, L3*
Benzene	26 0	0.50	ug/l	25.0		104	80-120			
Bromobenzene	27.6	0.50	ug/l	25 0		110	80-120			
Bromochloromethane	25.9	0.50	ug/l	25 0		104	80-125			
Bromodichloromethane	28 4	0 50	ug/l	25.0		113	80-120			
Bromoform	24.8	1.0	ug/l	25 0		99	75-130			
Bromomethane	25.2	1.0	ug/l	25 0		101	55-150			
2-Butanone (MEK)	32 9	2.5	ug/l	25.0		132	40-150			
n-Butylbenzene	27.7	0.50	ug/l	25.0		111	80-130			
sec-Butylbenzene	27 6	0.50	ug/l	25 0		110	80-125			
tert-Butylbenzene	28.8	0 50	ug/l	25 0		115	80-120			
Carbon disulfide	24 4	1 0	ug/l	25 0		98	70-140			
Carbon tetrachloride	29.9	0.50	ug/l	25.0		119	75-130			
Chlorobenzene	25 6	0.50	ug/l	25.0		103	80-120			
Chloroethane	23 0	1.0	ug/l	25.0		92	70-130			
Chloroform	25 1	0.50	ug/l	25.0		100	75-120			
Chloromethane	24 5	1.0	ug/l	25 0		98	60-140			
2-Chlorotoluene	26.7	0 50	ug/l	25.0		107	80-120			
4-Chlorotoluene	27.1	0 50	ug/l	25.0		109	80-120			
Dibromochloromethane	26 9	0 50	ug/l	25.0		108	80-120			
1,2-Dibromo-3-chloropropane	31.8	2.5	ug/l	25.0		127	50-150			*V1*
1,2-Dibromoethane (EDB)	27.2	0.50	ug/l	25.0		109	80-120			
Dibromomethane	27 8	0.50	ug/l	25.0		111	75-120			
1,2-Dichlorobenzene	27 1	0.50	ug/l	25.0		108	80-120			
1,3-Dichlorobenzene	27.5	0.50	ug/l	25 0		110	80-120			
1,4-Dichlorobenzene	25 6	0 50	ug/l	25.0		102	80-120			
Dichlorodifluoromethane	27 6	0.50	ug/l	25 0		110	60-150			
1,1-Dichloroethane	24.3	0 50	ug/l	25.0		97	70-125			
1,2-Dichloroethane	27.8	0.50	ug/l	25 0		111	75-130			
1,1-Dichloroethene	25 1	0.50	ug/l	25.0		100	75-125			
cis-1,2-Dichloroethene	25 8	0.50	ug/l	25.0		103	80-120			
trans-1,2-Dichloroethene	26.0	0.50	ug/l	25 0		104	80-120			
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	80-120			
1,3-Dichloropropane	27 3	0.50	ug/l	25.0		109	80-120			
2,2-Dichloropropane	26.8	1.0	ug/l	25.0		107	75-130			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
LCS Analyzed: 03/26/2012 (12C1106-BS1)										N1
1,1-Dichloropropene	26 4	0 50	ug/l	25.0		106	75-120			
cis-1,3-Dichloropropene	27.7	0.50	ug/l	25 0		111	80-120			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	80-125			
Ethylbenzene	28.5	0.50	ug/l	25 0		114	80-120			
Hexachlorobutadiene	27.3	1.0	ug/l	25.0		109	40-150			
2-Hexanone	34.7	2.5	ug/l	25 0		139	20-150			
Iodomethane	28.7	2 5	ug/l	25.0		115	80-130			
Isopropylbenzene	30.3	0.50	ug/l	25.0		121	80-130			
p-Isopropyltoluene	26.3	0.50	ug/l	25.0		105	80-130			
Methylene Chloride	22 7	1 0	ug/l	25.0		91	70-120			
4-Methyl-2-pentanone (MIBK)	28.1	2.5	ug/l	25.0		112	60-135			
Methyl-tert-butyl Ether (MTBE)	24.5	0.50	ug/l	25 0		98	70-130			
Naphthalene	29.3	2.5	ug/l	25.0		117	40-150			
n-Propylbenzene	28.4	0.50	ug/l	25.0		114	75-130			
Styrene	29 3	0.50	ug/l	25.0		117	80-120			
1,1,1,2-Tetrachloroethane	27.8	0.50	ug/l	25.0		111	75-125			
1,1,2,2-Tetrachloroethane	28.7	0.50	ug/l	25.0		115	80-120			
Tetrachloroethene	27.4	0.50	ug/l	25 0		110	70-130			
Toluene	26.5	0.50	ug/l	25.0		106	80-120			
1,2,3-Trichlorobenzene	26 8	1.0	ug/l	25.0		107	55-150			
1,2,4-Trichlorobenzene	27 5	1 0	ug/l	25.0		110	50-150			
1,1,1-Trichloroethane	27.3	0.50	ug/l	25 0		109	75-125			
1,1,2-Trichloroethane	25 6	0.50	ug/l	25.0		102	80-120			
Trichloroethene	26.6	0.50	ug/l	25.0		106	80-120			
Trichlorofluoromethane	31.2	0.50	ug/l	25 0		125	70-150			
1,2,3-Trichloropropane	28.7	1.0	ug/l	25.0		115	70-130			
1,2,4-Trimethylbenzene	27 6	0 50	ug/l	25.0		110	80-120			
1,3,5-Trimethylbenzene	26.8	0.50	ug/l	25.0		107	80-130			
Vinyl Acetate	28.6	1 0	ug/l	25.0		114	40-150			
Vinyl chloride	25 9	0 50	ug/l	25.0		103	70-130			
Xylenes, Total	54 6	1.0	ug/l	50.0		109	60-140			
Freon 113	24.6	2.0	ug/l	25.0		98	60-140			
Surrogate: Dibromofluoromethane	*23 2*		*ug/l*	*25.0*		*93*	*80-130*			
Surrogate: Toluene-d8	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
LCS Dup Analyzed: 03/26/2012 (12C1106-BSD1)										**N1**
Acetone	38 8	10	ug/l	25.0		155	10-150	7	35	*L3, V1*
Benzene	25 4	0.50	ug/l	25.0		102	80-120	2	15	
Bromobenzene	27.5	0 50	ug/l	25 0		110	80-120	0 5	15	
Bromochloromethane	26.6	0 50	ug/l	25.0		106	80-125	3	15	
Bromodichloromethane	28.0	0 50	ug/l	25.0		112	80-120	1	15	
Bromoform	25 0	1 0	ug/l	25 0		100	75-130	0 8	20	
Bromomethane	26 0	1.0	ug/l	25.0		104	55-150	3	20	
2-Butanone (MEK)	30.1	2 5	ug/l	25 0		120	40-150	9	35	
n-Butylbenzene	25 0	0.50	ug/l	25 0		100	80-130	10	15	
sec-Butylbenzene	26.2	0 50	ug/l	25.0		105	80-125	5	15	
tert-Butylbenzene	26 7	0.50	ug/l	25 0		107	80-120	8	15	
Carbon disulfide	24.6	1.0	ug/l	25 0		99	70-140	1	15	
Carbon tetrachloride	29.0	0.50	ug/l	25 0		116	75-130	3	20	
Chlorobenzene	25.2	0 50	ug/l	25 0		101	80-120	2	15	
Chloroethane	23.2	1.0	ug/l	25 0		93	70-130	1	15	
Chloroform	25.4	0 50	ug/l	25 0		101	75-120	1	15	
Chloromethane	24.4	1 0	ug/l	25.0		98	60-140	0 08	20	
2-Chlorotoluene	25.6	0.50	ug/l	25 0		102	80-120	4	15	
4-Chlorotoluene	26 3	0 50	ug/l	25 0		105	80-120	3	15	
Dibromochloromethane	26.8	0.50	ug/l	25 0		107	80-120	0 4	15	
1,2-Dibromo-3-chloropropane	31.7	2 5	ug/l	25.0		127	50-150	0.2	35	*V1*
1,2-Dibromoethane (EDB)	28.3	0 50	ug/l	25.0		113	80-120	4	15	
Dibromomethane	28.8	0.50	ug/l	25 0		115	75-120	4	15	
1,2-Dichlorobenzene	25.6	0.50	ug/l	25 0		102	80-120	6	15	
1,3-Dichlorobenzene	26 0	0.50	ug/l	25 0		104	80-120	6	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		101	80-120	2	15	
Dichlorodifluoromethane	26 7	0 50	ug/l	25 0		107	60-150	3	30	
1,1-Dichloroethane	24.4	0 50	ug/l	25.0		98	70-125	0 6	15	
1,2-Dichloroethane	29.1	0.50	ug/l	25.0		116	75-130	4	15	
1,1-Dichloroethene	25 1	0 50	ug/l	25 0		100	75-125	0.1	20	
cis-1,2-Dichloroethene	25.8	0.50	ug/l	25 0		103	80-120	0.04	15	
trans-1,2-Dichloroethene	25.6	0.50	ug/l	25.0		102	80-120	2	15	
1,2-Dichloropropane	24.0	0 50	ug/l	25 0		96	80-120	0	15	
1,3-Dichloropropane	26.4	0.50	ug/l	25.0		106	80-120	3	15	
2,2-Dichloropropane	26.2	1.0	ug/l	25.0		105	75-130	2	15	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
LCS Dup Analyzed: 03/26/2012 (12C1106-BSD1)										N1
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-120	5	15	
cis-1,3-Dichloropropene	28.5	0.50	ug/l	25.0		114	80-120	3	15	
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0		101	80-125	3	15	
Ethylbenzene	27.4	0.50	ug/l	25.0		110	80-120	4	15	
Hexachlorobutadiene	25.2	1.0	ug/l	25.0		101	40-150	8	35	
2-Hexanone	34.1	2.5	ug/l	25.0		137	20-150	2	35	
Iodomethane	28 8	2.5	ug/l	25 0		115	80-130	0.4	10	
Isopropylbenzene	29.2	0.50	ug/l	25.0		117	80-130	4	15	
p-Isopropyltoluene	25.6	0.50	ug/l	25 0		103	80-130	3	15	
Methylene Chloride	23.1	1 0	ug/l	25 0		92	70-120	2	15	
4-Methyl-2-pentanone (MIBK)	29.3	2 5	ug/l	25.0		117	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	26.5	0.50	ug/l	25.0		106	70-130	8	20	
Naphthalene	28 3	2.5	ug/l	25.0		113	40-150	4	30	
n-Propylbenzene	27 9	0.50	ug/l	25.0		112	75-130	2	15	
Styrene	27.7	0 50	ug/l	25.0		111	80-120	6	15	
1,1,1,2-Tetrachloroethane	28.8	0 50	ug/l	25 0		115	75-125	4	15	
1,1,2,2-Tetrachloroethane	28.7	0.50	ug/l	25.0		115	80-120	0.03	20	
Tetrachloroethene	26.1	0.50	ug/l	25.0		105	70-130	5	20	
Toluene	25 3	0.50	ug/l	25.0		101	80-120	5	15	
1,2,3-Trichlorobenzene	25 6	1 0	ug/l	25.0		102	55-150	5	35	
1,2,4-Trichlorobenzene	26.5	1.0	ug/l	25 0		106	50-150	4	30	
1,1,1-Trichloroethane	27.6	0.50	ug/l	25 0		110	75-125	1	15	
1,1,2-Trichloroethane	26 4	0.50	ug/l	25.0		105	80-120	3	15	
Trichloroethene	25 9	0.50	ug/l	25.0		104	80-120	3	15	
Trichlorofluoromethane	31 1	0.50	ug/l	25.0		124	70-150	0.4	25	
1,2,3-Trichloropropane	28.4	1.0	ug/l	25.0		114	70-130	1	20	
1,2,4-Trimethylbenzene	25.9	0.50	ug/l	25.0		103	80-120	6	15	
1,3,5-Trimethylbenzene	26 9	0.50	ug/l	25.0		108	80-130	0 6	15	
Vinyl Acetate	30.0	1 0	ug/l	25.0		120	40-150	5	25	
Vinyl chloride	26.2	0.50	ug/l	25.0		105	70-130	1	20	
Xylenes, Total	52.8	1.0	ug/l	50 0		106	60-140	3	15	
Freon 113	24.2	2 0	ug/l	25.0		97	60-140	2	15	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Matrix Spike Analyzed: 03/26/2012 (12C1106-MS1)					**Source: PVC1270-02RE1**					**N1**
Acetone	19.1	10	ug/l	25 0	ND	76	10-150			*VJ*
Benzene	25.7	0.50	ug/l	25 0	ND	103	70-125			
Bromobenzene	29.9	0 50	ug/l	25.0	ND	120	75-120			
Bromochloromethane	25.2	0 50	ug/l	25.0	ND	101	75-130			
Bromodichloromethane	27.1	0 50	ug/l	25.0	ND	109	75-125			
Bromoform	22.8	1.0	ug/l	25.0	ND	91	65-125			
Bromomethane	24.1	1.0	ug/l	25.0	ND	96	45-150			
2-Butanone (MEK)	18 6	2.5	ug/l	25 0	ND	74	15-150			
n-Butylbenzene	26.6	0.50	ug/l	25 0	ND	107	70-130			
sec-Butylbenzene	26 4	0.50	ug/l	25 0	ND	105	70-125			
tert-Butylbenzene	27.2	0 50	ug/l	25.0	ND	109	70-125			
Carbon disulfide	24 3	1.0	ug/l	25 0	ND	97	65-145			
Carbon tetrachloride	28.3	0.50	ug/l	25 0	ND	113	65-135			
Chlorobenzene	24.5	0.50	ug/l	25.0	ND	98	75-120			
Chloroethane	23.0	1.0	ug/l	25 0	ND	92	65-140			
Chloroform	24.9	0.50	ug/l	25 0	ND	100	70-130			
Chloromethane	21.6	1.0	ug/l	25.0	ND	86	55-145			
2-Chlorotoluene	25 6	0.50	ug/l	25 0	ND	103	70-125			
4-Chlorotoluene	26.0	0.50	ug/l	25 0	ND	104	70-125			
Dibromochloromethane	24 4	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	29 0	2.5	ug/l	25 0	ND	116	50-150			*VJ*
1,2-Dibromoethane (EDB)	25.4	0 50	ug/l	25.0	ND	102	70-125			
Dibromomethane	25 8	0 50	ug/l	25.0	ND	103	70-120			
1,2-Dichlorobenzene	26.8	0.50	ug/l	25.0	ND	107	75-120			
1,3-Dichlorobenzene	25.7	0 50	ug/l	25.0	ND	103	75-120			
1,4-Dichlorobenzene	25 8	0.50	ug/l	25.0	ND	103	70-125			
Dichlorodifluoromethane	23.2	0.50	ug/l	25 0	ND	93	60-150			
1,1-Dichloroethane	24.7	0 50	ug/l	25.0	ND	99	70-130			
1,2-Dichloroethane	26.4	0.50	ug/l	25.0	ND	106	65-140			
1,1-Dichloroethene	25.7	0 50	ug/l	25 0	ND	103	70-130			
cis-1,2-Dichloroethene	25.6	0.50	ug/l	25.0	ND	102	70-125			
trans-1,2-Dichloroethene	26 4	0.50	ug/l	25.0	ND	106	75-125			
1,2-Dichloropropane	24.3	0 50	ug/l	25.0	ND	97	75-125			
1,3-Dichloropropane	23.6	0.50	ug/l	25.0	ND	94	70-120			
2,2-Dichloropropane	26.3	1.0	ug/l	25.0	ND	105	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Matrix Spike Analyzed: 03/26/2012 (12C1106-MS1)					**Source: PVC1270-02RE1**					**N1**
1,1-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	65-130			
cis-1,3-Dichloropropene	27.4	0.50	ug/l	25.0	ND	110	75-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Ethylbenzene	27.2	0.50	ug/l	25.0	ND	109	70-125			
Hexachlorobutadiene	27.0	1.0	ug/l	25.0	ND	108	40-150			
2-Hexanone	22.8	2.5	ug/l	25.0	ND	91	20-150			
Iodomethane	29.6	2.5	ug/l	25.0	ND	119	60-150			
Isopropylbenzene	30.1	0.50	ug/l	25.0	ND	120	75-130			
p-Isopropyltoluene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Methylene Chloride	22.8	1.0	ug/l	25.0	ND	91	65-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0	ND	95	55-135			
Methyl-tert-butyl Ether (MTBE)	24.5	0.50	ug/l	25.0	ND	98	65-140			
Naphthalene	28.1	2.5	ug/l	25.0	ND	112	40-150			
n-Propylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130			
Styrene	26.2	0.50	ug/l	25.0	ND	105	55-135			
1,1,1,2-Tetrachloroethane	27.5	0.50	ug/l	25.0	ND	110	70-125			
1,1,2,2-Tetrachloroethane	25.2	0.50	ug/l	25.0	ND	101	70-125			
Tetrachloroethene	25.6	0.50	ug/l	25.0	ND	102	65-130			
Toluene	25.9	0.50	ug/l	25.0	ND	104	70-125			
1,2,3-Trichlorobenzene	26.1	1.0	ug/l	25.0	ND	105	50-150			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0	ND	110	50-150			
1,1,1-Trichloroethane	25.9	0.50	ug/l	25.0	ND	104	70-130			
1,1,2-Trichloroethane	24.8	0.50	ug/l	25.0	ND	99	75-125			
Trichloroethene	26.5	0.50	ug/l	25.0	0.840	103	70-125			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	65-150			
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trimethylbenzene	27.5	0.50	ug/l	25.0	ND	110	70-125			
1,3,5-Trimethylbenzene	27.3	0.50	ug/l	25.0	ND	109	75-130			
Vinyl Acetate	25.0	1.0	ug/l	25.0	ND	100	40-150			
Vinyl chloride	23.1	0.50	ug/l	25.0	ND	92	60-140			
Xylenes, Total	53.0	1.0	ug/l	50.0	ND	106	75-120			
Freon 113	24.9	2.0	ug/l	25.0	ND	100	65-140			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-130*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*101*	*80-125*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Matrix Spike Dup Analyzed: 03/26/2012 (12C1106-MSD1)					**Source: PVC1270-02RE1**					**N1**
Acetone	17 4	10	ug/l	25.0	ND	70	10-150	9	35	*V1*
Benzene	24.6	0 50	ug/l	25 0	ND	98	70-125	4	25	
Bromobenzene	27 8	0.50	ug/l	25 0	ND	111	75-120	7	20	
Bromochloromethane	25.7	0.50	ug/l	25 0	ND	103	75-130	2	20	
Bromodichloromethane	25.5	0 50	ug/l	25.0	ND	102	75-125	6	20	
Bromoform	23.0	1 0	ug/l	25.0	ND	92	65-125	1	25	
Bromomethane	24.4	1 0	ug/l	25 0	ND	98	45-150	1	35	
2-Butanone (MEK)	18.6	2.5	ug/l	25.0	ND	74	15-150	0 05	30	
n-Butylbenzene	26 0	0.50	ug/l	25.0	ND	104	70-130	3	30	
sec-Butylbenzene	26 3	0.50	ug/l	25.0	ND	105	70-125	0 3	30	
tert-Butylbenzene	26.7	0.50	ug/l	25 0	ND	107	70-125	2	25	
Carbon disulfide	23.9	1 0	ug/l	25.0	ND	96	65-145	2	25	
Carbon tetrachloride	26 0	0.50	ug/l	25.0	ND	104	65-135	8	25	
Chlorobenzene	24.8	0 50	ug/l	25.0	ND	99	75-120	0.9	20	
Chloroethane	23.7	1 0	ug/l	25.0	ND	95	65-140	3	25	
Chloroform	23.9	0.50	ug/l	25.0	ND	96	70-130	4	20	
Chloromethane	23 2	1 0	ug/l	25.0	ND	93	55-145	7	35	
2-Chlorotoluene	25 4	0 50	ug/l	25.0	ND	102	70-125	0.9	25	
4-Chlorotoluene	25.6	0.50	ug/l	25.0	ND	102	70-125	2	25	
Dibromochloromethane	23.7	0 50	ug/l	25.0	ND	95	70-130	3	20	
1,2-Dibromo-3-chloropropane	24 1	2 5	ug/l	25.0	ND	96	50-150	18	30	*V1*
1,2-Dibromoethane (EDB)	24 3	0.50	ug/l	25.0	ND	97	70-125	5	20	
Dibromomethane	25.2	0.50	ug/l	25.0	ND	101	70-120	2	20	
1,2-Dichlorobenzene	26.4	0.50	ug/l	25.0	ND	106	75-120	2	20	
1,3-Dichlorobenzene	26.4	0.50	ug/l	25.0	ND	106	75-120	3	25	
1,4-Dichlorobenzene	24.8	0 50	ug/l	25.0	ND	99	70-125	4	20	
Dichlorodifluoromethane	23 3	0.50	ug/l	25.0	ND	93	60-150	0.04	30	
1,1-Dichloroethane	23.3	0.50	ug/l	25 0	ND	93	70-130	6	20	
1,2-Dichloroethane	25.5	0.50	ug/l	25 0	ND	102	65-140	4	20	
1,1-Dichloroethene	25 2	0.50	ug/l	25.0	ND	101	70-130	2	25	
cis-1,2-Dichloroethene	25.4	0.50	ug/l	25 0	ND	101	70-125	0.9	20	
trans-1,2-Dichloroethene	25 6	0.50	ug/l	25 0	ND	102	75-125	3	25	
1,2-Dichloropropane	23.9	0.50	ug/l	25.0	ND	95	75-125	2	20	
1,3-Dichloropropane	24.0	0 50	ug/l	25.0	ND	96	70-120	2	20	
2,2-Dichloropropane	25 3	1 0	ug/l	25.0	ND	101	65-140	4	25	

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Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1106 Extracted: 03/26/12										
Matrix Spike Dup Analyzed: 03/26/2012 (12C1106-MSD1)					**Source: PVC1270-02RE1**					**N1**
1,1-Dichloropropene	24.5	0.50	ug/l	25 0	ND	98	65-130	4	25	
cis-1,3-Dichloropropene	26.1	0.50	ug/l	25 0	ND	104	75-130	5	20	
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-130	0 7	20	
Ethylbenzene	26.3	0.50	ug/l	25 0	ND	105	70-125	3	25	
Hexachlorobutadiene	25 5	1.0	ug/l	25.0	ND	102	40-150	6	30	
2-Hexanone	20 4	2 5	ug/l	25.0	ND	82	20-150	11	30	
Iodomethane	28.4	2.5	ug/l	25.0	ND	113	60-150	4	30	
Isopropylbenzene	29.7	0.50	ug/l	25 0	ND	119	75-130	1	25	
p-Isopropyltoluene	25.3	0.50	ug/l	25.0	ND	101	70-130	2	30	
Methylene Chloride	21.5	1.0	ug/l	25.0	ND	86	65-130	6	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	55-135	4	25	
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0	ND	93	65-140	5	25	
Naphthalene	25.8	2 5	ug/l	25.0	ND	103	40-150	8	30	
n-Propylbenzene	28.1	0.50	ug/l	25.0	ND	112	70-130	2	30	
Styrene	25.0	0.50	ug/l	25.0	ND	100	55-135	5	35	
1,1,1,2-Tetrachloroethane	26.8	0.50	ug/l	25.0	ND	107	70-125	2	20	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0	ND	101	70-125	0.08	25	
Tetrachloroethene	25.3	0 50	ug/l	25.0	ND	101	65-130	1	25	
Toluene	25 5	0.50	ug/l	25.0	ND	102	70-125	2	20	
1,2,3-Trichlorobenzene	24 9	1 0	ug/l	25 0	ND	100	50-150	5	35	
1,2,4-Trichlorobenzene	26 8	1.0	ug/l	25 0	ND	107	50-150	2	25	
1,1,1-Trichloroethane	25.2	0.50	ug/l	25 0	ND	101	70-130	3	25	
1,1,2-Trichloroethane	24 2	0.50	ug/l	25.0	ND	97	75-125	3	20	
Trichloroethene	26.1	0.50	ug/l	25 0	0.840	101	70-125	2	25	
Trichlorofluoromethane	26.4	0 50	ug/l	25.0	ND	106	65-150	8	25	
1,2,3-Trichloropropane	24.6	1 0	ug/l	25.0	ND	98	70-130	3	25	
1,2,4-Trimethylbenzene	26 0	0.50	ug/l	25 0	ND	104	70-125	6	30	
1,3,5-Trimethylbenzene	27.2	0 50	ug/l	25 0	ND	109	75-130	0.3	25	
Vinyl Acetate	24.0	1.0	ug/l	25.0	ND	96	40-150	4	30	
Vinyl chloride	23.9	0.50	ug/l	25.0	ND	96	60-140	3	25	
Xylenes, Total	51.4	1.0	ug/l	50.0	ND	103	75-120	3	15	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	65-140	6	20	
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*93*	*80-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0816 Extracted: 03/19/12										
Blank Analyzed: 03/21/2012 (12C0816-BLK1)										**N1**
1,4-Dioxane	ND	1 0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.2*		*ug/l*	*20.0*		*56*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*16.4*		*ug/l*	*20.0*		*82*	*59.9-120*			
LCS Analyzed: 03/21/2012 (12C0816-BS1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*9.95*		*ug/l*	*20 0*		*50*	*32-57*			
Surrogate: Nitrobenzene-d5	*15.8*		*ug/l*	*20.0*		*79*	*38-125*			
LCS Dup Analyzed: 03/21/2012 (12C0816-BSD1)										**Q8, N1**
1,4-Dioxane	19.6	1 0	ug/l	20 0		98	80-120	0 4	25	
Surrogate: 1,4-Dioxane-d8	*13.5*		*ug/l*	*20 0*		*67*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*38-125*			

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Report Number: PVC1264

Sampled: 03/15/12
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DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project ID: OU3 (AZ)
Report Number: PVC1264

Sampled: 03/15/12
Received: 03/15/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X
NA	Water		

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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PVC1264

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
ERM	Jason Wilker	3/15/2012	149311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
7272 E Indian School Rd #100	480-998-2401		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Scottsdale / AZ / 85251	Adam Nagle	Kyle Emily	
Project Name and Location (State)	**Carrier/Waybill Number**		
OU3 (AZ)			
Contract/Purchase Order/Quote No.			
0096498.032			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	1,4 Dioxane 8270	Special Instructions/ Conditions of Receipt
OU3-14M-M-031512	3/15/12	1540		x			2			3			X	X	Level IV

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
Run Level IV

	Date	Time		Date	Time
1. Relinquished By: ERM	3/15/12	1747	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By	3/15/12	17:47

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2.3°C

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LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3/0096498.032

Sampled: 03/16/12
Received: 03/16/12
Revised: 04/19/12 17:11

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1354-01	OU3-6M-M-031612	Water
PVC1354-02	OU3-6D-D-031612	Water
PVC1354-03	OU3-12D-D-031612	Water
PVC1354-04	SC-MW-1D-5-031612	Water
PVC1354-05	GW-EB3-031612	Water
PVC1354-06	GW-L1-1-031612	Water

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice 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/N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-PVC1354-06 - Re-analysis was performed to meet required reporting limits. This sample is a trip blank. Re-analysis took place using a vial with headspace. N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study. S10-Surrogate recovery was above acceptance limits.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Report revised on 04/1/12 to edit N1/N1a qualifier and add N1b qualifier. Original report also had Dichlorodifluoromethane and 1,1 Dichloroethene reported from an insturment that was not calibrated to meet the required RL. The sample was re-analyzed on a different instrument. The re-analysis is reported.

Reviewed By:

TestAmerica Phoenix

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-01 (OU3-6M-M-031612 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	**0.67**	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-01 (OU3-6M-M-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	**0.57**	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	**0.69**	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-01RE1 (OU3-6M-M-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*103 %*				

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Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-02 (OU3-6D-D-031612 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-02 (OU3-6D-D-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-02RE1 (OU3-6D-D-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*101 %*				

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Project Manager

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-03 (OU3-12D-D-031612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-03 (OU3-12D-D-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-03RE1 (OU3-12D-D-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*104 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 (AZ)
Report Number: PVC1259

Sampled: 03/15/12
Received: 03/15/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1259-05 (OU3-4S-S-031512 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	**0.87**	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-04 (SC-MW-1D-5-031612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	**2.0**	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	**0.55**	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Kylie Emily
Project Manager

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-04 (SC-MW-1D-5-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	**0.62**	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	**1.2**	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*91 %*				

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Attention: Jason Hilker

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Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-04RE1 (SC-MW-1D-5-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	**0.64**	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*113 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*105 %*				

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Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-05 (GW-EB3-031612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	1.7	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	7.1	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	0.94	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-05 (GW-EB3-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-05RE1 (GW-EB3-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*113 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-06 (GW-L1-1-031612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-06 (GW-L1-1-031612 - Water) - cont.								N1a
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1b
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*92 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-06RE1 (GW-L1-1-031612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	N1a
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	N1a
Surrogate: Dibromofluoromethane (80-130%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*105 %*				

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Sampled: 03/16/12
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1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1354-01 (OU3-6M-M-031612 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*60 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*92 %*				
Sample ID: PVC1354-02 (OU3-6D-D-031612 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*51 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*92 %*				
Sample ID: PVC1354-03 (OU3-12D-D-031612 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*57 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*95 %*				
Sample ID: PVC1354-04 (SC-MW-1D-5-031612 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*54 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*80 %*				

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Scottsdale, AZ 85251
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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										N1a
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0 50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1 0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0 50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0 50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0 50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0 50	ug/l							
1,1-Dichloroethene	ND	0 50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

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Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										N1a
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0 50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1 0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0 50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1 0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0 50	ug/l							
Trichloroethene	ND	0 50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1 0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1 0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25 0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1a
Acetone	22 9	10	ug/l	25 0		91	10-150			
Benzene	25 2	0 50	ug/l	25.0		101	80-120			
Bromobenzene	29.4	0.50	ug/l	25.0		117	80-120			
Bromochloromethane	27 5	0.50	ug/l	25 0		110	80-125			
Bromodichloromethane	24 6	0.50	ug/l	25 0		99	80-120			
Bromoform	25.9	1.0	ug/l	25.0		104	75-130			
Bromomethane	25.3	1 0	ug/l	25 0		101	55-150			
2-Butanone (MEK)	24.9	2 5	ug/l	25.0		100	40-150			
n-Butylbenzene	24.2	0.50	ug/l	25.0		97	80-130			
sec-Butylbenzene	26.2	0.50	ug/l	25.0		105	80-125			
tert-Butylbenzene	27.0	0.50	ug/l	25.0		108	80-120			
Carbon disulfide	23.4	1.0	ug/l	25.0		93	70-140			
Carbon tetrachloride	26.6	0 50	ug/l	25 0		106	75-130			
Chlorobenzene	27 0	0.50	ug/l	25.0		108	80-120			
Chloroethane	20.3	1.0	ug/l	25.0		81	70-130			
Chloroform	23.6	0 50	ug/l	25.0		95	75-120			
Chloromethane	21.9	1 0	ug/l	25 0		88	60-140			
2-Chlorotoluene	24 9	0 50	ug/l	25 0		100	80-120			
4-Chlorotoluene	25.3	0 50	ug/l	25.0		101	80-120			
Dibromochloromethane	25.0	0 50	ug/l	25.0		100	80-120			
1,2-Dibromo-3-chloropropane	20.8	2.5	ug/l	25 0		83	50-150			
1,2-Dibromoethane (EDB)	26 9	0.50	ug/l	25.0		108	80-120			
Dibromomethane	27.3	0 50	ug/l	25.0		109	75-120			
1,2-Dichlorobenzene	28.3	0.50	ug/l	25 0		113	80-120			
1,3-Dichlorobenzene	28 7	0 50	ug/l	25.0		115	80-120			
1,4-Dichlorobenzene	27 7	0.50	ug/l	25 0		111	80-120			
Dichlorodifluoromethane	22.6	0.50	ug/l	25 0		90	60-150			
1,1-Dichloroethane	22 8	0.50	ug/l	25 0		91	70-125			
1,2-Dichloroethane	25.2	0 50	ug/l	25.0		101	75-130			
1,1-Dichloroethene	23.7	0 50	ug/l	25.0		95	75-125			
cis-1,2-Dichloroethene	26.0	0 50	ug/l	25.0		104	80-120			
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25 0		102	80-120			
1,2-Dichloropropane	24 2	0 50	ug/l	25 0		97	80-120			
1,3-Dichloropropane	25.0	0 50	ug/l	25 0		100	80-120			
2,2-Dichloropropane	24.5	1.0	ug/l	25.0		98	75-130			

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Scottsdale, AZ 85251
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Sampled: 03/16/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1a
1,1-Dichloropropene	24.8	0.50	ug/l	25.0		99	75-120			
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	80-120			
trans-1,3-Dichloropropene	23.5	0 50	ug/l	25.0		94	80-125			
Ethylbenzene	25.5	0.50	ug/l	25 0		102	80-120			
Hexachlorobutadiene	26 4	1.0	ug/l	25 0		106	40-150			
2-Hexanone	27.3	2.5	ug/l	25.0		109	20-150			
Iodomethane	29 8	2 5	ug/l	25.0		119	80-130			
Isopropylbenzene	29 5	0.50	ug/l	25.0		118	80-130			
p-Isopropyltoluene	25 5	0.50	ug/l	25.0		102	80-130			
Methylene Chloride	22.5	1.0	ug/l	25.0		90	70-120			
4-Methyl-2-pentanone (MIBK)	21.2	2.5	ug/l	25.0		85	60-135			
Methyl-tert-butyl Ether (MTBE)	21.2	0.50	ug/l	25.0		85	70-130			
Naphthalene	28.4	2.5	ug/l	25 0		114	40-150			
n-Propylbenzene	26.2	0.50	ug/l	25.0		105	75-130			
Styrene	26 8	0.50	ug/l	25.0		107	80-120			
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25 0		109	75-125			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25 0		102	80-120			
Tetrachloroethene	27.6	0 50	ug/l	25.0		110	70-130			
Toluene	27 6	0.50	ug/l	25.0		110	80-120			
1,2,3-Trichlorobenzene	30.3	1.0	ug/l	25 0		121	55-150			
1,2,4-Trichlorobenzene	31 0	1.0	ug/l	25.0		124	50-150			
1,1,1-Trichloroethane	24 5	0.50	ug/l	25.0		98	75-125			
1,1,2-Trichloroethane	26.6	0.50	ug/l	25 0		107	80-120			
Trichloroethene	26 5	0.50	ug/l	25.0		106	80-120			
Trichlorofluoromethane	26 9	0 50	ug/l	25.0		108	70-150			
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	70-130			
1,2,4-Trimethylbenzene	25.8	0.50	ug/l	25 0		103	80-120			
1,3,5-Trimethylbenzene	26.0	0.50	ug/l	25.0		104	80-130			
Vinyl Acetate	21.6	1.0	ug/l	25 0		87	40-150			
Vinyl chloride	22 1	0.50	ug/l	25.0		88	70-130			
Xylenes, Total	54.3	1.0	ug/l	50.0		109	60-140			
Freon 113	24 6	2.0	ug/l	25.0		98	60-140			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-125*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										N1a
Acetone	22 1	10	ug/l	25 0		88	10-150	3	35	
Benzene	24 6	0.50	ug/l	25 0		98	80-120	2	15	
Bromobenzene	27 9	0.50	ug/l	25 0		112	80-120	5	15	
Bromochloromethane	25.9	0.50	ug/l	25 0		104	80-125	6	15	
Bromodichloromethane	24.0	0.50	ug/l	25 0		96	80-120	3	15	
Bromoform	25 6	1 0	ug/l	25 0		102	75-130	1	20	
Bromomethane	24.0	1.0	ug/l	25 0		96	55-150	5	20	
2-Butanone (MEK)	24 7	2.5	ug/l	25 0		99	40-150	0 9	35	
n-Butylbenzene	24 0	0.50	ug/l	25 0		96	80-130	0.8	15	
sec-Butylbenzene	26 0	0.50	ug/l	25.0		104	80-125	0 9	15	
tert-Butylbenzene	26.5	0.50	ug/l	25 0		106	80-120	2	15	
Carbon disulfide	22.4	1.0	ug/l	25.0		90	70-140	4	15	
Carbon tetrachloride	26 1	0 50	ug/l	25.0		104	75-130	2	20	
Chlorobenzene	26.3	0 50	ug/l	25.0		105	80-120	2	15	
Chloroethane	19 6	1.0	ug/l	25 0		78	70-130	4	15	
Chloroform	22 6	0.50	ug/l	25 0		91	75-120	4	15	
Chloromethane	21.1	1.0	ug/l	25.0		85	60-140	4	20	
2-Chlorotoluene	24 3	0.50	ug/l	25 0		97	80-120	2	15	
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	80-120	2	15	
Dibromochloromethane	24 4	0.50	ug/l	25 0		98	80-120	2	15	
1,2-Dibromo-3-chloropropane	20 9	2.5	ug/l	25 0		84	50-150	0 3	35	
1,2-Dibromoethane (EDB)	26.7	0.50	ug/l	25 0		107	80-120	0.7	15	
Dibromomethane	26 4	0 50	ug/l	25 0		106	75-120	3	15	
1,2-Dichlorobenzene	27.6	0.50	ug/l	25.0		110	80-120	3	15	
1,3-Dichlorobenzene	28.1	0 50	ug/l	25 0		112	80-120	2	15	
1,4-Dichlorobenzene	27.3	0.50	ug/l	25.0		109	80-120	2	15	
Dichlorodifluoromethane	21.8	0.50	ug/l	25 0		87	60-150	3	30	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-125	4	15	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	75-130	5	15	
1,1-Dichloroethene	23.1	0.50	ug/l	25 0		92	75-125	3	20	
cis-1,2-Dichloroethene	24.9	0 50	ug/l	25 0		100	80-120	4	15	
trans-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		100	80-120	2	15	
1,2-Dichloropropane	23.6	0.50	ug/l	25.0		94	80-120	3	15	
1,3-Dichloropropane	24 5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	75-130	0.2	15	

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4625 East Cotton Center Blvd Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										**N1a**
1,1-Dichloropropene	24 3	0.50	ug/l	25.0		97	75-120	2	15	
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25 0		95	80-120	4	15	
trans-1,3-Dichloropropene	22.9	0.50	ug/l	25.0		92	80-125	2	15	
Ethylbenzene	25.2	0 50	ug/l	25.0		101	80-120	1	15	
Hexachlorobutadiene	26.6	1.0	ug/l	25.0		107	40-150	0.9	35	
2-Hexanone	27 0	2.5	ug/l	25.0		108	20-150	1	35	
Iodomethane	28 8	2.5	ug/l	25.0		115	80-130	4	10	
Isopropylbenzene	29.0	0 50	ug/l	25.0		116	80-130	2	15	
p-Isopropyltoluene	25.1	0.50	ug/l	25.0		100	80-130	1	15	
Methylene Chloride	21.1	1 0	ug/l	25.0		84	70-120	7	15	
4-Methyl-2-pentanone (MIBK)	21 5	2 5	ug/l	25.0		86	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25 0		82	70-130	3	20	
Naphthalene	28.1	2.5	ug/l	25.0		112	40-150	1	30	
n-Propylbenzene	26.0	0 50	ug/l	25.0		104	75-130	1	15	
Styrene	26.2	0.50	ug/l	25 0		105	80-120	2	15	
1,1,1,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		105	75-125	4	15	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0		101	80-120	1	20	
Tetrachloroethene	27.6	0.50	ug/l	25 0		111	70-130	0 07	20	
Toluene	27.0	0.50	ug/l	25 0		108	80-120	2	15	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	55-150	5	35	
1,2,4-Trichlorobenzene	30.1	1 0	ug/l	25 0		120	50-150	3	30	
1,1,1-Trichloroethane	23.8	0.50	ug/l	25.0		95	75-125	3	15	
1,1,2-Trichloroethane	26.1	0 50	ug/l	25.0		104	80-120	2	15	
Trichloroethene	26.2	0 50	ug/l	25 0		105	80-120	1	15	
Trichlorofluoromethane	26.4	0.50	ug/l	25.0		106	70-150	2	25	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25 0		103	70-130	3	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	80-120	3	15	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0		102	80-130	2	15	
Vinyl Acetate	20 7	1 0	ug/l	25.0		83	40-150	5	25	
Vinyl chloride	21.3	0.50	ug/l	25.0		85	70-130	4	20	
Xylenes, Total	53.4	1.0	ug/l	50 0		107	60-140	2	15	
Freon 113	23 7	2.0	ug/l	25.0		95	60-140	4	15	
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-125*			

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					N1a
Acetone	11 4	10	ug/l	25 0	ND	45	10-150			
Benzene	24.8	0.50	ug/l	25 0	ND	99	70-125			
Bromobenzene	28 4	0 50	ug/l	25.0	ND	114	75-120			
Bromochloromethane	28.5	0 50	ug/l	25.0	ND	114	75-130			
Bromodichloromethane	25.2	0 50	ug/l	25 0	ND	101	75-125			
Bromoform	25.7	1 0	ug/l	25.0	ND	103	65-125			
Bromomethane	24 4	1.0	ug/l	25.0	ND	98	45-150			
2-Butanone (MEK)	17.5	2.5	ug/l	25.0	ND	70	15-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	24.9	0 50	ug/l	25.0	ND	100	70-125			
tert-Butylbenzene	25 6	0.50	ug/l	25 0	ND	102	70-125			
Carbon disulfide	22.1	1.0	ug/l	25.0	ND	88	65-145			
Carbon tetrachloride	26 5	0.50	ug/l	25.0	ND	106	65-135			
Chlorobenzene	26 2	0.50	ug/l	25 0	ND	105	75-120			
Chloroethane	19.8	1 0	ug/l	25.0	ND	79	65-140			
Chloroform	24.0	0 50	ug/l	25.0	0.440	94	70-130			
Chloromethane	20.6	1 0	ug/l	25.0	ND	82	55-145			
2-Chlorotoluene	23 4	0.50	ug/l	25 0	ND	93	70-125			
4-Chlorotoluene	24 0	0 50	ug/l	25.0	ND	96	70-125			
Dibromochloromethane	26 1	0 50	ug/l	25 0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	19.8	2 5	ug/l	25.0	ND	79	50-150			
1,2-Dibromoethane (EDB)	27.3	0.50	ug/l	25.0	ND	109	70-125			
Dibromomethane	28.2	0 50	ug/l	25.0	ND	113	70-120			
1,2-Dichlorobenzene	27 6	0 50	ug/l	25 0	ND	110	75-120			
1,3-Dichlorobenzene	27 6	0.50	ug/l	25.0	ND	111	75-120			
1,4-Dichlorobenzene	27.1	0.50	ug/l	25.0	ND	108	70-125			
Dichlorodifluoromethane	22.2	0.50	ug/l	25 0	ND	89	60-150			
1,1-Dichloroethane	22 5	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloroethane	26.1	0 50	ug/l	25.0	ND	104	65-140			
1,1-Dichloroethene	23 0	0 50	ug/l	25.0	ND	92	70-130			
cis-1,2-Dichloroethene	25.9	0.50	ug/l	25 0	ND	103	70-125			
trans-1,2-Dichloroethene	25.1	0 50	ug/l	25.0	ND	100	75-125			
1,2-Dichloropropane	24.1	0.50	ug/l	25.0	ND	97	75-125			
1,3-Dichloropropane	25.0	0.50	ug/l	25 0	ND	100	70-120			
2,2-Dichloropropane	23 2	1.0	ug/l	25 0	ND	93	65-140			

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					**N1a**
1,1-Dichloropropene	24 0	0.50	ug/l	25 0	ND	96	65-130			
cis-1,3-Dichloropropene	24 8	0 50	ug/l	25 0	ND	99	75-130			
trans-1,3-Dichloropropene	24 4	0.50	ug/l	25 0	ND	98	70-130			
Ethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-125			
Hexachlorobutadiene	26.5	1.0	ug/l	25.0	ND	106	40-150			
2-Hexanone	18 6	2 5	ug/l	25 0	ND	74	20-150			
Iodomethane	29 7	2 5	ug/l	25.0	ND	119	60-150			
Isopropylbenzene	27.7	0.50	ug/l	25.0	ND	111	75-130			
p-Isopropyltoluene	24.4	0.50	ug/l	25 0	ND	98	70-130			
Methylene Chloride	22.0	1.0	ug/l	25 0	ND	88	65-130			
4-Methyl-2-pentanone (MIBK)	20.9	2.5	ug/l	25.0	ND	84	55-135			
Methyl-tert-butyl Ether (MTBE)	22.6	0.50	ug/l	25.0	ND	91	65-140			
Naphthalene	27.7	2.5	ug/l	25.0	ND	111	40-150			
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130			
Styrene	24.7	0.50	ug/l	25.0	ND	99	55-135			
1,1,1,2-Tetrachloroethane	27 1	0.50	ug/l	25.0	ND	109	70-125			
1,1,2,2-Tetrachloroethane	25.1	0 50	ug/l	25 0	ND	100	70-125			
Tetrachloroethene	27.8	0.50	ug/l	25 0	1.05	107	65-130			
Toluene	27.5	0.50	ug/l	25.0	ND	110	70-125			
1,2,3-Trichlorobenzene	29.8	1 0	ug/l	25.0	ND	119	50-150			
1,2,4-Trichlorobenzene	30.5	1.0	ug/l	25.0	ND	122	50-150			
1,1,1-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,1,2-Trichloroethane	27.7	0.50	ug/l	25.0	ND	111	75-125			
Trichloroethene	27.4	0.50	ug/l	25 0	0.920	106	70-125			
Trichlorofluoromethane	26.6	0 50	ug/l	25 0	ND	106	65-150			
1,2,3-Trichloropropane	25.6	1 0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	24 2	0 50	ug/l	25.0	ND	97	70-125			
1,3,5-Trimethylbenzene	24.6	0 50	ug/l	25.0	ND	98	75-130			
Vinyl Acetate	20.0	1.0	ug/l	25.0	ND	80	40-150			
Vinyl chloride	20.4	0.50	ug/l	25.0	ND	82	60-140			
Xylenes, Total	53.0	1.0	ug/l	50.0	ND	106	75-120			
Freon 113	24 4	2 0	ug/l	25 0	ND	98	65-140			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*93*	*80-125*			

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					**N1a**
Acetone	12.6	10	ug/l	25 0	ND	50	10-150	10	35	
Benzene	24.9	0.50	ug/l	25.0	ND	100	70-125	0.3	25	
Bromobenzene	28.6	0.50	ug/l	25.0	ND	114	75-120	0.7	20	
Bromochloromethane	28.3	0 50	ug/l	25 0	ND	113	75-130	0 7	20	
Bromodichloromethane	24.9	0.50	ug/l	25.0	ND	100	75-125	1	20	
Bromoform	25.9	1.0	ug/l	25 0	ND	104	65-125	0.8	25	
Bromomethane	24 4	1.0	ug/l	25.0	ND	97	45-150	0.2	35	
2-Butanone (MEK)	18.8	2 5	ug/l	25.0	ND	75	15-150	7	30	
n-Butylbenzene	23.4	0.50	ug/l	25 0	ND	94	70-130	1	30	
sec-Butylbenzene	25.3	0 50	ug/l	25.0	ND	101	70-125	2	30	
tert-Butylbenzene	25 9	0.50	ug/l	25.0	ND	104	70-125	1	25	
Carbon disulfide	22.7	1.0	ug/l	25 0	ND	91	65-145	3	25	
Carbon tetrachloride	26 2	0.50	ug/l	25 0	ND	105	65-135	1	25	
Chlorobenzene	26.4	0.50	ug/l	25.0	ND	106	75-120	1	20	
Chloroethane	20.2	1.0	ug/l	25.0	ND	81	65-140	2	25	
Chloroform	24 4	0.50	ug/l	25.0	0 440	96	70-130	1	20	
Chloromethane	21.2	1 0	ug/l	25.0	ND	85	55-145	3	35	
2-Chlorotoluene	23 9	0.50	ug/l	25.0	ND	95	70-125	2	25	
4-Chlorotoluene	24.1	0.50	ug/l	25 0	ND	97	70-125	0.7	25	
Dibromochloromethane	26 1	0 50	ug/l	25 0	ND	105	70-130	0.2	20	
1,2-Dibromo-3-chloropropane	20.2	2 5	ug/l	25 0	ND	81	50-150	2	30	
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25 0	ND	110	70-125	0 6	20	
Dibromomethane	27 6	0 50	ug/l	25.0	ND	110	70-120	2	20	
1,2-Dichlorobenzene	28.0	0 50	ug/l	25.0	ND	112	75-120	2	20	
1,3-Dichlorobenzene	28 0	0 50	ug/l	25.0	ND	112	75-120	1	25	
1,4-Dichlorobenzene	27 1	0.50	ug/l	25.0	ND	108	70-125	0.2	20	
Dichlorodifluoromethane	22.3	0.50	ug/l	25.0	ND	89	60-150	0.5	30	
1,1-Dichloroethane	22.6	0 50	ug/l	25.0	ND	90	70-130	0 3	20	
1,2-Dichloroethane	26 4	0.50	ug/l	25 0	ND	105	65-140	1	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-130	2	25	
cis-1,2-Dichloroethene	26 1	0.50	ug/l	25.0	ND	104	70-125	0 7	20	
trans-1,2-Dichloroethene	25 4	0 50	ug/l	25.0	ND	102	75-125	2	25	
1,2-Dichloropropane	24 0	0.50	ug/l	25 0	ND	96	75-125	0.3	20	
1,3-Dichloropropane	25 4	0 50	ug/l	25.0	ND	102	70-120	2	20	
2,2-Dichloropropane	22 9	1 0	ug/l	25.0	ND	92	65-140	1	25	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					**N1a**
1,1-Dichloropropene	23.9	0.50	ug/l	25 0	ND	96	65-130	0.3	25	
cis-1,3-Dichloropropene	24.2	0 50	ug/l	25.0	ND	97	75-130	3	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	70-130	2	20	
Ethylbenzene	24 8	0.50	ug/l	25 0	ND	99	70-125	0.08	25	
Hexachlorobutadiene	26.1	1.0	ug/l	25 0	ND	104	40-150	2	30	
2-Hexanone	20 8	2.5	ug/l	25.0	ND	83	20-150	11	30	
Iodomethane	30.5	2.5	ug/l	25 0	ND	122	60-150	3	30	
Isopropylbenzene	28 1	0.50	ug/l	25.0	ND	112	75-130	1	25	
p-Isopropyltoluene	24.6	0.50	ug/l	25.0	ND	99	70-130	0.9	30	
Methylene Chloride	22.5	1.0	ug/l	25 0	ND	90	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	21.2	2.5	ug/l	25.0	ND	85	55-135	2	25	
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25 0	ND	90	65-140	0.7	25	
Naphthalene	28.1	2.5	ug/l	25.0	ND	112	40-150	1	30	
n-Propylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130	2	30	
Styrene	25 0	0.50	ug/l	25.0	ND	100	55-135	1	35	
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0	ND	109	70-125	0.1	20	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25.0	ND	101	70-125	0.8	25	
Tetrachloroethene	28.3	0.50	ug/l	25.0	1.05	109	65-130	2	25	
Toluene	27 1	0.50	ug/l	25.0	ND	108	70-125	2	20	
1,2,3-Trichlorobenzene	28.9	1 0	ug/l	25.0	ND	116	50-150	3	35	
1,2,4-Trichlorobenzene	29.8	1.0	ug/l	25.0	ND	119	50-150	2	25	
1,1,1-Trichloroethane	24.6	0.50	ug/l	25.0	ND	99	70-130	2	25	
1,1,2-Trichloroethane	26 9	0.50	ug/l	25 0	ND	108	75-125	3	20	
Trichloroethene	26.8	0.50	ug/l	25.0	0 920	104	70-125	2	25	
Trichlorofluoromethane	26.7	0.50	ug/l	25.0	ND	107	65-150	0 3	25	
1,2,3-Trichloropropane	26 4	1.0	ug/l	25.0	ND	106	70-130	3	25	
1,2,4-Trimethylbenzene	24 7	0.50	ug/l	25.0	ND	99	70-125	2	30	
1,3,5-Trimethylbenzene	24 8	0.50	ug/l	25.0	ND	99	75-130	1	25	
Vinyl Acetate	20.2	1.0	ug/l	25.0	ND	81	40-150	1	30	
Vinyl chloride	21.1	0.50	ug/l	25.0	ND	84	60-140	3	25	
Xylenes, Total	53.6	1.0	ug/l	50.0	ND	107	75-120	1	15	
Freon 113	24.5	2.0	ug/l	25.0	ND	98	65-140	0.3	20	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1283 Extracted: 03/28/12										
Blank Analyzed: 03/28/2012 (12C1283-BLK1)										N1a
Dichlorodifluoromethane	ND	0 50	ug/l							
1,1-Dichloroethene	ND	0 50	ug/l							
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25 0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25 0*		*99*	*80-125*			
LCS Analyzed: 03/28/2012 (12C1283-BS1)										N1a
Dichlorodifluoromethane	27 2	0.50	ug/l	25 0		109	60-150			
1,1-Dichloroethene	24 6	0.50	ug/l	25.0		98	75-125			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*24 8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-125*			
LCS Dup Analyzed: 03/28/2012 (12C1283-BSD1)										N1a
Dichlorodifluoromethane	28 3	0.50	ug/l	25 0		113	60-150	4	30	
1,1-Dichloroethene	26.1	0 50	ug/l	25.0		104	75-125	6	20	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25 0*		*111*	*80-125*			
Matrix Spike Analyzed: 03/28/2012 (12C1283-MS1)					**Source: PVC1354-01RE1**					N1a
Dichlorodifluoromethane	25 9	0 50	ug/l	25 0	ND	104	60-150			
1,1-Dichloroethene	25.7	0 50	ug/l	25 0	0 340	101	70-130			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*		*ug/l*	*25.0*		*111*	*80-125*			
Matrix Spike Dup Analyzed: 03/28/2012 (12C1283-MSD1)					**Source: PVC1354-01RE1**					N1a
Dichlorodifluoromethane	32.2	0.50	ug/l	25.0	ND	129	60-150	21	30	
1,1-Dichloroethene	29.2	0 50	ug/l	25 0	0.340	115	70-130	13	25	
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*111*	*80-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25.0*		*108*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0816 Extracted: 03/19/12										
Blank Analyzed: 03/21/2012 (12C0816-BLK1)										**N1a**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.2*		*ug/l*	*20.0*		*56*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*16.4*		*ug/l*	*20.0*		*82*	*59.9-120*			
LCS Analyzed: 03/21/2012 (12C0816-BS1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*9.95*		*ug/l*	*20.0*		*50*	*32-57*			
Surrogate: Nitrobenzene-d5	*15.8*		*ug/l*	*20.0*		*79*	*38-125*			
LCS Dup Analyzed: 03/21/2012 (12C0816-BSD1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120	0.4	25	
Surrogate: 1,4-Dioxane-d8	*13.5*		*ug/l*	*20.0*		*67*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*38-125*			

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1354

Sampled: 03/16/12
Received: 03/16/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

PVC 1354

[✓] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM 7272 E Indian School Rd #100 Scottsdale AZ 85251	Project/PO Number: OU3 0096498.032
Project Manager: Jason.Hilker@erm.com Sampler: Adam Nagle 651-249-8817	Phone Number: 480-998-2401 Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4 Dioxane 8270	Special Instructions
OU3-6M-M-031612	W	3x40mL 2x1L	5	3/16/12	0822	HCl/-	X	X	-01
OU3-6D-D-031612	W	3x40mL 2x1L	5	3/16/12	1003	HCl/-	X	X	-02
OU3-12D-D-031612	W	3x40mL 2x1L	5	3/16/12	1230	HCl/-	X	X	-03
SC-MW-1D-S-031612	W	3x40mL 2x1L	5	3/16/12	1548	HCl/-	X	X	-04
GW-EB3-031612	W	3x40mL	3	3/16/12	1549	HCl	X		-05
GW-LI-1-031612	W	1x40mL	1	3/16/12	-	HCl	X		-06 Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/16 1645			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/16/12 16:45	intact X	on ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.3°C

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.032

Sampled: 03/16/12
Received: 03/16/12
Revised: 04/18/12 17:04

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1355-01	OU3-12M-M-031612	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice 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 QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study. S10-Surrogate recovery was above acceptance limits.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Report revised on 04/18/12 to edit N1 qualifier and add N1a qualifier. Original report also had Dichlorodifluoromethane and 1,1 Dichloroethene reported from an insturment that was not calibrated to meet the required RL. The sample was re-analyzed on a different instrument. The re-analysis is reported.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1355-01 (OU3-12M-M-031612 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1097	10	ND	1	3/24/2012	3/24/2012	
Benzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromodichloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Bromoform	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Bromomethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Butanone (MEK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
sec-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
tert-Butylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Carbon disulfide	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloroethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Chloroform	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Chloromethane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
4-Chlorotoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromochloromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Dibromomethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3-Dichloropropane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
2,2-Dichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Ethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Hexachlorobutadiene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
2-Hexanone	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Iodomethane	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1355-01 (OU3-12M-M-031612 - Water) - cont.								N1
Reporting Units: ug/l								
Isopropylbenzene	EPA 8260B	12C1097	0.50	**0.58**	1	3/24/2012	3/24/2012	
p-Isopropyltoluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Methylene Chloride	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Naphthalene	EPA 8260B	12C1097	2.5	ND	1	3/24/2012	3/24/2012	
n-Propylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Styrene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Tetrachloroethene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Toluene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Trichloroethene	EPA 8260B	12C1097	0.50	**1.3**	1	3/24/2012	3/24/2012	
Trichlorofluoromethane	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Vinyl Acetate	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	N1a
Vinyl chloride	EPA 8260B	12C1097	0.50	ND	1	3/24/2012	3/24/2012	
Xylenes, Total	EPA 8260B	12C1097	1.0	ND	1	3/24/2012	3/24/2012	
Freon 113	EPA 8260B	12C1097	2.0	ND	1	3/24/2012	3/24/2012	
Surrogate: Dibromofluoromethane (80-130%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1355-01RE1 (OU3-12M-M-031612 - Water) - cont.								**N1**
Reporting Units: ug/l								
Dichlorodifluoromethane	EPA 8260B	12C1283	0.50	ND	1	3/24/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1283	0.50	**0.76**	1	3/24/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*102 %*				

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Sampled: 03/16/12
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1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1355-01 (OU3-12M-M-031612 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0816	1.0	ND	1	3/19/2012	3/22/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*71 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*104 %*				

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										**N1**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0 50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2 5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0 50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1 0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0 50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0 50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0 50	ug/l							
2,2-Dichloropropane	ND	1 0	ug/l							

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Blank Analyzed: 03/24/2012 (12C1097-BLK1)										**N1**
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*80-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1
Acetone	22.9	10	ug/l	25 0		91	10-150			
Benzene	25.2	0.50	ug/l	25.0		101	80-120			
Bromobenzene	29.4	0.50	ug/l	25.0		117	80-120			
Bromochloromethane	27 5	0.50	ug/l	25.0		110	80-125			
Bromodichloromethane	24.6	0.50	ug/l	25 0		99	80-120			
Bromoform	25.9	1.0	ug/l	25 0		104	75-130			
Bromomethane	25.3	1.0	ug/l	25.0		101	55-150			
2-Butanone (MEK)	24.9	2.5	ug/l	25.0		100	40-150			
n-Butylbenzene	24.2	0.50	ug/l	25 0		97	80-130			
sec-Butylbenzene	26 2	0.50	ug/l	25.0		105	80-125			
tert-Butylbenzene	27.0	0 50	ug/l	25 0		108	80-120			
Carbon disulfide	23.4	1 0	ug/l	25 0		93	70-140			
Carbon tetrachloride	26.6	0.50	ug/l	25 0		106	75-130			
Chlorobenzene	27.0	0.50	ug/l	25 0		108	80-120			
Chloroethane	20.3	1.0	ug/l	25.0		81	70-130			
Chloroform	23 6	0.50	ug/l	25.0		95	75-120			
Chloromethane	21.9	1.0	ug/l	25 0		88	60-140			
2-Chlorotoluene	24.9	0 50	ug/l	25.0		100	80-120			
4-Chlorotoluene	25.3	0.50	ug/l	25 0		101	80-120			
Dibromochloromethane	25 0	0.50	ug/l	25.0		100	80-120			
1,2-Dibromo-3-chloropropane	20 8	2.5	ug/l	25.0		83	50-150			
1,2-Dibromoethane (EDB)	26.9	0 50	ug/l	25 0		108	80-120			
Dibromomethane	27.3	0.50	ug/l	25.0		109	75-120			
1,2-Dichlorobenzene	28.3	0.50	ug/l	25.0		113	80-120			
1,3-Dichlorobenzene	28 7	0.50	ug/l	25.0		115	80-120			
1,4-Dichlorobenzene	27.7	0 50	ug/l	25 0		111	80-120			
Dichlorodifluoromethane	22.6	0 50	ug/l	25 0		90	60-150			
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-125			
1,2-Dichloroethane	25.2	0.50	ug/l	25.0		101	75-130			
1,1-Dichloroethene	23.7	0 50	ug/l	25 0		95	75-125			
cis-1,2-Dichloroethene	26.0	0.50	ug/l	25.0		104	80-120			
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25.0		102	80-120			
1,2-Dichloropropane	24.2	0.50	ug/l	25.0		97	80-120			
1,3-Dichloropropane	25.0	0.50	ug/l	25.0		100	80-120			
2,2-Dichloropropane	24.5	1 0	ug/l	25.0		98	75-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Analyzed: 03/24/2012 (12C1097-BS1)										N1
1,1-Dichloropropene	24 8	0 50	ug/l	25 0		99	75-120			
cis-1,3-Dichloropropene	24 7	0 50	ug/l	25.0		99	80-120			
trans-1,3-Dichloropropene	23.5	0.50	ug/l	25 0		94	80-125			
Ethylbenzene	25.5	0 50	ug/l	25.0		102	80-120			
Hexachlorobutadiene	26.4	1 0	ug/l	25.0		106	40-150			
2-Hexanone	27 3	2.5	ug/l	25 0		109	20-150			
Iodomethane	29.8	2 5	ug/l	25 0		119	80-130			
Isopropylbenzene	29.5	0.50	ug/l	25 0		118	80-130			
p-Isopropyltoluene	25.5	0.50	ug/l	25 0		102	80-130			
Methylene Chloride	22.5	1.0	ug/l	25.0		90	70-120			
4-Methyl-2-pentanone (MIBK)	21.2	2.5	ug/l	25.0		85	60-135			
Methyl-tert-butyl Ether (MTBE)	21.2	0.50	ug/l	25 0		85	70-130			
Naphthalene	28.4	2 5	ug/l	25 0		114	40-150			
n-Propylbenzene	26.2	0.50	ug/l	25.0		105	75-130			
Styrene	26.8	0 50	ug/l	25.0		107	80-120			
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	75-125			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25 0		102	80-120			
Tetrachloroethene	27.6	0.50	ug/l	25.0		110	70-130			
Toluene	27.6	0.50	ug/l	25 0		110	80-120			
1,2,3-Trichlorobenzene	30 3	1 0	ug/l	25 0		121	55-150			
1,2,4-Trichlorobenzene	31.0	1 0	ug/l	25 0		124	50-150			
1,1,1-Trichloroethane	24.5	0 50	ug/l	25 0		98	75-125			
1,1,2-Trichloroethane	26 6	0 50	ug/l	25.0		107	80-120			
Trichloroethene	26.5	0 50	ug/l	25 0		106	80-120			
Trichlorofluoromethane	26 9	0.50	ug/l	25.0		108	70-150			
1,2,3-Trichloropropane	26 7	1.0	ug/l	25 0		107	70-130			
1,2,4-Trimethylbenzene	25 8	0 50	ug/l	25.0		103	80-120			
1,3,5-Trimethylbenzene	26.0	0.50	ug/l	25 0		104	80-130			
Vinyl Acetate	21 6	1.0	ug/l	25 0		87	40-150			
Vinyl chloride	22.1	0 50	ug/l	25.0		88	70-130			
Xylenes, Total	54.3	1 0	ug/l	50.0		109	60-140			
Freon 113	24 6	2 0	ug/l	25.0		98	60-140			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										N1
Acetone	22.1	10	ug/l	25.0		88	10-150	3	35	
Benzene	24.6	0.50	ug/l	25.0		98	80-120	2	15	
Bromobenzene	27.9	0.50	ug/l	25.0		112	80-120	5	15	
Bromochloromethane	25.9	0.50	ug/l	25.0		104	80-125	6	15	
Bromodichloromethane	24.0	0.50	ug/l	25.0		96	80-120	3	15	
Bromoform	25.6	1.0	ug/l	25.0		102	75-130	1	20	
Bromomethane	24.0	1.0	ug/l	25.0		96	55-150	5	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	40-150	0.9	35	
n-Butylbenzene	24.0	0.50	ug/l	25.0		96	80-130	0.8	15	
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	80-125	0.9	15	
tert-Butylbenzene	26.5	0.50	ug/l	25.0		106	80-120	2	15	
Carbon disulfide	22.4	1.0	ug/l	25.0		90	70-140	4	15	
Carbon tetrachloride	26.1	0.50	ug/l	25.0		104	75-130	2	20	
Chlorobenzene	26.3	0.50	ug/l	25.0		105	80-120	2	15	
Chloroethane	19.6	1.0	ug/l	25.0		78	70-130	4	15	
Chloroform	22.6	0.50	ug/l	25.0		91	75-120	4	15	
Chloromethane	21.1	1.0	ug/l	25.0		85	60-140	4	20	
2-Chlorotoluene	24.3	0.50	ug/l	25.0		97	80-120	2	15	
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	80-120	2	15	
Dibromochloromethane	24.4	0.50	ug/l	25.0		98	80-120	2	15	
1,2-Dibromo-3-chloropropane	20.9	2.5	ug/l	25.0		84	50-150	0.3	35	
1,2-Dibromoethane (EDB)	26.7	0.50	ug/l	25.0		107	80-120	0.7	15	
Dibromomethane	26.4	0.50	ug/l	25.0		106	75-120	3	15	
1,2-Dichlorobenzene	27.6	0.50	ug/l	25.0		110	80-120	3	15	
1,3-Dichlorobenzene	28.1	0.50	ug/l	25.0		112	80-120	2	15	
1,4-Dichlorobenzene	27.3	0.50	ug/l	25.0		109	80-120	2	15	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	60-150	3	30	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-125	4	15	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	75-130	5	15	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	75-125	3	20	
cis-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		100	80-120	4	15	
trans-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		100	80-120	2	15	
1,2-Dichloropropane	23.6	0.50	ug/l	25.0		94	80-120	3	15	
1,3-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	75-130	0.2	15	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
LCS Dup Analyzed: 03/24/2012 (12C1097-BSD1)										**N1**
1,1-Dichloropropene	24.3	0 50	ug/l	25.0		97	75-120	2	15	
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	80-120	4	15	
trans-1,3-Dichloropropene	22 9	0 50	ug/l	25.0		92	80-125	2	15	
Ethylbenzene	25 2	0.50	ug/l	25.0		101	80-120	1	15	
Hexachlorobutadiene	26.6	1 0	ug/l	25 0		107	40-150	0.9	35	
2-Hexanone	27 0	2.5	ug/l	25.0		108	20-150	1	35	
Iodomethane	28 8	2.5	ug/l	25.0		115	80-130	4	10	
Isopropylbenzene	29.0	0.50	ug/l	25.0		116	80-130	2	15	
p-Isopropyltoluene	25.1	0 50	ug/l	25.0		100	80-130	1	15	
Methylene Chloride	21 1	1.0	ug/l	25 0		84	70-120	7	15	
4-Methyl-2-pentanone (MIBK)	21 5	2.5	ug/l	25.0		86	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25 0		82	70-130	3	20	
Naphthalene	28 1	2.5	ug/l	25.0		112	40-150	1	30	
n-Propylbenzene	26.0	0.50	ug/l	25 0		104	75-130	1	15	
Styrene	26.2	0.50	ug/l	25.0		105	80-120	2	15	
1,1,1,2-Tetrachloroethane	26 1	0.50	ug/l	25 0		105	75-125	4	15	
1,1,2,2-Tetrachloroethane	25.3	0.50	ug/l	25 0		101	80-120	1	20	
Tetrachloroethene	27.6	0.50	ug/l	25.0		111	70-130	0.07	20	
Toluene	27 0	0.50	ug/l	25 0		108	80-120	2	15	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	55-150	5	35	
1,2,4-Trichlorobenzene	30 1	1.0	ug/l	25 0		120	50-150	3	30	
1,1,1-Trichloroethane	23.8	0.50	ug/l	25.0		95	75-125	3	15	
1,1,2-Trichloroethane	26.1	0 50	ug/l	25 0		104	80-120	2	15	
Trichloroethene	26.2	0.50	ug/l	25.0		105	80-120	1	15	
Trichlorofluoromethane	26 4	0 50	ug/l	25 0		106	70-150	2	25	
1,2,3-Trichloropropane	25.8	1 0	ug/l	25.0		103	70-130	3	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	80-120	3	15	
1,3,5-Trimethylbenzene	25 6	0.50	ug/l	25 0		102	80-130	2	15	
Vinyl Acetate	20.7	1.0	ug/l	25 0		83	40-150	5	25	
Vinyl chloride	21.3	0.50	ug/l	25.0		85	70-130	4	20	
Xylenes, Total	53 4	1.0	ug/l	50 0		107	60-140	2	15	
Freon 113	23.7	2.0	ug/l	25 0		95	60-140	4	15	
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25 0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25 0*		*92*	*80-125*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					**N1**
Acetone	11 4	10	ug/l	25.0	ND	45	10-150			
Benzene	24.8	0.50	ug/l	25.0	ND	99	70-125			
Bromobenzene	28 4	0.50	ug/l	25.0	ND	114	75-120			
Bromochloromethane	28.5	0.50	ug/l	25 0	ND	114	75-130			
Bromodichloromethane	25.2	0.50	ug/l	25 0	ND	101	75-125			
Bromoform	25 7	1.0	ug/l	25 0	ND	103	65-125			
Bromomethane	24.4	1 0	ug/l	25 0	ND	98	45-150			
2-Butanone (MEK)	17 5	2.5	ug/l	25.0	ND	70	15-150			
n-Butylbenzene	23 1	0 50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	24.9	0 50	ug/l	25.0	ND	100	70-125			
tert-Butylbenzene	25.6	0 50	ug/l	25.0	ND	102	70-125			
Carbon disulfide	22.1	1.0	ug/l	25 0	ND	88	65-145			
Carbon tetrachloride	26.5	0 50	ug/l	25.0	ND	106	65-135			
Chlorobenzene	26.2	0.50	ug/l	25 0	ND	105	75-120			
Chloroethane	19.8	1.0	ug/l	25 0	ND	79	65-140			
Chloroform	24.0	0 50	ug/l	25.0	0.440	94	70-130			
Chloromethane	20 6	1.0	ug/l	25.0	ND	82	55-145			
2-Chlorotoluene	23 4	0.50	ug/l	25 0	ND	93	70-125			
4-Chlorotoluene	24.0	0.50	ug/l	25 0	ND	96	70-125			
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	19 8	2.5	ug/l	25.0	ND	79	50-150			
1,2-Dibromoethane (EDB)	27.3	0.50	ug/l	25.0	ND	109	70-125			
Dibromomethane	28.2	0.50	ug/l	25 0	ND	113	70-120			
1,2-Dichlorobenzene	27 6	0.50	ug/l	25.0	ND	110	75-120			
1,3-Dichlorobenzene	27.6	0 50	ug/l	25 0	ND	111	75-120			
1,4-Dichlorobenzene	27.1	0.50	ug/l	25.0	ND	108	70-125			
Dichlorodifluoromethane	22.2	0 50	ug/l	25 0	ND	89	60-150			
1,1-Dichloroethane	22.5	0 50	ug/l	25.0	ND	90	70-130			
1,2-Dichloroethane	26.1	0.50	ug/l	25 0	ND	104	65-140			
1,1-Dichloroethene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,2-Dichloroethene	25 9	0.50	ug/l	25 0	ND	103	70-125			
trans-1,2-Dichloroethene	25 1	0.50	ug/l	25 0	ND	100	75-125			
1,2-Dichloropropane	24.1	0.50	ug/l	25.0	ND	97	75-125			
1,3-Dichloropropane	25.0	0 50	ug/l	25.0	ND	100	70-120			
2,2-Dichloropropane	23.2	1.0	ug/l	25.0	ND	93	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Analyzed: 03/24/2012 (12C1097-MS1)					**Source: PVC1259-01**					**N1**
1,1-Dichloropropene	24.0	0.50	ug/l	25 0	ND	96	65-130			
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	24 4	0.50	ug/l	25.0	ND	98	70-130			
Ethylbenzene	24 8	0.50	ug/l	25 0	ND	99	70-125			
Hexachlorobutadiene	26.5	1 0	ug/l	25.0	ND	106	40-150			
2-Hexanone	18 6	2.5	ug/l	25.0	ND	74	20-150			
Iodomethane	29.7	2 5	ug/l	25.0	ND	119	60-150			
Isopropylbenzene	27 7	0.50	ug/l	25.0	ND	111	75-130			
p-Isopropyltoluene	24.4	0.50	ug/l	25 0	ND	98	70-130			
Methylene Chloride	22 0	1.0	ug/l	25.0	ND	88	65-130			
4-Methyl-2-pentanone (MIBK)	20 9	2.5	ug/l	25.0	ND	84	55-135			
Methyl-tert-butyl Ether (MTBE)	22 6	0.50	ug/l	25.0	ND	91	65-140			
Naphthalene	27 7	2.5	ug/l	25.0	ND	111	40-150			
n-Propylbenzene	24.7	0.50	ug/l	25 0	ND	99	70-130			
Styrene	24.7	0.50	ug/l	25 0	ND	99	55-135			
1,1,1,2-Tetrachloroethane	27.1	0 50	ug/l	25.0	ND	109	70-125			
1,1,2,2-Tetrachloroethane	25.1	0.50	ug/l	25.0	ND	100	70-125			
Tetrachloroethene	27 8	0.50	ug/l	25.0	1 05	107	65-130			
Toluene	27 5	0 50	ug/l	25 0	ND	110	70-125			
1,2,3-Trichlorobenzene	29.8	1.0	ug/l	25 0	ND	119	50-150			
1,2,4-Trichlorobenzene	30 5	1.0	ug/l	25.0	ND	122	50-150			
1,1,1-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,1,2-Trichloroethane	27.7	0.50	ug/l	25.0	ND	111	75-125			
Trichloroethene	27.4	0.50	ug/l	25.0	0.920	106	70-125			
Trichlorofluoromethane	26.6	0.50	ug/l	25.0	ND	106	65-150			
1,2,3-Trichloropropane	25 6	1.0	ug/l	25 0	ND	102	70-130			
1,2,4-Trimethylbenzene	24 2	0 50	ug/l	25.0	ND	97	70-125			
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25 0	ND	98	75-130			
Vinyl Acetate	20.0	1 0	ug/l	25.0	ND	80	40-150			
Vinyl chloride	20 4	0.50	ug/l	25.0	ND	82	60-140			
Xylenes, Total	53 0	1.0	ug/l	50.0	ND	106	75-120			
Freon 113	24.4	2.0	ug/l	25 0	ND	98	65-140			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*93*	*80-125*			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					N1
Acetone	12.6	10	ug/l	25.0	ND	50	10-150	10	35	
Benzene	24 9	0.50	ug/l	25 0	ND	100	70-125	0.3	25	
Bromobenzene	28 6	0.50	ug/l	25 0	ND	114	75-120	0 7	20	
Bromochloromethane	28.3	0.50	ug/l	25 0	ND	113	75-130	0.7	20	
Bromodichloromethane	24.9	0.50	ug/l	25.0	ND	100	75-125	1	20	
Bromoform	25 9	1.0	ug/l	25.0	ND	104	65-125	0 8	25	
Bromomethane	24.4	1 0	ug/l	25 0	ND	97	45-150	0 2	35	
2-Butanone (MEK)	18.8	2.5	ug/l	25 0	ND	75	15-150	7	30	
n-Butylbenzene	23.4	0.50	ug/l	25 0	ND	94	70-130	1	30	
sec-Butylbenzene	25 3	0.50	ug/l	25 0	ND	101	70-125	2	30	
tert-Butylbenzene	25 9	0.50	ug/l	25.0	ND	104	70-125	1	25	
Carbon disulfide	22.7	1 0	ug/l	25 0	ND	91	65-145	3	25	
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	65-135	1	25	
Chlorobenzene	26.4	0.50	ug/l	25 0	ND	106	75-120	1	20	
Chloroethane	20.2	1 0	ug/l	25 0	ND	81	65-140	2	25	
Chloroform	24 4	0 50	ug/l	25.0	0.440	96	70-130	1	20	
Chloromethane	21.2	1.0	ug/l	25.0	ND	85	55-145	3	35	
2-Chlorotoluene	23 9	0 50	ug/l	25.0	ND	95	70-125	2	25	
4-Chlorotoluene	24 1	0.50	ug/l	25 0	ND	97	70-125	0.7	25	
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	105	70-130	0 2	20	
1,2-Dibromo-3-chloropropane	20.2	2.5	ug/l	25 0	ND	81	50-150	2	30	
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25 0	ND	110	70-125	0.6	20	
Dibromomethane	27.6	0.50	ug/l	25.0	ND	110	70-120	2	20	
1,2-Dichlorobenzene	28.0	0.50	ug/l	25.0	ND	112	75-120	2	20	
1,3-Dichlorobenzene	28 0	0.50	ug/l	25.0	ND	112	75-120	1	25	
1,4-Dichlorobenzene	27.1	0.50	ug/l	25.0	ND	108	70-125	0.2	20	
Dichlorodifluoromethane	22.3	0.50	ug/l	25.0	ND	89	60-150	0.5	30	
1,1-Dichloroethane	22.6	0.50	ug/l	25 0	ND	90	70-130	0.3	20	
1,2-Dichloroethane	26.4	0.50	ug/l	25 0	ND	105	65-140	1	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25 0	ND	94	70-130	2	25	
cis-1,2-Dichloroethene	26 1	0.50	ug/l	25.0	ND	104	70-125	0.7	20	
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25.0	ND	102	75-125	2	25	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0	ND	96	75-125	0.3	20	
1,3-Dichloropropane	25.4	0.50	ug/l	25 0	ND	102	70-120	2	20	
2,2-Dichloropropane	22.9	1 0	ug/l	25 0	ND	92	65-140	1	25	

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1097 Extracted: 03/24/12										
Matrix Spike Dup Analyzed: 03/24/2012 (12C1097-MSD1)					**Source: PVC1259-01**					**N1**
1,1-Dichloropropene	23 9	0.50	ug/l	25 0	ND	96	65-130	0.3	25	
cis-1,3-Dichloropropene	24 2	0 50	ug/l	25 0	ND	97	75-130	3	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	70-130	2	20	
Ethylbenzene	24 8	0.50	ug/l	25 0	ND	99	70-125	0 08	25	
Hexachlorobutadiene	26 1	1 0	ug/l	25 0	ND	104	40-150	2	30	
2-Hexanone	20 8	2 5	ug/l	25.0	ND	83	20-150	11	30	
Iodomethane	30 5	2.5	ug/l	25.0	ND	122	60-150	3	30	
Isopropylbenzene	28 1	0.50	ug/l	25.0	ND	112	75-130	1	25	
p-Isopropyltoluene	24.6	0.50	ug/l	25.0	ND	99	70-130	0 9	30	
Methylene Chloride	22 5	1.0	ug/l	25.0	ND	90	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	21 2	2.5	ug/l	25 0	ND	85	55-135	2	25	
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25.0	ND	90	65-140	0.7	25	
Naphthalene	28.1	2.5	ug/l	25.0	ND	112	40-150	1	30	
n-Propylbenzene	25 2	0.50	ug/l	25.0	ND	101	70-130	2	30	
Styrene	25.0	0.50	ug/l	25.0	ND	100	55-135	1	35	
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0	ND	109	70-125	0 1	20	
1,1,2,2-Tetrachloroethane	25 3	0 50	ug/l	25.0	ND	101	70-125	0.8	25	
Tetrachloroethene	28 3	0.50	ug/l	25 0	1.05	109	65-130	2	25	
Toluene	27.1	0 50	ug/l	25 0	ND	108	70-125	2	20	
1,2,3-Trichlorobenzene	28.9	1 0	ug/l	25.0	ND	116	50-150	3	35	
1,2,4-Trichlorobenzene	29 8	1 0	ug/l	25.0	ND	119	50-150	2	25	
1,1,1-Trichloroethane	24 6	0.50	ug/l	25.0	ND	99	70-130	2	25	
1,1,2-Trichloroethane	26.9	0 50	ug/l	25.0	ND	108	75-125	3	20	
Trichloroethene	26.8	0.50	ug/l	25 0	0 920	104	70-125	2	25	
Trichlorofluoromethane	26 7	0.50	ug/l	25 0	ND	107	65-150	0.3	25	
1,2,3-Trichloropropane	26.4	1.0	ug/l	25.0	ND	106	70-130	3	25	
1,2,4-Trimethylbenzene	24 7	0 50	ug/l	25 0	ND	99	70-125	2	30	
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	75-130	1	25	
Vinyl Acetate	20 2	1 0	ug/l	25 0	ND	81	40-150	1	30	
Vinyl chloride	21 1	0.50	ug/l	25.0	ND	84	60-140	3	25	
Xylenes, Total	53 6	1.0	ug/l	50.0	ND	107	75-120	1	15	
Freon 113	24 5	2.0	ug/l	25.0	ND	98	65-140	0.3	20	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1283 Extracted: 03/28/12										
Blank Analyzed: 03/28/2012 (12C1283-BLK1)										N1
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-125*			
LCS Analyzed: 03/28/2012 (12C1283-BS1)										N1
Dichlorodifluoromethane	27.2	0.50	ug/l	25.0		109	60-150			
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	75-125			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-125*			
LCS Dup Analyzed: 03/28/2012 (12C1283-BSD1)										N1
Dichlorodifluoromethane	28.3	0.50	ug/l	25.0		113	60-150	4	30	
1,1-Dichloroethene	26.1	0.50	ug/l	25.0		104	75-125	6	20	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*111*	*80-125*			
Matrix Spike Analyzed: 03/28/2012 (12C1283-MS1)					**Source: PVC1354-01RE1**					N1
Dichlorodifluoromethane	25.9	0.50	ug/l	25.0	ND	104	60-150			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0	0.340	101	70-130			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*		*ug/l*	*25.0*		*111*	*80-125*			
Matrix Spike Dup Analyzed: 03/28/2012 (12C1283-MSD1)					**Source: PVC1354-01RE1**					N1
Dichlorodifluoromethane	32.2	0.50	ug/l	25.0	ND	129	60-150	21	30	
1,1-Dichloroethene	29.2	0.50	ug/l	25.0	0.340	115	70-130	13	25	
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*111*	*80-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25.0*		*108*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0816 Extracted: 03/19/12										
Blank Analyzed: 03/21/2012 (12C0816-BLK1)										**N1**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.2*		*ug/l*	*20.0*		*56*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*16.4*		*ug/l*	*20.0*		*82*	*59.9-120*			
LCS Analyzed: 03/21/2012 (12C0816-BS1)										**Q8, N1**
1,4-Dioxane	19.6	1.0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*9.95*		*ug/l*	*20.0*		*50*	*32-57*			
Surrogate: Nitrobenzene-d5	*15.8*		*ug/l*	*20.0*		*79*	*38-125*			
LCS Dup Analyzed: 03/21/2012 (12C0816-BSD1)										**Q8, N1**
1,4-Dioxane	19 6	1.0	ug/l	20 0		98	80-120	0 4	25	
Surrogate: 1,4-Dioxane-d8	*13.5*		*ug/l*	*20.0*		*67*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*38-125*			

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Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Attention: Jason Hilker

Project ID: 0096498.032
Report Number: PVC1355

Sampled: 03/16/12
Received: 03/16/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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PVC1355

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[✓] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale AZ 85251

Project/PO Number: 0096498.032

Project Manager: Jason.Hilker@erm.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4-Dioxane 8270	Special Instructions
OU3-12M-M-031612	W	3x 40mL 2x 1L	5	3/16/12	1342	HCl	X	X	—01 Level IV

Relinquished By: ERM/ERM — Date/Time: 3/16/12 1645

Received By: — Date/Time:

Relinquished By: — Date/Time:

Received By: — Date/Time:

Relinquished By: — Date/Time:

Received In Lab By: — Date/Time: 3/16/12 16:45

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice X

2.3°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

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LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/19/12
Received: 03/19/12
Revised: 04/18/12 16:46

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1432-01	OU3-8D-D-031912	Water
PVC1432-02	OU3-8S-S-031912	Water
PVC1432-03	OU3-9S-S-031912	Water
PVC1432-04	GW-EB4-031912	Water
PVC1432-05	GW-L1-1-031912	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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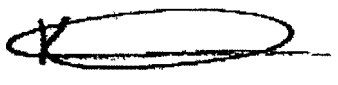
Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice 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 QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Revised report on 041812 to edit N1 and add N1a qualifier.

Reviewed By:



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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-01 (OU3-8D-D-031912 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-01 (OU3-8D-D-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-02 (OU3-8S-S-031912 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	**1.3**	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	**1.0**	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-02 (OU3-8S-S-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	**0.87**	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	**8.3**	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*96 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-03 (OU3-9S-S-031912 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	1.2	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-03 (OU3-9S-S-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	**2.1**	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-04 (GW-EB4-031912 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	**2.4**	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	**4.2**	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	**1.4**	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-04 (GW-EB4-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-05RE1 (GW-L1-1-031912 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-05RE1 (GW-L1-1-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*93 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1432-01 (OU3-8D-D-031912 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	ND	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*63 %*				
Surrogate: Nitrobenzene-d5 (59 9-120%)				*89 %*				
Sample ID: PVC1432-02 (OU3-8S-S-031912 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	ND	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*66 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*91 %*				
Sample ID: PVC1432-03 (OU3-9S-S-031912 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	ND	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*55 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*84 %*				

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4625 East Cotton Center Blvd Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Blank Analyzed: 03/27/2012 (12C1160-BLK1)										N1
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0 50	ug/l							
Bromochloromethane	ND	0 50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1 0	ug/l							
Bromomethane	ND	1 0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0 50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0 50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0 50	ug/l							
1,3-Dichlorobenzene	ND	0 50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0 50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Blank Analyzed: 03/27/2012 (12C1160-BLK1)										N1
1,1-Dichloropropene	ND	0 50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0 50	ug/l							
Hexachlorobutadiene	ND	1 0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0 50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2 5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0 50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0 50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1 0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1 0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0 50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0 50	ug/l							
Xylenes, Total	ND	1 0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25 0*		*94*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Analyzed: 03/27/2012 (12C1160-BS1)										N1
Acetone	40.6	10	ug/l	25 0		162	10-150			*L3*
Benzene	25.8	0.50	ug/l	25.0		103	80-120			
Bromobenzene	29.2	0.50	ug/l	25.0		117	80-120			
Bromochloromethane	25 0	0.50	ug/l	25 0		100	80-125			
Bromodichloromethane	27 1	0.50	ug/l	25 0		108	80-120			
Bromoform	25.5	1.0	ug/l	25 0		102	75-130			
Bromomethane	24 0	1.0	ug/l	25.0		96	55-150			
2-Butanone (MEK)	32 5	2 5	ug/l	25.0		130	40-150			
n-Butylbenzene	27.3	0 50	ug/l	25.0		109	80-130			
sec-Butylbenzene	27.0	0.50	ug/l	25 0		108	80-125			
tert-Butylbenzene	28 4	0.50	ug/l	25.0		114	80-120			
Carbon disulfide	24.6	1.0	ug/l	25.0		98	70-140			
Carbon tetrachloride	28 2	0.50	ug/l	25 0		113	75-130			
Chlorobenzene	26.9	0 50	ug/l	25.0		108	80-120			
Chloroethane	22.8	1.0	ug/l	25 0		91	70-130			
Chloroform	23.7	0.50	ug/l	25.0		95	75-120			
Chloromethane	22 6	1.0	ug/l	25.0		91	60-140			
2-Chlorotoluene	27 0	0.50	ug/l	25.0		108	80-120			
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	80-120			
Dibromochloromethane	26.2	0.50	ug/l	25.0		105	80-120			
1,2-Dibromo-3-chloropropane	29 6	2.5	ug/l	25.0		118	50-150			
1,2-Dibromoethane (EDB)	28.1	0.50	ug/l	25.0		113	80-120			
Dibromomethane	25 7	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	27.3	0.50	ug/l	25 0		109	80-120			
1,3-Dichlorobenzene	27 4	0.50	ug/l	25 0		110	80-120			
1,4-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
Dichlorodifluoromethane	23.5	0 50	ug/l	25.0		94	60-150			
1,1-Dichloroethane	24.0	0.50	ug/l	25 0		96	70-125			
1,2-Dichloroethane	25 1	0.50	ug/l	25 0		101	75-130			
1,1-Dichloroethene	25.5	0.50	ug/l	25 0		102	75-125			
cis-1,2-Dichloroethene	24.6	0.50	ug/l	25.0		98	80-120			
trans-1,2-Dichloroethene	26.3	0.50	ug/l	25.0		105	80-120			
1,2-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120			
1,3-Dichloropropane	26.2	0.50	ug/l	25 0		105	80-120			
2,2-Dichloropropane	25.2	1 0	ug/l	25.0		101	75-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Analyzed: 03/27/2012 (12C1160-BS1)										**N1**
1,1-Dichloropropene	26 1	0 50	ug/l	25 0		104	75-120			
cis-1,3-Dichloropropene	28 2	0 50	ug/l	25.0		113	80-120			
trans-1,3-Dichloropropene	24 0	0 50	ug/l	25.0		96	80-125			
Ethylbenzene	28 8	0.50	ug/l	25.0		115	80-120			
Hexachlorobutadiene	28.9	1 0	ug/l	25.0		116	40-150			
2-Hexanone	38.9	2 5	ug/l	25.0		155	20-150			*L3*
Iodomethane	29 0	2 5	ug/l	25.0		116	80-130			
Isopropylbenzene	31 1	0 50	ug/l	25 0		125	80-130			
p-Isopropyltoluene	27 5	0 50	ug/l	25.0		110	80-130			
Methylene Chlonde	22 4	1 0	ug/l	25 0		90	70-120			
4-Methyl-2-pentanone (MIBK)	27 8	2.5	ug/l	25 0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	24.6	0 50	ug/l	25 0		98	70-130			
Naphthalene	30 7	2 5	ug/l	25.0		123	40-150			
n-Propylbenzene	29 2	0 50	ug/l	25 0		117	75-130			
Styrene	29 6	0.50	ug/l	25 0		118	80-120			
1,1,1,2-Tetrachloroethane	28 7	0.50	ug/l	25.0		115	75-125			
1,1,2,2-Tetrachloroethane	27 7	0.50	ug/l	25 0		111	80-120			
Tetrachloroethene	28 5	0 50	ug/l	25 0		114	70-130			
Toluene	26 3	0.50	ug/l	25.0		105	80-120			
1,2,3-Trichlorobenzene	28 0	1 0	ug/l	25 0		112	55-150			
1,2,4-Trichlorobenzene	28 5	1.0	ug/l	25.0		114	50-150			
1,1,1-Trichloroethane	25 5	0.50	ug/l	25.0		102	75-125			
1,1,2-Trichloroethane	25 4	0 50	ug/l	25 0		101	80-120			
Trichloroethene	26.1	0 50	ug/l	25 0		105	80-120			
Trichlorofluoromethane	27.7	0 50	ug/l	25.0		111	70-150			
1,2,3-Trichloropropane	28.0	1.0	ug/l	25.0		112	70-130			
1,2,4-Trimethylbenzene	27 7	0 50	ug/l	25.0		111	80-120			
1,3,5-Trimethylbenzene	27.6	0.50	ug/l	25 0		111	80-130			
Vinyl Acetate	28 4	1 0	ug/l	25 0		114	40-150			
Vinyl chloride	23.8	0.50	ug/l	25.0		95	70-130			
Xylenes, Total	54 7	1 0	ug/l	50.0		109	60-140			
Freon 113	24.5	2 0	ug/l	25 0		98	60-140			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-130*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Dup Analyzed: 03/27/2012 (12C1160-BSD1)										N1
Acetone	32 8	10	ug/l	25.0		131	10-150	21	35	
Benzene	25.7	0 50	ug/l	25 0		103	80-120	0.4	15	
Bromobenzene	29 5	0.50	ug/l	25.0		118	80-120	1	15	
Bromochloromethane	26.6	0.50	ug/l	25.0		107	80-125	7	15	
Bromodichloromethane	27.1	0.50	ug/l	25.0		108	80-120	0 04	15	
Bromoform	24.8	1.0	ug/l	25 0		99	75-130	3	20	
Bromomethane	23 8	1 0	ug/l	25.0		95	55-150	0.8	20	
2-Butanone (MEK)	27 0	2.5	ug/l	25.0		108	40-150	19	35	
n-Butylbenzene	27.4	0 50	ug/l	25.0		110	80-130	0 7	15	
sec-Butylbenzene	26.9	0 50	ug/l	25 0		107	80-125	0.6	15	
tert-Butylbenzene	28.6	0.50	ug/l	25 0		114	80-120	0.6	15	
Carbon disulfide	24 7	1.0	ug/l	25 0		99	70-140	0 6	15	
Carbon tetrachloride	28 8	0.50	ug/l	25 0		115	75-130	2	20	
Chlorobenzene	25.2	0 50	ug/l	25.0		101	80-120	7	15	
Chloroethane	23.0	1.0	ug/l	25 0		92	70-130	0.7	15	
Chloroform	23 8	0.50	ug/l	25.0		95	75-120	0 2	15	
Chloromethane	22.1	1.0	ug/l	25.0		89	60-140	2	20	
2-Chlorotoluene	26.1	0 50	ug/l	25.0		104	80-120	3	15	
4-Chlorotoluene	26 8	0 50	ug/l	25 0		107	80-120	2	15	
Dibromochloromethane	25 3	0.50	ug/l	25.0		101	80-120	4	15	
1,2-Dibromo-3-chloropropane	29.2	2.5	ug/l	25.0		117	50-150	1	35	
1,2-Dibromoethane (EDB)	26 8	0 50	ug/l	25.0		107	80-120	5	15	
Dibromomethane	27.4	0 50	ug/l	25.0		109	75-120	6	15	
1,2-Dichlorobenzene	26 7	0.50	ug/l	25.0		107	80-120	2	15	
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		108	80-120	1	15	
1,4-Dichlorobenzene	26.2	0 50	ug/l	25.0		105	80-120	2	15	
Dichlorodifluoromethane	24.6	0.50	ug/l	25.0		98	60-150	4	30	
1,1-Dichloroethane	24.0	0.50	ug/l	25.0		96	70-125	0.2	15	
1,2-Dichloroethane	25.5	0 50	ug/l	25 0		102	75-130	1	15	
1,1-Dichloroethene	25.7	0.50	ug/l	25 0		103	75-125	0.7	20	
cis-1,2-Dichloroethene	25.6	0.50	ug/l	25 0		102	80-120	4	15	
trans-1,2-Dichloroethene	26.2	0.50	ug/l	25.0		105	80-120	0.3	15	
1,2-Dichloropropane	24.6	0.50	ug/l	25 0		98	80-120	0.5	15	
1,3-Dichloropropane	25.3	0 50	ug/l	25.0		101	80-120	3	15	
2,2-Dichloropropane	25.6	1.0	ug/l	25.0		102	75-130	1	15	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Dup Analyzed: 03/27/2012 (12C1160-BSD1)										N1
1,1-Dichloropropene	26.3	0.50	ug/l	25 0		105	75-120	1	15	
cis-1,3-Dichloropropene	28.5	0 50	ug/l	25 0		114	80-120	1	15	
trans-1,3-Dichloropropene	24.2	0 50	ug/l	25 0		97	80-125	0 9	15	
Ethylbenzene	27 9	0 50	ug/l	25.0		112	80-120	3	15	
Hexachlorobutadiene	29 1	1 0	ug/l	25.0		116	40-150	0.8	35	
2-Hexanone	31.1	2.5	ug/l	25 0		124	20-150	22	35	
Iodomethane	28.9	2.5	ug/l	25 0		116	80-130	0.3	10	
Isopropylbenzene	30.4	0.50	ug/l	25 0		122	80-130	2	15	
p-Isopropyltoluene	27 2	0.50	ug/l	25.0		109	80-130	1	15	
Methylene Chloride	22.9	1 0	ug/l	25.0		92	70-120	2	15	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	24.1	0 50	ug/l	25.0		96	70-130	2	20	
Naphthalene	29 2	2.5	ug/l	25.0		117	40-150	5	30	
n-Propylbenzene	28.2	0.50	ug/l	25 0		113	75-130	3	15	
Styrene	28 7	0 50	ug/l	25 0		115	80-120	3	15	
1,1,1,2-Tetrachloroethane	28 0	0.50	ug/l	25.0		112	75-125	3	15	
1,1,2,2-Tetrachloroethane	28 6	0.50	ug/l	25.0		114	80-120	3	20	
Tetrachloroethene	27 8	0 50	ug/l	25.0		111	70-130	3	20	
Toluene	27 1	0.50	ug/l	25.0		108	80-120	3	15	
1,2,3-Trichlorobenzene	27.3	1 0	ug/l	25.0		109	55-150	2	35	
1,2,4-Trichlorobenzene	28 2	1.0	ug/l	25 0		113	50-150	1	30	
1,1,1-Trichloroethane	25 3	0.50	ug/l	25 0		101	75-125	0 7	15	
1,1,2-Trichloroethane	25 4	0 50	ug/l	25.0		102	80-120	0.1	15	
Trichloroethene	26 8	0.50	ug/l	25 0		107	80-120	3	15	
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	70-150	0 9	25	
1,2,3-Trichloropropane	27 9	1.0	ug/l	25 0		112	70-130	0.3	20	
1,2,4-Trimethylbenzene	27 8	0 50	ug/l	25 0		111	80-120	0.2	15	
1,3,5-Trimethylbenzene	28.2	0 50	ug/l	25.0		113	80-130	2	15	
Vinyl Acetate	28.3	1.0	ug/l	25 0		113	40-150	0.4	25	
Vinyl chloride	23 9	0.50	ug/l	25.0		96	70-130	0.3	20	
Xylenes, Total	54.3	1.0	ug/l	50 0		109	60-140	0.7	15	
Freon 113	24 6	2.0	ug/l	25 0		98	60-140	0.4	15	
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*95*	*80-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Analyzed: 03/27/2012 (12C1160-MS1)					**Source: PVC1463-11RE1**					**N1**
Acetone	28 4	10	ug/l	25.0	ND	113	10-150			
Benzene	25.9	0.50	ug/l	25.0	ND	104	70-125			
Bromobenzene	28.0	0.50	ug/l	25.0	ND	112	75-120			
Bromochloromethane	26.8	0.50	ug/l	25 0	ND	107	75-130			
Bromodichloromethane	28.6	0.50	ug/l	25 0	ND	114	75-125			
Bromoform	23 0	1.0	ug/l	25 0	ND	92	65-125			
Bromomethane	25.9	1.0	ug/l	25.0	ND	104	45-150			
2-Butanone (MEK)	19.4	2 5	ug/l	25.0	ND	78	15-150			
n-Butylbenzene	28.6	0 50	ug/l	25.0	ND	115	70-130			
sec-Butylbenzene	27 6	0.50	ug/l	25.0	ND	110	70-125			
tert-Butylbenzene	28.9	0.50	ug/l	25.0	ND	116	70-125			
Carbon disulfide	25.8	1 0	ug/l	25.0	ND	103	65-145			
Carbon tetrachloride	30.7	0.50	ug/l	25.0	ND	123	65-135			
Chlorobenzene	25 9	0.50	ug/l	25.0	ND	104	75-120			
Chloroethane	23.6	1.0	ug/l	25.0	ND	95	65-140			
Chloroform	26.9	0.50	ug/l	25.0	ND	108	70-130			
Chloromethane	23.5	1.0	ug/l	25 0	ND	94	55-145			
2-Chlorotoluene	27.2	0.50	ug/l	25 0	ND	109	70-125			
4-Chlorotoluene	27.4	0.50	ug/l	25 0	ND	110	70-125			
Dibromochloromethane	25 9	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	27.3	2.5	ug/l	25.0	ND	109	50-150			
1,2-Dibromoethane (EDB)	25.8	0.50	ug/l	25.0	ND	103	70-125			
Dibromomethane	26.5	0.50	ug/l	25.0	ND	106	70-120			
1,2-Dichlorobenzene	27.6	0.50	ug/l	25.0	ND	110	75-120			
1,3-Dichlorobenzene	27 6	0.50	ug/l	25 0	ND	110	75-120			
1,4-Dichlorobenzene	26 6	0.50	ug/l	25.0	ND	106	70-125			
Dichlorodifluoromethane	28.0	0.50	ug/l	25.0	ND	112	60-150			
1,1-Dichloroethane	25.1	0 50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	29.6	0 50	ug/l	25.0	ND	119	65-140			
1,1-Dichloroethene	26.2	0 50	ug/l	25 0	ND	105	70-130			
cis-1,2-Dichloroethene	27.0	0.50	ug/l	25 0	0.480	106	70-125			
trans-1,2-Dichloroethene	26 7	0.50	ug/l	25 0	ND	107	75-125			
1,2-Dichloropropane	24.2	0.50	ug/l	25.0	ND	97	75-125			
1,3-Dichloropropane	25.5	0.50	ug/l	25.0	ND	102	70-120			
2,2-Dichloropropane	28.8	1.0	ug/l	25 0	ND	115	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Analyzed: 03/27/2012 (12C1160-MS1)					**Source: PVC1463-11RE1**					**N1**
1,1-Dichloropropene	26 4	0 50	ug/l	25 0	ND	106	65-130			
cis-1,3-Dichloropropene	27.6	0.50	ug/l	25.0	ND	110	75-130			
trans-1,3-Dichloropropene	24.5	0 50	ug/l	25.0	ND	98	70-130			
Ethylbenzene	28 1	0 50	ug/l	25.0	ND	112	70-125			
Hexachlorobutadiene	28.9	1 0	ug/l	25 0	ND	116	40-150			
2-Hexanone	21.4	2.5	ug/l	25 0	ND	86	20-150			
Iodomethane	29 6	2.5	ug/l	25.0	ND	118	60-150			
Isopropylbenzene	31.5	0.50	ug/l	25 0	ND	126	75-130			
p-Isopropyltoluene	28 4	0 50	ug/l	25.0	ND	114	70-130			
Methylene Chloride	22 4	1.0	ug/l	25 0	ND	89	65-130			
4-Methyl-2-pentanone (MIBK)	24 0	2.5	ug/l	25 0	ND	96	55-135			
Methyl-tert-butyl Ether (MTBE)	24.1	0.50	ug/l	25.0	ND	96	65-140			
Naphthalene	27 0	2.5	ug/l	25 0	ND	108	40-150			
n-Propylbenzene	29.6	0.50	ug/l	25 0	ND	119	70-130			
Styrene	28 1	0.50	ug/l	25.0	ND	112	55-135			
1,1,1,2-Tetrachloroethane	28.1	0 50	ug/l	25 0	ND	112	70-125			
1,1,2,2-Tetrachloroethane	25.9	0 50	ug/l	25.0	ND	103	70-125			
Tetrachloroethene	33 4	0.50	ug/l	25.0	7.29	104	65-130			
Toluene	26.6	0 50	ug/l	25 0	ND	106	70-125			
1,2,3-Trichlorobenzene	27 2	1.0	ug/l	25 0	ND	109	50-150			
1,2,4-Trichlorobenzene	27 9	1.0	ug/l	25 0	ND	111	50-150			
1,1,1-Trichloroethane	29.3	0 50	ug/l	25.0	ND	117	70-130			
1,1,2-Trichloroethane	24 8	0.50	ug/l	25 0	ND	99	75-125			
Trichloroethene	27.4	0.50	ug/l	25 0	0.380	108	70-125			
Trichlorofluoromethane	33.6	0 50	ug/l	25.0	ND	134	65-150			
1,2,3-Trichloropropane	27 4	1.0	ug/l	25 0	ND	110	70-130			
1,2,4-Trimethylbenzene	28.7	0 50	ug/l	25.0	ND	115	70-125			
1,3,5-Trimethylbenzene	28 6	0.50	ug/l	25.0	ND	114	75-130			
Vinyl Acetate	25 8	1.0	ug/l	25.0	ND	103	40-150			
Vinyl chloride	25.3	0 50	ug/l	25 0	ND	101	60-140			
Xylenes, Total	54.7	1.0	ug/l	50 0	ND	109	75-120			
Freon 113	25 9	2.0	ug/l	25.0	ND	104	65-140			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Dup Analyzed: 03/27/2012 (12C1160-MSD1)					**Source: PVC1463-11RE1**					**N1**
Acetone	27 2	10	ug/l	25.0	ND	109	10-150	4	35	
Benzene	25 6	0.50	ug/l	25 0	ND	102	70-125	1	25	
Bromobenzene	28.4	0.50	ug/l	25.0	ND	114	75-120	1	20	
Bromochloromethane	26 2	0.50	ug/l	25.0	ND	105	75-130	2	20	
Bromodichloromethane	28.8	0.50	ug/l	25.0	ND	115	75-125	0.8	20	
Bromoform	23.9	1 0	ug/l	25.0	ND	95	65-125	4	25	
Bromomethane	27.2	1 0	ug/l	25 0	ND	109	45-150	5	35	
2-Butanone (MEK)	19.4	2.5	ug/l	25.0	ND	78	15-150	0	30	
n-Butylbenzene	26 5	0.50	ug/l	25.0	ND	106	70-130	8	30	
sec-Butylbenzene	27.3	0.50	ug/l	25 0	ND	109	70-125	1	30	
tert-Butylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-125	2	25	
Carbon disulfide	25 0	1.0	ug/l	25 0	ND	100	65-145	3	25	
Carbon tetrachloride	30 4	0 50	ug/l	25.0	ND	122	65-135	1	25	
Chlorobenzene	25.6	0.50	ug/l	25.0	ND	102	75-120	1	20	
Chloroethane	24.2	1 0	ug/l	25.0	ND	97	65-140	2	25	
Chloroform	26.1	0.50	ug/l	25 0	ND	105	70-130	3	20	
Chloromethane	25.6	1 0	ug/l	25.0	ND	102	55-145	9	35	
2-Chlorotoluene	27 4	0 50	ug/l	25.0	ND	109	70-125	0.4	25	
4-Chlorotoluene	28 0	0.50	ug/l	25.0	ND	112	70-125	2	25	
Dibromochloromethane	26.0	0.50	ug/l	25.0	ND	104	70-130	0 3	20	
1,2-Dibromo-3-chloropropane	29.1	2.5	ug/l	25.0	ND	116	50-150	6	30	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25 0	ND	104	70-125	0.4	20	
Dibromomethane	26.8	0 50	ug/l	25.0	ND	107	70-120	1	20	
1,2-Dichlorobenzene	27.4	0 50	ug/l	25.0	ND	110	75-120	0.7	20	
1,3-Dichlorobenzene	26.5	0.50	ug/l	25.0	ND	106	75-120	4	25	
1,4-Dichlorobenzene	26.0	0.50	ug/l	25.0	ND	104	70-125	2	20	
Dichlorodifluoromethane	28.1	0.50	ug/l	25.0	ND	112	60-150	0.2	30	
1,1-Dichloroethane	24 8	0 50	ug/l	25 0	ND	99	70-130	1	20	
1,2-Dichloroethane	29.0	0.50	ug/l	25.0	ND	116	65-140	2	20	
1,1-Dichloroethene	25.2	0.50	ug/l	25 0	ND	101	70-130	4	25	
cis-1,2-Dichloroethene	26.1	0.50	ug/l	25.0	0.480	102	70-125	3	20	
trans-1,2-Dichloroethene	25 4	0.50	ug/l	25.0	ND	102	75-125	5	25	
1,2-Dichloropropane	24.4	0 50	ug/l	25.0	ND	98	75-125	0.6	20	
1,3-Dichloropropane	25.3	0.50	ug/l	25.0	ND	101	70-120	0.8	20	
2,2-Dichloropropane	27.3	1.0	ug/l	25.0	ND	109	65-140	5	25	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Dup Analyzed: 03/27/2012 (12C1160-MSD1)					**Source: PVC1463-11RE1**					**N1**
1,1-Dichloropropene	26 2	0.50	ug/l	25.0	ND	105	65-130	0 9	25	
cis-1,3-Dichloropropene	27 5	0.50	ug/l	25 0	ND	110	75-130	0.1	20	
trans-1,3-Dichloropropene	25 1	0.50	ug/l	25 0	ND	100	70-130	2	20	
Ethylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-125	0 7	25	
Hexachlorobutadiene	26 9	1 0	ug/l	25.0	ND	107	40-150	7	30	
2-Hexanone	23.7	2.5	ug/l	25.0	ND	95	20-150	10	30	
Iodomethane	28 6	2 5	ug/l	25 0	ND	115	60-150	3	30	
Isopropylbenzene	30 4	0 50	ug/l	25.0	ND	122	75-130	3	25	
p-Isopropyltoluene	27.6	0.50	ug/l	25.0	ND	110	70-130	3	30	
Methylene Chloride	22 7	1.0	ug/l	25 0	ND	91	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	24.8	2.5	ug/l	25.0	ND	99	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	25.2	0.50	ug/l	25 0	ND	101	65-140	4	25	
Naphthalene	26 3	2.5	ug/l	25 0	ND	105	40-150	3	30	
n-Propylbenzene	29 2	0 50	ug/l	25 0	ND	117	70-130	2	30	
Styrene	29.0	0.50	ug/l	25.0	ND	116	55-135	3	35	
1,1,1,2-Tetrachloroethane	28.1	0.50	ug/l	25 0	ND	112	70-125	0 1	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0	ND	106	70-125	3	25	
Tetrachloroethene	32.1	0 50	ug/l	25.0	7.29	99	65-130	4	25	
Toluene	26.5	0.50	ug/l	25.0	ND	106	70-125	0.5	20	
1,2,3-Trichlorobenzene	26 1	1.0	ug/l	25 0	ND	104	50-150	4	35	
1,2,4-Trichlorobenzene	27 2	1.0	ug/l	25.0	ND	109	50-150	2	25	
1,1,1-Trichloroethane	28.6	0.50	ug/l	25 0	ND	114	70-130	2	25	
1,1,2-Trichloroethane	25.6	0.50	ug/l	25 0	ND	102	75-125	3	20	
Trichloroethene	27.5	0 50	ug/l	25 0	0.380	108	70-125	0.1	25	
Trichlorofluoromethane	32.2	0.50	ug/l	25.0	ND	129	65-150	4	25	
1,2,3-Trichloropropane	28 4	1 0	ug/l	25.0	ND	114	70-130	4	25	
1,2,4-Trimethylbenzene	27 8	0.50	ug/l	25 0	ND	111	70-125	3	30	
1,3,5-Trimethylbenzene	28.7	0 50	ug/l	25.0	ND	115	75-130	0.5	25	
Vinyl Acetate	26.6	1.0	ug/l	25.0	ND	106	40-150	3	30	
Vinyl chloride	27.3	0 50	ug/l	25.0	ND	109	60-140	8	25	
Xylenes, Total	54 1	1 0	ug/l	50 0	ND	108	75-120	1	15	
Freon 113	26.0	2.0	ug/l	25 0	ND	104	65-140	0 5	20	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*103*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0956 Extracted: 03/21/12										
Blank Analyzed: 03/27/2012 (12C0956-BLK1)										**N1**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*9.72*		*ug/l*	*20.0*		*49*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*13.9*		*ug/l*	*20.0*		*69*	*59.9-120*			
LCS Analyzed: 03/27/2012 (12C0956-BS1)										**Q8, N1**
1,4-Dioxane	19.4	1.0	ug/l	20.0		97	80-120			
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.6*		*ug/l*	*20.0*		*103*	*38-125*			
LCS Dup Analyzed: 03/27/2012 (12C0956-BSD1)										**Q8, N1**
1,4-Dioxane	20.0	1.0	ug/l	20.0		100	80-120	3	25	
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.3*		*ug/l*	*20.0*		*106*	*38-125*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1432

Sampled: 03/19/12
Received: 03/19/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[x] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale AZ 85251

Project/PO Number:
003
0096498.032

Project Manager:
Jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler: Adam Nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4-Dioxane 8270	Special Instructions
003-BD-D-031912	W	3x40mL 2x1L	5	3/19/12	0904	HCl/-	X	X	PVE1432-01
003-BS-S-031912	W	3x40mL 2x1L	5	3/19/12	1118	HCl/-	X	X	02
003-BS-S-031912	W	3x40mL 2x1L	5	3/19/12	1428	HCl/-	X	X	03
GW-EB4-031912	W	2x40mL	3	3/19/12	1429	HCl	X		04
GW-LI-1-031912	W	1x40mL	1	3/19/12	-	HCl	X		05 Trip Blank

Relinquished By: [signature] ERM	Date/Time: 3/19 1600	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/19/12 1600

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
Intact Y on ice Y

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

22°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/19/12
Received: 03/19/12
Revised: 04/06/12 16:54

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1433-01	OU3-8M2-M-031912	Water
PVC1433-02	OU3-9M2-M-031912	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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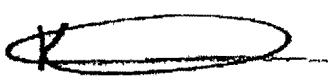
Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice 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 QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Revised report on 040612 to change narrative.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1433-01RE1 (OU3-8M2-M-031912 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	**0.60**	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	**2.5**	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1433-01RE1 (OU3-8M2-M-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	**1.0**	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	**25**	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	**0.58**	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1433-02RE1 (OU3-9M2-M-031912 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1160	10	ND	1	3/27/2012	3/27/2012	L3
Benzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromodichloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Bromoform	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Bromomethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Butanone (MEK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
sec-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
tert-Butylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Carbon disulfide	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Chloroethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Chloroform	EPA 8260B	12C1160	0.50	**1.6**	1	3/27/2012	3/27/2012	
Chloromethane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
2-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
4-Chlorotoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromochloromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dibromomethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Dichlorodifluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3-Dichloropropane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
2,2-Dichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Ethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Hexachlorobutadiene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1433-02RE1 (OU3-9M2-M-031912 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	L3
Iodomethane	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Isopropylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
p-Isopropyltoluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Methylene Chloride	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Naphthalene	EPA 8260B	12C1160	2.5	ND	1	3/27/2012	3/27/2012	
n-Propylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Styrene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Tetrachloroethene	EPA 8260B	12C1160	0.50	**2.5**	1	3/27/2012	3/27/2012	
Toluene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Trichloroethene	EPA 8260B	12C1160	0.50	**1.8**	1	3/27/2012	3/27/2012	
Trichlorofluoromethane	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Vinyl Acetate	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	N1a
Vinyl chloride	EPA 8260B	12C1160	0.50	ND	1	3/27/2012	3/27/2012	
Xylenes, Total	EPA 8260B	12C1160	1.0	ND	1	3/27/2012	3/27/2012	
Freon 113	EPA 8260B	12C1160	2.0	ND	1	3/27/2012	3/27/2012	
Surrogate: Dibromofluoromethane (80-130%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax.(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1433-01 (OU3-8M2-M-031912 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	ND	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*66 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*94 %*				
Sample ID: PVC1433-02 (OU3-9M2-M-031912 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	ND	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*69 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*94 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

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Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Blank Analyzed: 03/27/2012 (12C1160-BLK1)										N1
Acetone	ND	10	ug/l							
Benzene	ND	0 50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0 50	ug/l							
Bromodichloromethane	ND	0 50	ug/l							
Bromoform	ND	1 0	ug/l							
Bromomethane	ND	1 0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0 50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2 5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0 50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0 50	ug/l							
1,2-Dichloropropane	ND	0 50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Scottsdale, AZ 85251
Attention: Jason Hilker

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Sampled: 03/19/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Blank Analyzed: 03/27/2012 (12C1160-BLK1)										**N1**
1,1-Dichloropropene	ND	0 50	ug/l							
cis-1,3-Dichloropropene	ND	0 50	ug/l							
trans-1,3-Dichloropropene	ND	0 50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1 0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0 50	ug/l							
Styrene	ND	0 50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0 50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0 50	ug/l							
Trichloroethene	ND	0 50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0 50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1 0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Analyzed: 03/27/2012 (12C1160-BS1)										N1
Acetone	40.6	10	ug/l	25.0		162	10-150			*L3*
Benzene	25.8	0.50	ug/l	25.0		103	80-120			
Bromobenzene	29.2	0.50	ug/l	25.0		117	80-120			
Bromochloromethane	25.0	0.50	ug/l	25.0		100	80-125			
Bromodichloromethane	27.1	0.50	ug/l	25.0		108	80-120			
Bromoform	25.5	1.0	ug/l	25.0		102	75-130			
Bromomethane	24.0	1.0	ug/l	25.0		96	55-150			
2-Butanone (MEK)	32.5	2.5	ug/l	25.0		130	40-150			
n-Butylbenzene	27.3	0.50	ug/l	25.0		109	80-130			
sec-Butylbenzene	27.0	0.50	ug/l	25.0		108	80-125			
tert-Butylbenzene	28.4	0.50	ug/l	25.0		114	80-120			
Carbon disulfide	24.6	1.0	ug/l	25.0		98	70-140			
Carbon tetrachloride	28.2	0.50	ug/l	25.0		113	75-130			
Chlorobenzene	26.9	0.50	ug/l	25.0		108	80-120			
Chloroethane	22.8	1.0	ug/l	25.0		91	70-130			
Chloroform	23.7	0.50	ug/l	25.0		95	75-120			
Chloromethane	22.6	1.0	ug/l	25.0		91	60-140			
2-Chlorotoluene	27.0	0.50	ug/l	25.0		108	80-120			
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	80-120			
Dibromochloromethane	26.2	0.50	ug/l	25.0		105	80-120			
1,2-Dibromo-3-chloropropane	29.6	2.5	ug/l	25.0		118	50-150			
1,2-Dibromoethane (EDB)	28.1	0.50	ug/l	25.0		113	80-120			
Dibromomethane	25.7	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	27.3	0.50	ug/l	25.0		109	80-120			
1,3-Dichlorobenzene	27.4	0.50	ug/l	25.0		110	80-120			
1,4-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
Dichlorodifluoromethane	23.5	0.50	ug/l	25.0		94	60-150			
1,1-Dichloroethane	24.0	0.50	ug/l	25.0		96	70-125			
1,2-Dichloroethane	25.1	0.50	ug/l	25.0		101	75-130			
1,1-Dichloroethene	25.5	0.50	ug/l	25.0		102	75-125			
cis-1,2-Dichloroethene	24.6	0.50	ug/l	25.0		98	80-120			
trans-1,2-Dichloroethene	26.3	0.50	ug/l	25.0		105	80-120			
1,2-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120			
1,3-Dichloropropane	26.2	0.50	ug/l	25.0		105	80-120			
2,2-Dichloropropane	25.2	1.0	ug/l	25.0		101	75-130			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Analyzed: 03/27/2012 (12C1160-BS1)										N1
1,1-Dichloropropene	26 1	0 50	ug/l	25 0		104	75-120			
cis-1,3-Dichloropropene	28.2	0 50	ug/l	25.0		113	80-120			
trans-1,3-Dichloropropene	24 0	0.50	ug/l	25 0		96	80-125			
Ethylbenzene	28 8	0 50	ug/l	25.0		115	80-120			
Hexachlorobutadiene	28.9	1.0	ug/l	25 0		116	40-150			
2-Hexanone	38 9	2.5	ug/l	25 0		155	20-150			*L3*
Iodomethane	29.0	2 5	ug/l	25.0		116	80-130			
Isopropylbenzene	31 1	0 50	ug/l	25 0		125	80-130			
p-Isopropyltoluene	27.5	0.50	ug/l	25.0		110	80-130			
Methylene Chloride	22 4	1.0	ug/l	25.0		90	70-120			
4-Methyl-2-pentanone (MIBK)	27.8	2 5	ug/l	25 0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	24.6	0 50	ug/l	25.0		98	70-130			
Naphthalene	30 7	2 5	ug/l	25.0		123	40-150			
n-Propylbenzene	29.2	0.50	ug/l	25 0		117	75-130			
Styrene	29 6	0.50	ug/l	25 0		118	80-120			
1,1,1,2-Tetrachloroethane	28 7	0.50	ug/l	25.0		115	75-125			
1,1,2,2-Tetrachloroethane	27.7	0.50	ug/l	25 0		111	80-120			
Tetrachloroethene	28.5	0.50	ug/l	25.0		114	70-130			
Toluene	26.3	0 50	ug/l	25 0		105	80-120			
1,2,3-Trichlorobenzene	28.0	1 0	ug/l	25.0		112	55-150			
1,2,4-Trichlorobenzene	28.5	1 0	ug/l	25.0		114	50-150			
1,1,1-Trichloroethane	25.5	0.50	ug/l	25 0		102	75-125			
1,1,2-Trichloroethane	25 4	0.50	ug/l	25.0		101	80-120			
Trichloroethene	26 1	0 50	ug/l	25 0		105	80-120			
Trichlorofluoromethane	27 7	0 50	ug/l	25 0		111	70-150			
1,2,3-Trichloropropane	28.0	1 0	ug/l	25.0		112	70-130			
1,2,4-Trimethylbenzene	27 7	0.50	ug/l	25.0		111	80-120			
1,3,5-Trimethylbenzene	27 6	0 50	ug/l	25.0		111	80-130			
Vinyl Acetate	28.4	1.0	ug/l	25.0		114	40-150			
Vinyl chloride	23.8	0 50	ug/l	25.0		95	70-130			
Xylenes, Total	54 7	1.0	ug/l	50 0		109	60-140			
Freon 113	24.5	2 0	ug/l	25.0		98	60-140			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-130*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

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Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Dup Analyzed: 03/27/2012 (12C1160-BSD1)										N1
Acetone	32.8	10	ug/l	25.0		131	10-150	21	35	
Benzene	25.7	0.50	ug/l	25.0		103	80-120	0.4	15	
Bromobenzene	29.5	0.50	ug/l	25.0		118	80-120	1	15	
Bromochloromethane	26.6	0.50	ug/l	25.0		107	80-125	7	15	
Bromodichloromethane	27.1	0.50	ug/l	25.0		108	80-120	0.04	15	
Bromoform	24.8	1.0	ug/l	25.0		99	75-130	3	20	
Bromomethane	23.8	1.0	ug/l	25.0		95	55-150	0.8	20	
2-Butanone (MEK)	27.0	2.5	ug/l	25.0		108	40-150	19	35	
n-Butylbenzene	27.4	0.50	ug/l	25.0		110	80-130	0.7	15	
sec-Butylbenzene	26.9	0.50	ug/l	25.0		107	80-125	0.6	15	
tert-Butylbenzene	28.6	0.50	ug/l	25.0		114	80-120	0.6	15	
Carbon disulfide	24.7	1.0	ug/l	25.0		99	70-140	0.6	15	
Carbon tetrachloride	28.8	0.50	ug/l	25.0		115	75-130	2	20	
Chlorobenzene	25.2	0.50	ug/l	25.0		101	80-120	7	15	
Chloroethane	23.0	1.0	ug/l	25.0		92	70-130	0.7	15	
Chloroform	23.8	0.50	ug/l	25.0		95	75-120	0.2	15	
Chloromethane	22.1	1.0	ug/l	25.0		89	60-140	2	20	
2-Chlorotoluene	26.1	0.50	ug/l	25.0		104	80-120	3	15	
4-Chlorotoluene	26.8	0.50	ug/l	25.0		107	80-120	2	15	
Dibromochloromethane	25.3	0.50	ug/l	25.0		101	80-120	4	15	
1,2-Dibromo-3-chloropropane	29.2	2.5	ug/l	25.0		117	50-150	1	35	
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0		107	80-120	5	15	
Dibromomethane	27.4	0.50	ug/l	25.0		109	75-120	6	15	
1,2-Dichlorobenzene	26.7	0.50	ug/l	25.0		107	80-120	2	15	
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		108	80-120	1	15	
1,4-Dichlorobenzene	26.2	0.50	ug/l	25.0		105	80-120	2	15	
Dichlorodifluoromethane	24.6	0.50	ug/l	25.0		98	60-150	4	30	
1,1-Dichloroethane	24.0	0.50	ug/l	25.0		96	70-125	0.2	15	
1,2-Dichloroethane	25.5	0.50	ug/l	25.0		102	75-130	1	15	
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	75-125	0.7	20	
cis-1,2-Dichloroethene	25.6	0.50	ug/l	25.0		102	80-120	4	15	
trans-1,2-Dichloroethene	26.2	0.50	ug/l	25.0		105	80-120	0.3	15	
1,2-Dichloropropane	24.6	0.50	ug/l	25.0		98	80-120	0.5	15	
1,3-Dichloropropane	25.3	0.50	ug/l	25.0		101	80-120	3	15	
2,2-Dichloropropane	25.6	1.0	ug/l	25.0		102	75-130	1	15	

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
LCS Dup Analyzed: 03/27/2012 (12C1160-BSD1)										N1
1,1-Dichloropropene	26.3	0.50	ug/l	25.0		105	75-120	1	15	
cis-1,3-Dichloropropene	28.5	0.50	ug/l	25.0		114	80-120	1	15	
trans-1,3-Dichloropropene	24.2	0.50	ug/l	25.0		97	80-125	0.9	15	
Ethylbenzene	27.9	0.50	ug/l	25.0		112	80-120	3	15	
Hexachlorobutadiene	29.1	1.0	ug/l	25.0		116	40-150	0.8	35	
2-Hexanone	31.1	2.5	ug/l	25.0		124	20-150	22	35	
Iodomethane	28.9	2.5	ug/l	25.0		116	80-130	0.3	10	
Isopropylbenzene	30.4	0.50	ug/l	25.0		122	80-130	2	15	
p-Isopropyltoluene	27.2	0.50	ug/l	25.0		109	80-130	1	15	
Methylene Chloride	22.9	1.0	ug/l	25.0		92	70-120	2	15	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	24.1	0.50	ug/l	25.0		96	70-130	2	20	
Naphthalene	29.2	2.5	ug/l	25.0		117	40-150	5	30	
n-Propylbenzene	28.2	0.50	ug/l	25.0		113	75-130	3	15	
Styrene	28.7	0.50	ug/l	25.0		115	80-120	3	15	
1,1,1,2-Tetrachloroethane	28.0	0.50	ug/l	25.0		112	75-125	3	15	
1,1,2,2-Tetrachloroethane	28.6	0.50	ug/l	25.0		114	80-120	3	20	
Tetrachloroethene	27.8	0.50	ug/l	25.0		111	70-130	3	20	
Toluene	27.1	0.50	ug/l	25.0		108	80-120	3	15	
1,2,3-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	55-150	2	35	
1,2,4-Trichlorobenzene	28.2	1.0	ug/l	25.0		113	50-150	1	30	
1,1,1-Trichloroethane	25.3	0.50	ug/l	25.0		101	75-125	0.7	15	
1,1,2-Trichloroethane	25.4	0.50	ug/l	25.0		102	80-120	0.1	15	
Trichloroethene	26.8	0.50	ug/l	25.0		107	80-120	3	15	
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	70-150	0.9	25	
1,2,3-Trichloropropane	27.9	1.0	ug/l	25.0		112	70-130	0.3	20	
1,2,4-Trimethylbenzene	27.8	0.50	ug/l	25.0		111	80-120	0.2	15	
1,3,5-Trimethylbenzene	28.2	0.50	ug/l	25.0		113	80-130	2	15	
Vinyl Acetate	28.3	1.0	ug/l	25.0		113	40-150	0.4	25	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	70-130	0.3	20	
Xylenes, Total	54.3	1.0	ug/l	50.0		109	60-140	0.7	15	
Freon 113	24.6	2.0	ug/l	25.0		98	60-140	0.4	15	
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*95*	*80-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-125*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Analyzed: 03/27/2012 (12C1160-MS1)					**Source: PVC1463-11RE1**					**N1**
Acetone	28.4	10	ug/l	25.0	ND	113	10-150			
Benzene	25 9	0 50	ug/l	25.0	ND	104	70-125			
Bromobenzene	28.0	0 50	ug/l	25 0	ND	112	75-120			
Bromochloromethane	26 8	0.50	ug/l	25 0	ND	107	75-130			
Bromodichloromethane	28.6	0 50	ug/l	25 0	ND	114	75-125			
Bromoform	23 0	1.0	ug/l	25.0	ND	92	65-125			
Bromomethane	25 9	1 0	ug/l	25.0	ND	104	45-150			
2-Butanone (MEK)	19.4	2 5	ug/l	25 0	ND	78	15-150			
n-Butylbenzene	28 6	0.50	ug/l	25.0	ND	115	70-130			
sec-Butylbenzene	27.6	0 50	ug/l	25 0	ND	110	70-125			
tert-Butylbenzene	28 9	0.50	ug/l	25 0	ND	116	70-125			
Carbon disulfide	25 8	1.0	ug/l	25.0	ND	103	65-145			
Carbon tetrachloride	30 7	0.50	ug/l	25.0	ND	123	65-135			
Chlorobenzene	25.9	0 50	ug/l	25.0	ND	104	75-120			
Chloroethane	23.6	1.0	ug/l	25 0	ND	95	65-140			
Chloroform	26.9	0.50	ug/l	25 0	ND	108	70-130			
Chloromethane	23.5	1.0	ug/l	25 0	ND	94	55-145			
2-Chlorotoluene	27 2	0.50	ug/l	25.0	ND	109	70-125			
4-Chlorotoluene	27 4	0.50	ug/l	25 0	ND	110	70-125			
Dibromochloromethane	25.9	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	27.3	2.5	ug/l	25 0	ND	109	50-150			
1,2-Dibromoethane (EDB)	25.8	0 50	ug/l	25 0	ND	103	70-125			
Dibromomethane	26.5	0.50	ug/l	25 0	ND	106	70-120			
1,2-Dichlorobenzene	27 6	0.50	ug/l	25 0	ND	110	75-120			
1,3-Dichlorobenzene	27 6	0.50	ug/l	25.0	ND	110	75-120			
1,4-Dichlorobenzene	26 6	0.50	ug/l	25.0	ND	106	70-125			
Dichlorodifluoromethane	28.0	0.50	ug/l	25.0	ND	112	60-150			
1,1-Dichloroethane	25.1	0 50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	29.6	0.50	ug/l	25 0	ND	119	65-140			
1,1-Dichloroethene	26.2	0.50	ug/l	25.0	ND	105	70-130			
cis-1,2-Dichloroethene	27.0	0.50	ug/l	25 0	0.480	106	70-125			
trans-1,2-Dichloroethene	26.7	0.50	ug/l	25 0	ND	107	75-125			
1,2-Dichloropropane	24 2	0.50	ug/l	25 0	ND	97	75-125			
1,3-Dichloropropane	25.5	0.50	ug/l	25.0	ND	102	70-120			
2,2-Dichloropropane	28 8	1.0	ug/l	25 0	ND	115	65-140			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Analyzed: 03/27/2012 (12C1160-MS1)					**Source: PVC1463-11RE1**					**N1**
1,1-Dichloropropene	26 4	0 50	ug/l	25.0	ND	106	65-130			
cis-1,3-Dichloropropene	27 6	0.50	ug/l	25 0	ND	110	75-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Ethylbenzene	28.1	0.50	ug/l	25.0	ND	112	70-125			
Hexachlorobutadiene	28 9	1 0	ug/l	25.0	ND	116	40-150			
2-Hexanone	21.4	2.5	ug/l	25 0	ND	86	20-150			
Iodomethane	29 6	2.5	ug/l	25.0	ND	118	60-150			
Isopropylbenzene	31.5	0.50	ug/l	25 0	ND	126	75-130			
p-Isopropyltoluene	28.4	0.50	ug/l	25.0	ND	114	70-130			
Methylene Chloride	22.4	1.0	ug/l	25 0	ND	89	65-130			
4-Methyl-2-pentanone (MIBK)	24 0	2 5	ug/l	25 0	ND	96	55-135			
Methyl-tert-butyl Ether (MTBE)	24 1	0.50	ug/l	25 0	ND	96	65-140			
Naphthalene	27 0	2.5	ug/l	25 0	ND	108	40-150			
n-Propylbenzene	29.6	0.50	ug/l	25.0	ND	119	70-130			
Styrene	28 1	0.50	ug/l	25.0	ND	112	55-135			
1,1,1,2-Tetrachloroethane	28.1	0.50	ug/l	25.0	ND	112	70-125			
1,1,2,2-Tetrachloroethane	25 9	0.50	ug/l	25.0	ND	103	70-125			
Tetrachloroethene	33 4	0.50	ug/l	25 0	7 29	104	65-130			
Toluene	26 6	0.50	ug/l	25 0	ND	106	70-125			
1,2,3-Trichlorobenzene	27 2	1.0	ug/l	25.0	ND	109	50-150			
1,2,4-Trichlorobenzene	27.9	1 0	ug/l	25.0	ND	111	50-150			
1,1,1-Trichloroethane	29 3	0.50	ug/l	25.0	ND	117	70-130			
1,1,2-Trichloroethane	24.8	0.50	ug/l	25 0	ND	99	75-125			
Trichloroethene	27 4	0.50	ug/l	25.0	0 380	108	70-125			
Trichlorofluoromethane	33.6	0.50	ug/l	25 0	ND	134	65-150			
1,2,3-Trichloropropane	27.4	1.0	ug/l	25 0	ND	110	70-130			
1,2,4-Trimethylbenzene	28.7	0 50	ug/l	25.0	ND	115	70-125			
1,3,5-Trimethylbenzene	28 6	0 50	ug/l	25.0	ND	114	75-130			
Vinyl Acetate	25.8	1.0	ug/l	25.0	ND	103	40-150			
Vinyl chloride	25 3	0.50	ug/l	25 0	ND	101	60-140			
Xylenes, Total	54.7	1 0	ug/l	50 0	ND	109	75-120			
Freon 113	25.9	2.0	ug/l	25.0	ND	104	65-140			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Dup Analyzed: 03/27/2012 (12C1160-MSD1)					**Source: PVC1463-11RE1**					**N1**
Acetone	27.2	10	ug/l	25.0	ND	109	10-150	4	35	
Benzene	25.6	0.50	ug/l	25.0	ND	102	70-125	1	25	
Bromobenzene	28 4	0.50	ug/l	25.0	ND	114	75-120	1	20	
Bromochloromethane	26.2	0.50	ug/l	25.0	ND	105	75-130	2	20	
Bromodichloromethane	28 8	0 50	ug/l	25.0	ND	115	75-125	0.8	20	
Bromoform	23.9	1 0	ug/l	25.0	ND	95	65-125	4	25	
Bromomethane	27 2	1.0	ug/l	25.0	ND	109	45-150	5	35	
2-Butanone (MEK)	19.4	2 5	ug/l	25.0	ND	78	15-150	0	30	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	8	30	
sec-Butylbenzene	27 3	0.50	ug/l	25.0	ND	109	70-125	1	30	
tert-Butylbenzene	28 4	0 50	ug/l	25.0	ND	113	70-125	2	25	
Carbon disulfide	25.0	1.0	ug/l	25.0	ND	100	65-145	3	25	
Carbon tetrachloride	30 4	0 50	ug/l	25.0	ND	122	65-135	1	25	
Chlorobenzene	25.6	0.50	ug/l	25.0	ND	102	75-120	1	20	
Chloroethane	24.2	1.0	ug/l	25 0	ND	97	65-140	2	25	
Chloroform	26.1	0.50	ug/l	25.0	ND	105	70-130	3	20	
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	55-145	9	35	
2-Chlorotoluene	27.4	0.50	ug/l	25 0	ND	109	70-125	0.4	25	
4-Chlorotoluene	28 0	0.50	ug/l	25.0	ND	112	70-125	2	25	
Dibromochloromethane	26 0	0 50	ug/l	25.0	ND	104	70-130	0.3	20	
1,2-Dibromo-3-chloropropane	29.1	2.5	ug/l	25.0	ND	116	50-150	6	30	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25 0	ND	104	70-125	0.4	20	
Dibromomethane	26.8	0.50	ug/l	25.0	ND	107	70-120	1	20	
1,2-Dichlorobenzene	27.4	0.50	ug/l	25 0	ND	110	75-120	0.7	20	
1,3-Dichlorobenzene	26.5	0.50	ug/l	25.0	ND	106	75-120	4	25	
1,4-Dichlorobenzene	26.0	0.50	ug/l	25 0	ND	104	70-125	2	20	
Dichlorodifluoromethane	28.1	0.50	ug/l	25 0	ND	112	60-150	0.2	30	
1,1-Dichloroethane	24.8	0.50	ug/l	25.0	ND	99	70-130	1	20	
1,2-Dichloroethane	29.0	0.50	ug/l	25.0	ND	116	65-140	2	20	
1,1-Dichloroethene	25.2	0.50	ug/l	25.0	ND	101	70-130	4	25	
cis-1,2-Dichloroethene	26 1	0.50	ug/l	25.0	0.480	102	70-125	3	20	
trans-1,2-Dichloroethene	25.4	0.50	ug/l	25 0	ND	102	75-125	5	25	
1,2-Dichloropropane	24.4	0.50	ug/l	25.0	ND	98	75-125	0 6	20	
1,3-Dichloropropane	25.3	0.50	ug/l	25.0	ND	101	70-120	0.8	20	
2,2-Dichloropropane	27.3	1.0	ug/l	25.0	ND	109	65-140	5	25	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1160 Extracted: 03/27/12										
Matrix Spike Dup Analyzed: 03/27/2012 (12C1160-MSD1)					**Source: PVC1463-11RE1**					**N1**
1,1-Dichloropropene	26 2	0 50	ug/l	25 0	ND	105	65-130	0 9	25	
cis-1,3-Dichloropropene	27.5	0 50	ug/l	25 0	ND	110	75-130	0.1	20	
trans-1,3-Dichloropropene	25.1	0 50	ug/l	25.0	ND	100	70-130	2	20	
Ethylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-125	0.7	25	
Hexachlorobutadiene	26 9	1.0	ug/l	25.0	ND	107	40-150	7	30	
2-Hexanone	23 7	2.5	ug/l	25.0	ND	95	20-150	10	30	
Iodomethane	28.6	2.5	ug/l	25.0	ND	115	60-150	3	30	
Isopropylbenzene	30.4	0.50	ug/l	25 0	ND	122	75-130	3	25	
p-Isopropyltoluene	27.6	0.50	ug/l	25 0	ND	110	70-130	3	30	
Methylene Chloride	22 7	1 0	ug/l	25.0	ND	91	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	24 8	2.5	ug/l	25.0	ND	99	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	25.2	0 50	ug/l	25 0	ND	101	65-140	4	25	
Naphthalene	26 3	2.5	ug/l	25.0	ND	105	40-150	3	30	
n-Propylbenzene	29.2	0 50	ug/l	25 0	ND	117	70-130	2	30	
Styrene	29 0	0.50	ug/l	25.0	ND	116	55-135	3	35	
1,1,1,2-Tetrachloroethane	28.1	0.50	ug/l	25.0	ND	112	70-125	0.1	20	
1,1,2,2-Tetrachloroethane	26.6	0 50	ug/l	25 0	ND	106	70-125	3	25	
Tetrachloroethene	32 1	0 50	ug/l	25.0	7 29	99	65-130	4	25	
Toluene	26 5	0 50	ug/l	25 0	ND	106	70-125	0 5	20	
1,2,3-Trichlorobenzene	26.1	1.0	ug/l	25 0	ND	104	50-150	4	35	
1,2,4-Trichlorobenzene	27 2	1 0	ug/l	25.0	ND	109	50-150	2	25	
1,1,1-Trichloroethane	28 6	0.50	ug/l	25.0	ND	114	70-130	2	25	
1,1,2-Trichloroethane	25.6	0 50	ug/l	25 0	ND	102	75-125	3	20	
Trichloroethene	27 5	0 50	ug/l	25.0	0 380	108	70-125	0.1	25	
Trichlorofluoromethane	32.2	0.50	ug/l	25 0	ND	129	65-150	4	25	
1,2,3-Trichloropropane	28.4	1 0	ug/l	25.0	ND	114	70-130	4	25	
1,2,4-Trimethylbenzene	27.8	0 50	ug/l	25 0	ND	111	70-125	3	30	
1,3,5-Trimethylbenzene	28.7	0.50	ug/l	25 0	ND	115	75-130	0.5	25	
Vinyl Acetate	26 6	1.0	ug/l	25.0	ND	106	40-150	3	30	
Vinyl chloride	27.3	0.50	ug/l	25 0	ND	109	60-140	8	25	
Xylenes, Total	54.1	1 0	ug/l	50 0	ND	108	75-120	1	15	
Freon 113	26 0	2 0	ug/l	25.0	ND	104	65-140	0 5	20	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*103*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0956 Extracted: 03/21/12										
Blank Analyzed: 03/27/2012 (12C0956-BLK1)										**N1**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*9.72*		*ug/l*	*20.0*		*49*	*38 6-88.3*			
Surrogate: Nitrobenzene-d5	*13.9*		*ug/l*	*20.0*		*69*	*59.9-120*			
LCS Analyzed: 03/27/2012 (12C0956-BS1)										**Q8, N1**
1,4-Dioxane	19.4	1.0	ug/l	20.0		97	80-120			
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.6*		*ug/l*	*20.0*		*103*	*38-125*			
LCS Dup Analyzed: 03/27/2012 (12C0956-BSD1)										**Q8, N1**
1,4-Dioxane	20.0	1.0	ug/l	20.0		100	80-120	3	25	
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.3*		*ug/l*	*20.0*		*106*	*38-125*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1433

Sampled: 03/19/12
Received: 03/19/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X
NA	Water		

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM 7272 E Indian School Road #100 Scottsdale AZ 85251	Project/PO Number: 003 0096498.032
Project Manager: jason.hilker@erm.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260	Analysis Required: 1,4 Dioxane 8270	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Analysis Required	Special Instructions
003-8M2-M-031912	W	3x40mL 2x1L	5	3/19/12	1056	HCl/-	X	X			PVC1433-01					Level IV
003-9M2-M-031912	W	3x40mL 2x1L	5	3/19/12	1353	HCl/-	X	X						02		Level IV
~~003-9~~																

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
CRW/ERM	3/19 1600			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/19/12 1600	Intact ✓	on ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.2°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/20/12
Received: 03/20/12
Revised: 04/09/12 15:20

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1520-01	OU3-10M2-M-032012	Water
PVC1520-02	OU3-10M2-M-032012-Q1	Water
PVC1520-03	OU3-10M-M-032012	Water
PVC1520-04	EWOU3-10S-R-S-032012	Water
PVC1520-05	OU3-10S-S-032012	Water
PVC1520-06	OU3-16M-M-032012	Water
PVC1520-07	OU3-16M-M-032012-Q1	Water
PVC1520-08	OU3-16S-S-032012	Water
PVC1520-09	GW-EB5-032012	Water
PVC1520-10	GW-L1-1-032012	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

SAMPLE RECEIPT:	Samples were received intact, at 0°C, on ice 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. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. N1-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Report revised on 040912 to change narrative.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-01 (OU3-10M2-M-032012 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**1.4**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**6.1**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**9.7**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**7.0**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-01 (OU3-10M2-M-032012 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Aethylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Iaphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tyrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'etrachloroethene	EPA 8260B	12C1231	0.50	**1.5**	1	3/28/2012	3/28/2012	
'oluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'richloroethene	EPA 8260B	12C1231	0.50	**36**	1	3/28/2012	3/28/2012	
'richlorofluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'inyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
'inyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'ylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
reon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
urrogate: Dibromofluoromethane (80-130%)				*104 %*				
urrogate: Toluene-d8 (80-120%)				*99 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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'ylie Emily
'roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-02 (OU3-10M2-M-032012-Q1 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**1.6**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**5.7**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**9.6**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**7.5**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-02 (OU3-10M2-M-032012-Q1 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
Iodomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Isopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Methylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Naphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Tetrachloroethene	EPA 8260B	12C1231	0.50	**1.5**	1	3/28/2012	3/28/2012	
Toluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Trichloroethene	EPA 8260B	12C1231	0.50	**36**	1	3/28/2012	3/28/2012	
Trichlorofluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Vinyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Vinyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-03 (OU3-10M-M-032012 - Water) - cont.								N1
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
Iodomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Isopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
p-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Methylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Naphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Tetrachloroethene	EPA 8260B	12C1231	0.50	**0.75**	1	3/28/2012	3/28/2012	
Toluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Trichloroethene	EPA 8260B	12C1231	0.50	**9.8**	1	3/28/2012	3/28/2012	
Trichlorofluoromethane	EPA 8260B	12C1231	0.50	**0.60**	1	3/28/2012	3/28/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Vinyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Vinyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-03 (OU3-10M-M-032012 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**3.2**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**1.8**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**2.1**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**1.9**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-04 (EWOU3-10S-R-S-032012 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**3.3**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**1.8**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**1.9**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520
Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-04 (EWOU3-10S-R-S-032012 - Water) - cont.								N1
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Methylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Naphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Tetrachloroethene	EPA 8260B	12C1231	0.50	**0.62**	1	3/28/2012	3/28/2012	
Toluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Trichloroethene	EPA 8260B	12C1231	0.50	**11**	1	3/28/2012	3/28/2012	
Trichlorofluoromethane	EPA 8260B	12C1231	0.50	**0.70**	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Vinyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Vinyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-05 (OU3-10S-S-032012 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**3.6**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**1.3**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**1.4**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**1.2**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-05 (OU3-10S-S-032012 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Iethylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Iethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Iaphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tyrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'etrachloroethene	EPA 8260B	12C1231	0.50	**0.54**	1	3/28/2012	3/28/2012	
'oluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'richloroethene	EPA 8260B	12C1231	0.50	**6.4**	1	3/28/2012	3/28/2012	
'richlorofluoromethane	EPA 8260B	12C1231	0.50	**0.73**	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
'inyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
'inyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Cylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
'reon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
'urrogate: Dibromofluoromethane (80-130%)				*108 %*				
'urrogate: Toluene-d8 (80-120%)				*98 %*				
'urrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Cylie Emily
'roject Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-06 (OU3-16M-M-032012 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**2.0**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**7.5**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**12**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**18**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-06 (OU3-16M-M-032012 - Water) - cont.								N1
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Aethylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Japhthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
etrachloroethene	EPA 8260B	12C1231	0.50	**4.0**	1	3/28/2012	3/28/2012	
oluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
richloroethene	EPA 8260B	12C1231	0.50	**100**	1	3/28/2012	3/28/2012	
richlorofluoromethane	EPA 8260B	12C1231	0.50	**0.60**	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
/inyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
/inyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*102 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-07 (OU3-16M-M-032012-Q1 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**1.8**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**7.5**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**12**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**18**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-07 (OU3-16M-M-032012-Q1 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Methylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Naphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Tetrachloroethene	EPA 8260B	12C1231	0.50	**4.0**	1	3/28/2012	3/28/2012	
Toluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Trichloroethene	EPA 8260B	12C1231	0.50	**99**	1	3/28/2012	3/28/2012	
Trichlorofluoromethane	EPA 8260B	12C1231	0.50	**0.64**	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Vinyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Vinyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*101 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-08 (OU3-16S-S-032012 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	L3, V1
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**2.3**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	**0.53**	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	**4.2**	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	**4.1**	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	**6.9**	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-08 (OU3-16S-S-032012 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Methylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Naphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Styrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Tetrachloroethene	EPA 8260B	12C1231	0.50	**1.8**	1	3/28/2012	3/28/2012	
Toluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Trichloroethene	EPA 8260B	12C1231	0.50	**37**	1	3/28/2012	3/28/2012	
Trichlorofluoromethane	EPA 8260B	12C1231	0.50	**0.50**	1	3/28/2012	3/28/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Vinyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Vinyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Freon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-09 (GW-EB5-032012 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	**2.2**	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	**3.9**	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	**1.2**	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-09 (GW-EB5-032012 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Aethylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
laphthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tyrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
etrachloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
oluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
richloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
richlorofluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
inyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
inyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Xylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
reon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
urrogate: Dibromofluoromethane (80-130%)				*109 %*				
urrogate: Toluene-d8 (80-120%)				*97 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*103 %*				

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ylie Emily
roject Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-10 (GW-L1-1-032012 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1231	10	ND	1	3/28/2012	3/28/2012	V1, L3
Benzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromodichloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Bromoform	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Bromomethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Butanone (MEK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
n-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
sec-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tert-Butylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Carbon disulfide	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	L3
Chlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloroethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
Chloroform	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Chloromethane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
2-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
4-Chlorotoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromochloromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dibromomethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Dichlorodifluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,1-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,2-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
1,3-Dichloropropane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
2,2-Dichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
1,1-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Ethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Hexachlorobutadiene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-10 (GW-L1-1-032012 - Water) - cont.								N1
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	L3
odomethane	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
sopropylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
-Isopropyltoluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Aethylene Chloride	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
Japhthalene	EPA 8260B	12C1231	2.5	ND	1	3/28/2012	3/28/2012	
-Propylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
tyrene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
etrachloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
oluene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,1,1-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,1,2-Trichloroethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
richloroethene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
richlorofluoromethane	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,2,3-Trichloropropane	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
inyl Acetate	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	N1a
inyl chloride	EPA 8260B	12C1231	0.50	ND	1	3/28/2012	3/28/2012	
ylenes, Total	EPA 8260B	12C1231	1.0	ND	1	3/28/2012	3/28/2012	
reon 113	EPA 8260B	12C1231	2.0	ND	1	3/28/2012	3/28/2012	
urrogate: Dibromofluoromethane (80-130%)				*111 %*				
urrogate: Toluene-d8 (80-120%)				*99 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1520-01 (OU3-10M2-M-032012 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**3.3**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*67 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*91 %*				
Sample ID: PVC1520-02 (OU3-10M2-M-032012-Q1 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**3.1**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*64 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*91 %*				
Sample ID: PVC1520-03 (OU3-10M-M-032012 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**1.3**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*59 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*82 %*				
Sample ID: PVC1520-04 (EWOU3-10S-R-S-032012 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**1.1**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*65 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*94 %*				
Sample ID: PVC1520-05 (OU3-10S-S-032012 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**1.0**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*62 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*91 %*				
Sample ID: PVC1520-06 (OU3-16M-M-032012 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**3.0**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*61 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*90 %*				
Sample ID: PVC1520-07 (OU3-16M-M-032012-Q1 - Water)								N1
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C0956	1.0	**2.7**	1	3/21/2012	3/27/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*72 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*98 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

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1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1520-08 (OU3-16S-S-032012 - Water)								**N1**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1007	1.0	**1.9**	1	3/22/2012	3/29/2012	
'urrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*56 %*				
'urrogate: Nitrobenzene-d5 (59.9-120%)				*87 %*				

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Scottsdale, AZ 85251
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Blank Analyzed: 03/28/2012 (12C1231-BLK1)										**N1**
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0 50	ug/l							
Carbon disulfide	ND	1 0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1 0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0 50	ug/l							
Dibromochloromethane	ND	0 50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0 50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Scottsdale, AZ 85251
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Report Number: PVC1520

Sampled: 03/20/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Blank Analyzed: 03/28/2012 (12C1231-BLK1)										N1
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
4-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
LCS Analyzed: 03/28/2012 (12C1231-BS1)										**N1**
Acetone	51 5	10	ug/l	25.0		206	10-150			*V1, L3*
Benzene	25.4	0.50	ug/l	25.0		102	80-120			
Bromobenzene	27.4	0.50	ug/l	25.0		109	80-120			
Bromochloromethane	27 7	0.50	ug/l	25.0		111	80-125			
Bromodichloromethane	29 8	0.50	ug/l	25 0		119	80-120			
Bromoform	24.3	1.0	ug/l	25.0		97	75-130			
Bromomethane	28.2	1 0	ug/l	25 0		113	55-150			
2-Butanone (MEK)	35 4	2.5	ug/l	25.0		142	40-150			
n-Butylbenzene	26 8	0.50	ug/l	25 0		107	80-130			
sec-Butylbenzene	26 7	0.50	ug/l	25.0		107	80-125			
tert-Butylbenzene	28 0	0.50	ug/l	25.0		112	80-120			
Carbon disulfide	25.6	1.0	ug/l	25.0		103	70-140			
Carbon tetrachloride	31.4	0 50	ug/l	25.0		126	75-130			
Chlorobenzene	26.0	0.50	ug/l	25.0		104	80-120			
Chloroethane	25.1	1.0	ug/l	25.0		100	70-130			
Chloroform	27.3	0.50	ug/l	25 0		109	75-120			
Chloromethane	26.4	1.0	ug/l	25.0		106	60-140			
2-Chlorotoluene	26.9	0.50	ug/l	25.0		108	80-120			
4-Chlorotoluene	27.7	0 50	ug/l	25.0		111	80-120			
Dibromochloromethane	27 4	0 50	ug/l	25.0		110	80-120			
1,2-Dibromo-3-chloropropane	34.2	2 5	ug/l	25.0		137	50-150			
1,2-Dibromoethane (EDB)	27.4	0.50	ug/l	25 0		110	80-120			
Dibromomethane	28.5	0 50	ug/l	25.0		114	75-120			
1,2-Dichlorobenzene	27.3	0.50	ug/l	25 0		109	80-120			
1,3-Dichlorobenzene	27.2	0.50	ug/l	25 0		109	80-120			
1,4-Dichlorobenzene	26 0	0.50	ug/l	25.0		104	80-120			
Dichlorodifluoromethane	29.6	0 50	ug/l	25.0		118	60-150			
1,1-Dichloroethane	25.7	0.50	ug/l	25.0		103	70-125			
1,2-Dichloroethane	31.8	0.50	ug/l	25.0		127	75-130			
1,1-Dichloroethene	27.0	0.50	ug/l	25.0		108	75-125			
cis-1,2-Dichloroethene	26.4	0.50	ug/l	25.0		105	80-120			
trans-1,2-Dichloroethene	26.8	0.50	ug/l	25.0		107	80-120			
1,2-Dichloropropane	24 8	0.50	ug/l	25.0		99	80-120			
1,3-Dichloropropane	27.3	0 50	ug/l	25.0		109	80-120			
2,2-Dichloropropane	29.8	1.0	ug/l	25 0		119	75-130			

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
LCS Analyzed: 03/28/2012 (12C1231-BS1)										**N1**
,1-Dichloropropene	27.0	0.50	ug/l	25.0		108	75-120			
is-1,3-Dichloropropene	29.0	0.50	ug/l	25.0		116	80-120			
rans-1,3-Dichloropropene	25.9	0.50	ug/l	25 0		104	80-125			
thylbenzene	27.4	0.50	ug/l	25.0		110	80-120			
lexachlorobutadiene	27.0	1.0	ug/l	25.0		108	40-150			
-Hexanone	38.0	2.5	ug/l	25.0		152	20-150			*L3*
odomethane	30 6	2 5	ug/l	25.0		122	80-130			
sopropylbenzene	29.3	0 50	ug/l	25.0		117	80-130			
-Isopropyltoluene	25.3	0.50	ug/l	25.0		101	80-130			
Methylene Chloride	24.6	1.0	ug/l	25.0		98	70-120			
-Methyl-2-pentanone (MIBK)	28 4	2.5	ug/l	25.0		114	60-135			
Methyl-tert-butyl Ether (MTBE)	26.9	0.50	ug/l	25.0		108	70-130			
Naphthalene	27.8	2.5	ug/l	25 0		111	40-150			
-Propylbenzene	28.3	0.50	ug/l	25.0		113	75-130			
tyrene	28.4	0.50	ug/l	25.0		114	80-120			
,1,1,2-Tetrachloroethane	29.2	0.50	ug/l	25.0		117	75-125			
,1,2,2-Tetrachloroethane	27.5	0 50	ug/l	25.0		110	80-120			
etrachloroethene	26.3	0 50	ug/l	25.0		105	70-130			
oluene	26.6	0.50	ug/l	25.0		106	80-120			
,2,3-Trichlorobenzene	26.0	1.0	ug/l	25.0		104	55-150			
,2,4-Trichlorobenzene	26.9	1 0	ug/l	25 0		108	50-150			
,1,1-Trichloroethane	29.8	0.50	ug/l	25.0		119	75-125			
,1,2-Trichloroethane	26.6	0.50	ug/l	25.0		106	80-120			
richloroethene	26.6	0.50	ug/l	25.0		106	80-120			
richlorofluoromethane	33.7	0.50	ug/l	25.0		135	70-150			
,2,3-Trichloropropane	28.9	1.0	ug/l	25.0		116	70-130			
,2,4-Trimethylbenzene	27.7	0.50	ug/l	25.0		111	80-120			
,3,5-Trimethylbenzene	28.5	0.50	ug/l	25 0		114	80-130			
inyl Acetate	29.2	1.0	ug/l	25 0		117	40-150			
inyl chloride	29.0	0.50	ug/l	25.0		116	70-130			
ylenes, Total	54.4	1.0	ug/l	50.0		109	60-140			
reon 113	26 4	2.0	ug/l	25.0		105	60-140			
urrogate: Dibromofluoromethane	*26.9*		*ug/l*	*25.0*		*107*	*80-130*			
urrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
urrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-125*			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
LCS Dup Analyzed: 03/28/2012 (12C1231-BSD1)										**N1**
Acetone	41.9	10	ug/l	25.0		168	10-150	21	35	*V1, L3*
Benzene	26.2	0.50	ug/l	25 0		105	80-120	3	15	
Bromobenzene	28.2	0.50	ug/l	25 0		113	80-120	3	15	
Bromochloromethane	25.8	0.50	ug/l	25.0		103	80-125	7	15	
Bromodichloromethane	29.8	0.50	ug/l	25 0		119	80-120	0.1	15	
Bromoform	25.9	1.0	ug/l	25.0		104	75-130	6	20	
Bromomethane	26.3	1.0	ug/l	25.0		105	55-150	7	20	
2-Butanone (MEK)	30.6	2 5	ug/l	25.0		122	40-150	15	35	
n-Butylbenzene	28 4	0 50	ug/l	25.0		113	80-130	6	15	
sec-Butylbenzene	28.0	0.50	ug/l	25 0		112	80-125	5	15	
tert-Butylbenzene	29 0	0 50	ug/l	25 0		116	80-120	4	15	
Carbon disulfide	24 7	1 0	ug/l	25 0		99	70-140	4	15	
Carbon tetrachloride	32.7	0.50	ug/l	25 0		131	75-130	4	20	*L3*
Chlorobenzene	26.3	0 50	ug/l	25.0		105	80-120	1	15	
Chloroethane	23.6	1.0	ug/l	25.0		94	70-130	6	15	
Chloroform	26.0	0 50	ug/l	25.0		104	75-120	5	15	
Chloromethane	25.5	1 0	ug/l	25.0		102	60-140	4	20	
2-Chlorotoluene	27.4	0.50	ug/l	25.0		110	80-120	2	15	
4-Chlorotoluene	28 6	0.50	ug/l	25 0		115	80-120	3	15	
Dibromochloromethane	27.4	0.50	ug/l	25.0		109	80-120	0.3	15	
1,2-Dibromo-3-chloropropane	32.3	2.5	ug/l	25.0		129	50-150	6	35	
1,2-Dibromoethane (EDB)	28.3	0.50	ug/l	25 0		113	80-120	3	15	
Dibromomethane	28.4	0 50	ug/l	25.0		114	75-120	0.1	15	
1,2-Dichlorobenzene	27.9	0.50	ug/l	25.0		112	80-120	2	15	
1,3-Dichlorobenzene	27.4	0.50	ug/l	25.0		110	80-120	0.6	15	
1,4-Dichlorobenzene	26 3	0.50	ug/l	25.0		105	80-120	1	15	
Dichlorodifluoromethane	28.5	0.50	ug/l	25.0		114	60-150	4	30	
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-125	5	15	
1,2-Dichloroethane	30 1	0.50	ug/l	25.0		120	75-130	5	15	
1,1-Dichloroethene	25.2	0.50	ug/l	25.0		101	75-125	7	20	
cis-1,2-Dichloroethene	26.0	0 50	ug/l	25.0		104	80-120	1	15	
trans-1,2-Dichloroethene	26.2	0 50	ug/l	25.0		105	80-120	2	15	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0		99	80-120	0.4	15	
1,3-Dichloropropane	27.1	0.50	ug/l	25.0		108	80-120	0.8	15	
2,2-Dichloropropane	29.2	1.0	ug/l	25.0		117	75-130	2	15	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
LCS Dup Analyzed: 03/28/2012 (12C1231-BSD1)										N1
,1-Dichloropropene	27 6	0 50	ug/l	25.0		111	75-120	2	15	
is-1,3-Dichloropropene	28 9	0.50	ug/l	25.0		116	80-120	0.3	15	
ans-1,3-Dichloropropene	25 9	0.50	ug/l	25.0		104	80-125	0.2	15	
thylbenzene	28 7	0.50	ug/l	25.0		115	80-120	5	15	
lexachlorobutadiene	30.2	1.0	ug/l	25 0		121	40-150	11	35	
-Hexanone	34 0	2.5	ug/l	25 0		136	20-150	11	35	
odomethane	29.0	2.5	ug/l	25.0		116	80-130	5	10	
sopropylbenzene	30.8	0.50	ug/l	25.0		123	80-130	5	15	
-Isopropyltoluene	28.4	0.50	ug/l	25 0		113	80-130	11	15	
Methylene Chloride	23 0	1.0	ug/l	25.0		92	70-120	7	15	
-Methyl-2-pentanone (MIBK)	27.4	2.5	ug/l	25 0		109	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	25.1	0.50	ug/l	25.0		100	70-130	7	20	
laphthalene	30.2	2.5	ug/l	25.0		121	40-150	8	30	
-Propylbenzene	29.1	0.50	ug/l	25.0		116	75-130	3	15	
tyrene	28.4	0.50	ug/l	25.0		114	80-120	0	15	
,1,1,2-Tetrachloroethane	29.7	0.50	ug/l	25.0		119	75-125	2	15	
,1,2,2-Tetrachloroethane	28.4	0.50	ug/l	25.0		114	80-120	3	20	
etrachloroethene	27 2	0 50	ug/l	25.0		109	70-130	3	20	
oluene	26.5	0.50	ug/l	25.0		106	80-120	0 3	15	
,2,3-Trichlorobenzene	28.4	1 0	ug/l	25.0		113	55-150	9	35	
,2,4-Trichlorobenzene	29.5	1.0	ug/l	25 0		118	50-150	9	30	
,1,1-Trichloroethane	29.0	0.50	ug/l	25.0		116	75-125	3	15	
,1,2-Trichloroethane	26.2	0.50	ug/l	25.0		105	80-120	2	15	
richloroethene	27.6	0.50	ug/l	25 0		110	80-120	4	15	
richlorofluoromethane	33.8	0.50	ug/l	25.0		135	70-150	0.03	25	
,2,3-Trichloropropane	29.5	1.0	ug/l	25.0		118	70-130	2	20	
,2,4-Trimethylbenzene	28.8	0.50	ug/l	25.0		115	80-120	4	15	
,3,5-Trimethylbenzene	29.7	0.50	ug/l	25.0		119	80-130	4	15	
inyl Acetate	28.2	1 0	ug/l	25.0		113	40-150	4	25	
inyl chloride	27.8	0.50	ug/l	25.0		111	70-130	4	20	
ylenes, Total	55 0	1.0	ug/l	50.0		110	60-140	1	15	
reon 113	26.1	2 0	ug/l	25.0		104	60-140	1	15	
urrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*101*	*80-130*			
urrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
urrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			

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Cylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Matrix Spike Analyzed: 03/28/2012 (12C1231-MS1)					**Source: PVC1520-03**					**N1**
Acetone	19.6	10	ug/l	25.0	ND	78	10-150			*VI*
Benzene	26.5	0.50	ug/l	25 0	ND	106	70-125			
Bromobenzene	27.8	0.50	ug/l	25.0	ND	111	75-120			
Bromochloromethane	27.4	0.50	ug/l	25.0	ND	110	75-130			
Bromodichloromethane	31.0	0 50	ug/l	25 0	ND	124	75-125			
Bromoform	22.5	1 0	ug/l	25.0	ND	90	65-125			
Bromomethane	27.6	1.0	ug/l	25.0	ND	111	45-150			
2-Butanone (MEK)	21 4	2.5	ug/l	25.0	ND	85	15-150			
n-Butylbenzene	28.2	0.50	ug/l	25.0	ND	113	70-130			
sec-Butylbenzene	27.3	0.50	ug/l	25.0	ND	109	70-125			
tert-Butylbenzene	28.8	0.50	ug/l	25 0	ND	115	70-125			
Carbon disulfide	27.2	1.0	ug/l	25 0	ND	109	65-145			
Carbon tetrachloride	33 5	0.50	ug/l	25.0	ND	134	65-135			
Chlorobenzene	25.7	0 50	ug/l	25.0	ND	103	75-120			
Chloroethane	24.9	1.0	ug/l	25 0	ND	99	65-140			
Chloroform	31.2	0.50	ug/l	25.0	3.16	112	70-130			
Chloromethane	24.2	1.0	ug/l	25.0	ND	97	55-145			
2-Chlorotoluene	27.3	0 50	ug/l	25 0	ND	109	70-125			
4-Chlorotoluene	28.2	0.50	ug/l	25.0	ND	113	70-125			
Dibromochloromethane	27.3	0.50	ug/l	25 0	ND	109	70-130			
1,2-Dibromo-3-chloropropane	28 8	2 5	ug/l	25.0	ND	115	50-150			
1,2-Dibromoethane (EDB)	25 4	0.50	ug/l	25.0	ND	101	70-125			
Dibromomethane	26.7	0.50	ug/l	25.0	ND	107	70-120			
1,2-Dichlorobenzene	26 9	0 50	ug/l	25.0	ND	108	75-120			
1,3-Dichlorobenzene	27.4	0 50	ug/l	25.0	ND	110	75-120			
1,4-Dichlorobenzene	26.1	0.50	ug/l	25.0	ND	104	70-125			
Dichlorodifluoromethane	30.0	0 50	ug/l	25.0	ND	120	60-150			
1,1-Dichloroethane	28 6	0.50	ug/l	25.0	1.85	107	70-130			
1,2-Dichloroethane	31.7	0 50	ug/l	25.0	ND	127	65-140			
1,1-Dichloroethene	28.8	0.50	ug/l	25.0	2.10	107	70-130			
cis-1,2-Dichloroethene	28.8	0.50	ug/l	25.0	1.86	108	70-125			
trans-1,2-Dichloroethene	27.9	0.50	ug/l	25.0	ND	112	75-125			
1,2-Dichloropropane	25.0	0 50	ug/l	25.0	ND	100	75-125			
1,3-Dichloropropane	25.2	0.50	ug/l	25.0	ND	101	70-120			
2,2-Dichloropropane	30.4	1.0	ug/l	25.0	ND	122	65-140			

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Matrix Spike Analyzed: 03/28/2012 (12C1231-MS1)					**Source: PVC1520-03**					**N1**
,1-Dichloropropene	27.7	0 50	ug/l	25.0	ND	111	65-130			
is-1,3-Dichloropropene	27.5	0.50	ug/l	25.0	ND	110	75-130			
rans-1,3-Dichloropropene	25.1	0.50	ug/l	25.0	ND	100	70-130			
thylbenzene	28.4	0.50	ug/l	25 0	ND	113	70-125			
lexachlorobutadiene	28 8	1 0	ug/l	25.0	ND	115	40-150			
-Hexanone	19.2	2.5	ug/l	25 0	ND	77	20-150			
odomethane	31.3	2.5	ug/l	25.0	ND	125	60-150			
sopropylbenzene	30.6	0.50	ug/l	25 0	ND	122	75-130			
-Isopropyltoluene	27.6	0.50	ug/l	25.0	ND	110	70-130			
Methylene Chloride	24.1	1.0	ug/l	25 0	ND	96	65-130			
-Methyl-2-pentanone (MIBK)	21.5	2.5	ug/l	25.0	ND	86	55-135			
Methyl-tert-butyl Ether (MTBE)	25.0	0.50	ug/l	25 0	ND	100	65-140			
Naphthalene	25.2	2 5	ug/l	25.0	ND	101	40-150			
-Propylbenzene	28.4	0.50	ug/l	25.0	ND	114	70-130			
Styrene	27.8	0.50	ug/l	25.0	ND	111	55-135			
,1,1,2-Tetrachloroethane	29.1	0.50	ug/l	25.0	ND	117	70-125			
,1,2,2-Tetrachloroethane	24.3	0.50	ug/l	25.0	ND	97	70-125			
Tetrachloroethene	27.5	0.50	ug/l	25.0	0 750	107	65-130			
Toluene	27.6	0.50	ug/l	25.0	ND	110	70-125			
,2,3-Trichlorobenzene	26.3	1.0	ug/l	25 0	ND	105	50-150			
,2,4-Trichlorobenzene	28.0	1.0	ug/l	25.0	ND	112	50-150			
,1,1-Trichloroethane	31.8	0.50	ug/l	25.0	ND	127	70-130			
,1,2-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	75-125			
Trichloroethene	37.9	0.50	ug/l	25.0	9.76	113	70-125			
Trichlorofluoromethane	38.2	0.50	ug/l	25.0	0.600	150	65-150			
,2,3-Trichloropropane	25.5	1.0	ug/l	25.0	ND	102	70-130			
,2,4-Trimethylbenzene	27.7	0.50	ug/l	25.0	ND	111	70-125			
,3,5-Trimethylbenzene	28.8	0.50	ug/l	25.0	ND	115	75-130			
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	40-150			
Vinyl chloride	27.8	0.50	ug/l	25.0	ND	111	60-140			
Xylenes, Total	54.5	1.0	ug/l	50.0	ND	109	75-120			
Freon 113	28.6	2.0	ug/l	25.0	ND	114	65-140			
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*80-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*107*	*80-125*			

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Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Matrix Spike Dup Analyzed: 03/28/2012 (12C1231-MSD1)					**Source: PVC1520-03**					**N1**
Acetone	22.0	10	ug/l	25.0	ND	88	10-150	12	35	*V1*
Benzene	25.6	0.50	ug/l	25.0	ND	102	70-125	3	25	
Bromobenzene	27.8	0.50	ug/l	25.0	ND	111	75-120	0.2	20	
Bromochloromethane	26.4	0.50	ug/l	25.0	ND	105	75-130	4	20	
Bromodichloromethane	29.8	0.50	ug/l	25.0	ND	119	75-125	4	20	
Bromoform	23.9	1.0	ug/l	25.0	ND	96	65-125	6	25	
Bromomethane	28.4	1.0	ug/l	25.0	ND	114	45-150	3	35	
2-Butanone (MEK)	19.8	2.5	ug/l	25.0	ND	79	15-150	8	30	
n-Butylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-130	0.7	30	
sec-Butylbenzene	27.2	0.50	ug/l	25.0	ND	109	70-125	0.3	30	
tert-Butylbenzene	29.2	0.50	ug/l	25.0	ND	117	70-125	1	25	
Carbon disulfide	25.9	1.0	ug/l	25.0	ND	103	65-145	5	25	
Carbon tetrachloride	31.6	0.50	ug/l	25.0	ND	127	65-135	6	25	
Chlorobenzene	26.6	0.50	ug/l	25.0	ND	107	75-120	4	20	
Chloroethane	25.0	1.0	ug/l	25.0	ND	100	65-140	0.7	25	
Chloroform	30.7	0.50	ug/l	25.0	3.16	110	70-130	2	20	
Chloromethane	25.8	1.0	ug/l	25.0	ND	103	55-145	7	35	
2-Chlorotoluene	27.5	0.50	ug/l	25.0	ND	110	70-125	0.6	25	
4-Chlorotoluene	28.1	0.50	ug/l	25.0	ND	112	70-125	0.3	25	
Dibromochloromethane	27.8	0.50	ug/l	25.0	ND	111	70-130	2	20	
1,2-Dibromo-3-chloropropane	28.5	2.5	ug/l	25.0	ND	114	50-150	1	30	
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0	ND	107	70-125	5	20	
Dibromomethane	27.3	0.50	ug/l	25.0	ND	109	70-120	2	20	
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0	ND	109	75-120	1	20	
1,3-Dichlorobenzene	27.4	0.50	ug/l	25.0	ND	110	75-120	0.1	25	
1,4-Dichlorobenzene	26.5	0.50	ug/l	25.0	ND	106	70-125	2	20	
Dichlorodifluoromethane	28.7	0.50	ug/l	25.0	ND	115	60-150	4	30	
1,1-Dichloroethane	27.7	0.50	ug/l	25.0	1.85	103	70-130	3	20	
1,2-Dichloroethane	30.9	0.50	ug/l	25.0	ND	124	65-140	3	20	
1,1-Dichloroethene	28.5	0.50	ug/l	25.0	2.10	105	70-130	1	25	
cis-1,2-Dichloroethene	28.2	0.50	ug/l	25.0	1.86	105	70-125	2	20	
trans-1,2-Dichloroethene	27.1	0.50	ug/l	25.0	ND	108	75-125	3	25	
1,2-Dichloropropane	23.8	0.50	ug/l	25.0	ND	95	75-125	5	20	
1,3-Dichloropropane	26.7	0.50	ug/l	25.0	ND	107	70-120	6	20	
2,2-Dichloropropane	28.4	1.0	ug/l	25.0	ND	114	65-140	7	25	

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1231 Extracted: 03/28/12										
Matrix Spike Dup Analyzed: 03/28/2012 (12C1231-MSD1)					**Source: PVC1520-03**					N1
,1-Dichloropropene	26.1	0.50	ug/l	25.0	ND	104	65-130	6	25	
is-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	75-130	2	20	
ans-1,3-Dichloropropene	24.3	0.50	ug/l	25.0	ND	97	70-130	3	20	
thylbenzene	29.5	0.50	ug/l	25.0	ND	118	70-125	4	25	
lexachlorobutadiene	27.2	1.0	ug/l	25 0	ND	109	40-150	6	30	
-Hexanone	21.6	2.5	ug/l	25.0	ND	86	20-150	12	30	
odomethane	30.4	2.5	ug/l	25.0	ND	122	60-150	3	30	
sopropylbenzene	31.8	0.50	ug/l	25.0	ND	127	75-130	4	25	
-Isopropyltoluene	27.8	0.50	ug/l	25.0	ND	111	70-130	1	30	
Methylene Chloride	23.8	1.0	ug/l	25.0	ND	95	65-130	0 9	20	
-Methyl-2-pentanone (MIBK)	22.2	2.5	ug/l	25.0	ND	89	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	24.6	0.50	ug/l	25.0	ND	99	65-140	1	25	
Naphthalene	25.9	2.5	ug/l	25.0	ND	103	40-150	3	30	
-Propylbenzene	29.8	0.50	ug/l	25.0	ND	119	70-130	5	30	
Styrene	29.5	0.50	ug/l	25.0	ND	118	55-135	6	35	
,1,1,2-Tetrachloroethane	30.5	0.50	ug/l	25 0	ND	122	70-125	4	20	
,1,2,2-Tetrachloroethane	25.2	0.50	ug/l	25.0	ND	101	70-125	3	25	
Tetrachloroethene	28.1	0.50	ug/l	25.0	0.750	109	65-130	2	25	
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125	5	20	
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	50-150	2	35	
1,2,4-Trichlorobenzene	26 5	1.0	ug/l	25.0	ND	106	50-150	5	25	
1,1,1-Trichloroethane	30.4	0.50	ug/l	25.0	ND	122	70-130	4	25	
1,1,2-Trichloroethane	23 5	0.50	ug/l	25.0	ND	94	75-125	5	20	
Trichloroethene	36.2	0.50	ug/l	25.0	9.76	106	70-125	5	25	
Trichlorofluoromethane	35.4	0.50	ug/l	25.0	0.600	139	65-150	8	25	
1,2,3-Trichloropropane	26.9	1.0	ug/l	25.0	ND	108	70-130	5	25	
1,2,4-Trimethylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-125	2	30	
1,3,5-Trimethylbenzene	28.6	0.50	ug/l	25.0	ND	115	75-130	0.4	25	
Vinyl Acetate	25.4	1.0	ug/l	25.0	ND	101	40-150	5	30	
Vinyl chloride	27.7	0.50	ug/l	25.0	ND	111	60-140	0.3	25	
Xylenes, Total	56.2	1.0	ug/l	50.0	ND	112	75-120	3	15	
Freon 113	26.6	2.0	ug/l	25.0	ND	107	65-140	7	20	
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.7*		*ug/l*	*25.0*		*111*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C0956 Extracted: 03/21/12										
Blank Analyzed: 03/27/2012 (12C0956-BLK1)										N1
1,4-Dioxane	ND	1 0	ug/l							
Surrogate: 1,4-Dioxane-d8	*9.72*		*ug/l*	*20 0*		*49*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*13 9*		*ug/l*	*20 0*		*69*	*59.9-120*			
LCS Analyzed: 03/27/2012 (12C0956-BS1)										Q8, N1
1,4-Dioxane	19.4	1.0	ug/l	20 0		97	80-120			
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*20.6*		*ug/l*	*20.0*		*103*	*38-125*			
LCS Dup Analyzed: 03/27/2012 (12C0956-BSD1)										Q8, N1
1,4-Dioxane	20.0	1.0	ug/l	20.0		100	80-120	3	25	
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.3*		*ug/l*	*20.0*		*106*	*38-125*			
Batch: 12C1007 Extracted: 03/22/12										
Blank Analyzed: 03/28/2012 (12C1007-BLK1)										N1
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*22.4*		*ug/l*	*20.0*		*112*	*59.9-120*			
LCS Analyzed: 03/28/2012 (12C1007-BS1)										Q8, N1
1,4-Dioxane	19.5	1 0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20 0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*22.6*		*ug/l*	*20.0*		*113*	*38-125*			
LCS Dup Analyzed: 03/28/2012 (12C1007-BSD1)										Q8, N1
1,4-Dioxane	19 1	1 0	ug/l	20 0		96	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*16.4*		*ug/l*	*20.0*		*82*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*23.1*		*ug/l*	*20.0*		*116*	*38-125*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1520

Sampled: 03/20/12
Received: 03/20/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM 7272 E Indian School Rd #100 Scottsdale, AZ 85251	Project/PO Number: 003 0096498.032
Project Manager: jason.hilker@erm.com	Phone Number: 480-998-2401
Sampler: Adam Angle	Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: SVOC 1,4 Dioxane 8270								Special Instructions
003-10M2-M-032012	W	3x40mL 2x1L	5	3/20/12	0927	HCl/-	X	X			PVC1520		-01			
003-10M2-M-032012-Q1	W	3x40mL 2x1L	5	3/20/12	0927	HCl/-	X	X					-02			
003-10M-M-032012	W	3x40mL 2x1L	5	3/20/12	1035	HCl/-	X	X					-03			
EW003-10S-R-S-032012	W	3x40mL 2x1L	5	3/20/12	1055	HCl/-	X	X					-04			
003-10S-S-032012	W	3x40mL 2x1L	5	3/20/12	1119	HCl/-	X	X					-05			
003-16M-M-032012	W	3x40mL 2x1L	5	3/20/12	1348	HCl/-	X	X					-06			
003-16M-M-032012-Q1	W	3x40mL 2x1L	5	3/20/12	1348	HCl/-	X	X					-07			
003-16S-S-032012	W	3x40mL 2x1L	5	3/20/12	1421	HCl/-	X	X					-08			
GW-EB05-032012	W	3x40mL	3	3/20/12	1422	HCl	X						-09			
GW-LI-1-032012	W	1x40mL	1	3/20/12	—	HCl	X						-10			Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/20 1615			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time: 3/20/12 1615	Sample Integrity: (Check)	
				Intact Y	on Ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

0.7°C 1 Cu

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/21/12
Received: 03/21/12
Revised: 04/04/12 10:37

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1604-01	OU3-5DR-D-032112	Water
PVC1604-02	OU3-5MR-M-032112	Water
PVC1604-03	OU3-5SR-S-032112	Water
PVC1604-04	OU3-5M2-M-032112	Water
PVC1604-05	EW-20-S-032112	Water
PVC1604-06	GW-EB6-032112	Water
PVC1604-07	GW-L1-1-032112	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice 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 QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Revised report on 040412 to change narrative.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-01 (OU3-5DR-D-032112 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1604-01 (OU3-5DR-D-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Aethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Iaphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
richloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Kylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
urrogate: Dibromofluoromethane (80-130%)				*112 %*				
urrogate: Toluene-d8 (80-120%)				*93 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-02 (OU3-5MR-M-032112 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	**1.3**	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**4.7**	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**6.2**	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**8.2**	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-02 (OU3-5MR-M-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Iodomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
p-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	**1.9**	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	**42**	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*95 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-03 (OU3-5SR-S-032112 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	**4.3**	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**3.3**	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**3.8**	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**4.9**	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-03 (OU3-SSR-S-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	**1.2**	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	**23**	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*88 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-04 (OU3-SM2-M-032112 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	**1.0**	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**5.9**	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**8.5**	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**13**	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1604-04 (OU3-5M2-M-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
opropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
lethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
lethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
laphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	**2.8**	1	3/29/2012	3/30/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
richloroethene	EPA 8260B	12C1355	0.50	74	1	3/29/2012	3/30/2012	
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
urrogate: Dibromofluoromethane (80-130%)				*114 %*				
urrogate: Toluene-d8 (80-120%)				*93 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-04RE1 (OU3-5M2-M-032112 - Water) - cont.								**N1**
Reporting Units: ng/l								
Trichlorofluoromethane	EPA 8260B	12C1368	0.50	0.56	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*90 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1604-05 (EW-20-S-032112 - Water)								N1
Reporting Units: ug/l								
.cetone	EPA 8260B	12C1368	10	ND	1	3/29/2012	3/30/2012	V1, L3
lenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
-Butanone (MEK)	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
ec-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
ert-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	L3
Chlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1368	0.50	**1.5**	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1368	0.50	**2.9**	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1368	0.50	**3.4**	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1368	0.50	**4.3**	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-05 (EW-20-S-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
Iodomethane	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
p-Isopropyltoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1368	0.50	**1.0**	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1368	0.50	**24**	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichloropropane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1368	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*95 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-06 (GW-EB6-032112 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	**2.4**	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	**4.2**	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	**1.3**	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-06 (GW-EB6-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Iodomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
p-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*93 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1604-07 (GW-L1-1-032112 - Water)								N1
Reporting Units: ug/l								
cetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
enzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
romobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
romochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
romodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
romoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
romomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
ec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
ert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
arbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
arbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
hlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
hloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
hloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
hloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
ibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-07 (GW-L1-1-032112 - Water) - cont.								**N1**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Iodomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
p-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*95 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1604-01 (OU3-5DR-D-032112 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1007	1.0	ND	1	3/22/2012	3/29/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*70 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*109 %*				
Sample ID: PVC1604-02 (OU3-5MR-M-032112 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1007	1.0	2.0	1	3/22/2012	3/29/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*76 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*115 %*				
Sample ID: PVC1604-03 (OU3-5SR-S-032112 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1007	1.0	1.4	1	3/22/2012	3/29/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*75 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*116 %*				
Sample ID: PVC1604-04 (OU3-5M2-M-032112 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1007	1.0	2.5	1	3/22/2012	3/29/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*66 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*100 %*				
Sample ID: PVC1604-05 (EW-20-S-032112 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1007	1.0	1.2	1	3/22/2012	3/29/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*72 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*112 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Blank Analyzed: 03/29/2012 (12C1355-BLK1)										**N1**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Blank Analyzed: 03/29/2012 (12C1355-BLK1)										N1
,1-Dichloropropene	ND	0.50	ug/l							
is-1,3-Dichloropropene	ND	0.50	ug/l							
ans-1,3-Dichloropropene	ND	0.50	ug/l							
thylbenzene	ND	0.50	ug/l							
lexachlorobutadiene	ND	1.0	ug/l							
-Hexanone	ND	2.5	ug/l							
odomethane	ND	2.5	ug/l							
sopropylbenzene	ND	0.50	ug/l							
-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
,2,3-Trichlorobenzene	ND	1.0	ug/l							
,2,4-Trichlorobenzene	ND	1.0	ug/l							
,1,1-Trichloroethane	ND	0.50	ug/l							
,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							*V1*
,2,3-Trichloropropane	ND	1.0	ug/l							
,2,4-Trimethylbenzene	ND	0.50	ug/l							
,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-130*			
Surrogate: Toluene-d8	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Analyzed: 03/29/2012 (12C1355-BS1)										**N1**
Acetone	38.1	10	ug/l	25.0		152	10-150			*L3*
Benzene	22.9	0.50	ug/l	25.0		92	80-120			
Bromobenzene	24.5	0.50	ug/l	25.0		98	80-120			
Bromochloromethane	23.8	0.50	ug/l	25.0		95	80-125			
Bromodichloromethane	26.9	0.50	ug/l	25.0		108	80-120			
Bromoform	22.3	1.0	ug/l	25.0		89	75-130			
Bromomethane	24.3	1.0	ug/l	25.0		97	55-150			
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	40-150			
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	80-130			
sec-Butylbenzene	24.7	0.50	ug/l	25.0		99	80-125			
tert-Butylbenzene	26.0	0.50	ug/l	25.0		104	80-120			
Carbon disulfide	23.1	1.0	ug/l	25.0		93	70-140			
Carbon tetrachloride	30.2	0.50	ug/l	25.0		121	75-130			
Chlorobenzene	22.6	0.50	ug/l	25.0		90	80-120			
Chloroethane	21.3	1.0	ug/l	25.0		85	70-130			
Chloroform	23.9	0.50	ug/l	25.0		96	75-120			
Chloromethane	21.1	1.0	ug/l	25.0		85	60-140			
2-Chlorotoluene	24.8	0.50	ug/l	25.0		99	80-120			
4-Chlorotoluene	25.5	0.50	ug/l	25.0		102	80-120			
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	80-120			
1,2-Dibromo-3-chloropropane	26.4	2.5	ug/l	25.0		106	50-150			*V1*
1,2-Dibromoethane (EDB)	24.9	0.50	ug/l	25.0		100	80-120			
Dibromomethane	25.5	0.50	ug/l	25.0		102	75-120			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	80-120			
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	80-120			
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		94	80-120			
Dichlorodifluoromethane	25.2	0.50	ug/l	25.0		101	60-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0		89	70-125			
1,2-Dichloroethane	27.9	0.50	ug/l	25.0		111	75-130			
1,1-Dichloroethene	24.4	0.50	ug/l	25.0		98	75-125			
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	80-120			
trans-1,2-Dichloroethene	23.5	0.50	ug/l	25.0		94	80-120			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	80-120			
1,3-Dichloropropane	24.7	0.50	ug/l	25.0		99	80-120			
2,2-Dichloropropane	26.9	1.0	ug/l	25.0		108	75-130			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Analyzed: 03/29/2012 (12C1355-BS1)										N1
,1-Dichloropropene	24.3	0.50	ug/l	25.0		97	75-120			
is-1,3-Dichloropropene	25.4	0.50	ug/l	25.0		102	80-120			
ans-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	80-125			
thylbenzene	25.2	0.50	ug/l	25.0		101	80-120			
lexachlorobutadiene	27.0	1.0	ug/l	25.0		108	40-150			
-Hexanone	30.4	2.5	ug/l	25 0		122	20-150			
odomethane	27.6	2.5	ug/l	25.0		110	80-130			
sopropylbenzene	27.7	0.50	ug/l	25.0		111	80-130			
-Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130			
Aethylene Chloride	21.2	1.0	ug/l	25.0		85	70-120			
-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	60-135			
Aethyl-tert-butyl Ether (MTBE)	22.7	0.50	ug/l	25.0		91	70-130			
Japhthalene	24.9	2.5	ug/l	25.0		99	40-150			
-Propylbenzene	26 4	0.50	ug/l	25.0		105	75-130			
tyrene	24.6	0.50	ug/l	25.0		99	80-120			
,1,1,2-Tetrachloroethane	25.4	0.50	ug/l	25.0		101	75-125			
,1,2,2-Tetrachloroethane	24.1	0.50	ug/l	25.0		96	80-120			
Tetrachloroethene	24.2	0.50	ug/l	25.0		97	70-130			
Toluene	23.1	0.50	ug/l	25.0		93	80-120			
,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0		96	55-150			
,2,4-Trichlorobenzene	25.5	1.0	ug/l	25.0		102	50-150			
,1,1-Trichloroethane	27.4	0.50	ug/l	25.0		109	75-125			
,1,2-Trichloroethane	22.4	0.50	ug/l	25.0		90	80-120			
Trichloroethene	23.8	0.50	ug/l	25.0		95	80-120			
Trichlorofluoromethane	32.1	0.50	ug/l	25.0		129	70-150			*V1*
,2,3-Trichloropropane	24.9	1.0	ug/l	25.0		100	70-130			
,2,4-Trimethylbenzene	25.5	0.50	ug/l	25.0		102	80-120			
,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	80-130			
Vinyl Acetate	24.2	1.0	ug/l	25.0		97	40-150			
Vinyl chloride	24.9	0.50	ug/l	25.0		100	70-130			
Xylenes, Total	49.0	1.0	ug/l	50.0		98	60-140			
Freon 113	24.3	2.0	ug/l	25.0		97	60-140			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-125*			

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Dup Analyzed: 03/29/2012 (12C1355-BSD1)										**N1**
Acetone	38.7	10	ug/l	25.0		155	10-150	2	35	*L3*
Benzene	23.1	0.50	ug/l	25.0		92	80-120	0.9	15	
Bromobenzene	25.7	0.50	ug/l	25.0		103	80-120	5	15	
Bromochloromethane	24.9	0.50	ug/l	25.0		100	80-125	5	15	
Bromodichloromethane	28.1	0.50	ug/l	25.0		112	80-120	4	15	
Bromoform	24.8	1.0	ug/l	25.0		99	75-130	11	20	
Bromomethane	26.1	1.0	ug/l	25.0		104	55-150	7	20	
2-Butanone (MEK)	29.4	2.5	ug/l	25.0		117	40-150	17	35	
n-Butylbenzene	25.6	0.50	ug/l	25.0		102	80-130	2	15	
sec-Butylbenzene	25.8	0.50	ug/l	25.0		103	80-125	5	15	
tert-Butylbenzene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
Carbon disulfide	23.8	1.0	ug/l	25.0		95	70-140	3	15	
Carbon tetrachloride	30.1	0.50	ug/l	25.0		120	75-130	0.4	20	
Chlorobenzene	23.2	0.50	ug/l	25.0		93	80-120	3	15	
Chloroethane	22.4	1.0	ug/l	25.0		90	70-130	5	15	
Chloroform	25.5	0.50	ug/l	25.0		102	75-120	6	15	
Chloromethane	24.0	1.0	ug/l	25.0		96	60-140	13	20	
2-Chlorotoluene	25.4	0.50	ug/l	25.0		102	80-120	2	15	
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	80-120	3	15	
Dibromochloromethane	26.7	0.50	ug/l	25.0		107	80-120	10	15	
1,2-Dibromo-3-chloropropane	35.2	2.5	ug/l	25.0		141	50-150	29	35	*V1*
1,2-Dibromoethane (EDB)	26.3	0.50	ug/l	25 0		105	80-120	5	15	
Dibromomethane	27.7	0.50	ug/l	25.0		111	75-120	8	15	
1,2-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	8	15	
1,3-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	4	15	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	80-120	4	15	
Dichlorodifluoromethane	26.6	0.50	ug/l	25.0		106	60-150	5	30	
1,1-Dichloroethane	23.8	0.50	ug/l	25.0		95	70-125	6	15	
1,2-Dichloroethane	30.2	0.50	ug/l	25.0		121	75-130	8	15	
1,1-Dichloroethene	25.0	0.50	ug/l	25.0		100	75-125	2	20	
cis-1,2-Dichloroethene	23.3	0.50	ug/l	25.0		93	80-120	1	15	
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0		96	80-120	2	15	
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		89	80-120	8	15	
1,3-Dichloropropane	25.2	0.50	ug/l	25.0		101	80-120	2	15	
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	75-130	0.3	15	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Dup Analyzed: 03/29/2012 (12C1355-BSD1)										N1
,1-Dichloropropene	24.8	0.50	ug/l	25.0		99	75-120	2	15	
is-1,3-Dichloropropene	25.2	0.50	ug/l	25.0		101	80-120	0.9	15	
rans-1,3-Dichloropropene	24.2	0.50	ug/l	25.0		97	80-125	2	15	
thylbenzene	26.0	0.50	ug/l	25.0		104	80-120	3	15	
lexachlorobutadiene	27.4	1.0	ug/l	25.0		110	40-150	1	35	
-Hexanone	29.6	2.5	ug/l	25.0		119	20-150	2	35	
odomethane	28.3	2.5	ug/l	25.0		113	80-130	3	10	
sopropylbenzene	28.4	0.50	ug/l	25.0		113	80-130	2	15	
-Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130	0.2	15	
Aethylene Chloride	22.7	1.0	ug/l	25.0		91	70-120	7	15	
-Methyl-2-pentanone (MIBK)	27.4	2.5	ug/l	25.0		110	60-135	17	25	
Aethyl-tert-butyl Ether (MTBE)	26.1	0.50	ug/l	25.0		104	70-130	14	20	
Naphthalene	28.8	2.5	ug/l	25.0		115	40-150	15	30	
n-Propylbenzene	26.1	0.50	ug/l	25.0		105	75-130	0.9	15	
Styrene	25.5	0.50	ug/l	25.0		102	80-120	3	15	
,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	75-125	7	15	
,1,2,2-Tetrachloroethane	28.4	0.50	ug/l	25.0		113	80-120	16	20	
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130	2	20	
Toluene	22.8	0.50	ug/l	25.0		91	80-120	1	15	
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	55-150	7	35	
1,2,4-Trichlorobenzene	26.2	1.0	ug/l	25.0		105	50-150	3	30	
1,1,1-Trichloroethane	27.9	0.50	ug/l	25.0		112	75-125	2	15	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	80-120	7	15	
Trichloroethene	25.1	0.50	ug/l	25.0		101	80-120	6	15	
Trichlorofluoromethane	33.4	0.50	ug/l	25.0		134	70-150	4	25	*V1*
1,2,3-Trichloropropane	30.3	1.0	ug/l	25.0		121	70-130	20	20	
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	80-120	3	15	
1,3,5-Trimethylbenzene	25.7	0.50	ug/l	25.0		103	80-130	1	15	
Vinyl Acetate	27.4	1.0	ug/l	25.0		110	40-150	13	25	
Vinyl chloride	26.5	0.50	ug/l	25.0		106	70-130	6	20	
Xylenes, Total	48.3	1.0	ug/l	50.0		97	60-140	1	15	
Freon 113	25.7	2.0	ug/l	25.0		103	60-140	6	15	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Analyzed: 03/29/2012 (12C1355-MS1)					**Source: PVC1707-04**					**N1**
Acetone	24.8	10	ug/l	25.0	ND	99	10-150			
Benzene	23.0	0.50	ug/l	25.0	0.140	92	70-125			
Bromobenzene	23.4	0.50	ug/l	25.0	ND	93	75-120			
Bromochloromethane	26.7	0.50	ug/l	25.0	ND	107	75-130			
Bromodichloromethane	29.1	0.50	ug/l	25.0	ND	116	75-125			
Bromoform	23.0	1.0	ug/l	25.0	ND	92	65-125			
Bromomethane	24.4	1.0	ug/l	25.0	ND	98	45-150			
2-Butanone (MEK)	24.3	2.5	ug/l	25.0	ND	97	15-150			
n-Butylbenzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-125			
tert-Butylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-125			
Carbon disulfide	22.9	1.0	ug/l	25.0	ND	92	65-145			
Carbon tetrachloride	29.8	0.50	ug/l	25.0	ND	119	65-135			
Chlorobenzene	23.0	0.50	ug/l	25.0	ND	92	75-120			
Chloroethane	22.3	1.0	ug/l	25.0	ND	89	65-140			
Chloroform	27.2	0.50	ug/l	25.0	0.980	105	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	55-145			
2-Chlorotoluene	23.3	0.50	ug/l	25.0	ND	93	70-125			
4-Chlorotoluene	23.1	0.50	ug/l	25.0	ND	92	70-125			
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	29.7	2.5	ug/l	25.0	ND	119	50-150			*V1*
1,2-Dibromoethane (EDB)	25.8	0.50	ug/l	25 0	ND	103	70-125			
Dibromomethane	27.0	0.50	ug/l	25.0	ND	108	70-120			
1,2-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	75-120			
1,3-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	75-120			
1,4-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-125			
Dichlorodifluoromethane	24.3	0.50	ug/l	25.0	ND	97	60-150			
1,1-Dichloroethane	27.2	0.50	ug/l	25.0	3.18	96	70-130			
1,2-Dichloroethane	31.9	0.50	ug/l	25.0	ND	128	65-140			
1,1-Dichloroethene	29.1	0.50	ug/l	25.0	4.94	97	70-130			
cis-1,2-Dichloroethene	31.0	0.50	ug/l	25.0	4.84	105	70-125			
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0	ND	98	75-125			
1,2-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	75-125			
1,3-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-120			
2,2-Dichloropropane	27.0	1.0	ug/l	25.0	ND	108	65-140			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Analyzed: 03/29/2012 (12C1355-MS1)					**Source: PVC1707-04**					**N1**
,1-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	65-130			
is-1,3-Dichloropropene	24.7	0.50	ug/l	25.0	ND	99	75-130			
ans-1,3-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	70-130			
thylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-125			
lexachlorobutadiene	23.3	1.0	ug/l	25.0	ND	93	40-150			
-Hexanone	24.5	2.5	ug/l	25.0	ND	98	20-150			
odomethane	28.9	2.5	ug/l	25.0	ND	116	60-150			
sopropylbenzene	26.0	0.50	ug/l	25.0	ND	104	75-130			
-Isopropyltoluene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Methylene Chloride	23.1	1.0	ug/l	25.0	ND	92	65-130			
-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	55-135			
Methyl-tert-butyl Ether (MTBE)	26.3	0.50	ug/l	25.0	ND	105	65-140			
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	40-150			
-Propylbenzene	24.0	0.50	ug/l	25.0	ND	96	70-130			
Styrene	22.3	0.50	ug/l	25.0	ND	89	55-135			
,1,1,2-Tetrachloroethane	26.6	0.50	ug/l	25.0	ND	106	70-125			
,1,2,2-Tetrachloroethane	24.6	0.50	ug/l	25.0	ND	99	70-125			
Tetrachloroethene	24.0	0.50	ug/l	25.0	1.17	91	65-130			
Toluene	23.9	0.50	ug/l	25.0	ND	96	70-125			
1,2,3-Trichlorobenzene	22.5	1.0	ug/l	25.0	ND	90	50-150			
1,2,4-Trichlorobenzene	23.3	1.0	ug/l	25.0	ND	93	50-150			
1,1,1-Trichloroethane	29.0	0.50	ug/l	25.0	ND	116	70-130			
1,1,2-Trichloroethane	24.4	0.50	ug/l	25.0	ND	97	75-125			
Trichloroethene	51.3	0.50	ug/l	25.0	26.0	101	70-125			
Trichlorofluoromethane	32.8	0.50	ug/l	25.0	ND	131	65-150			*V1*
1,2,3-Trichloropropane	26.9	1.0	ug/l	25.0	ND	108	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-125			
1,3,5-Trimethylbenzene	23.9	0.50	ug/l	25.0	ND	95	75-130			
Vinyl Acetate	24.2	1.0	ug/l	25.0	ND	97	40-150			
Vinyl chloride	22.6	0.50	ug/l	25.0	ND	90	60-140			
Xylenes, Total	47.2	1.0	ug/l	50.0	ND	94	75-120			
Freon 113	24.9	2.0	ug/l	25.0	ND	99	65-140			
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*80-125*			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1355-MSD1)					**Source: PVC1707-04**					**N1**
Acetone	21.8	10	ug/l	25.0	ND	87	10-150	13	35	
Benzene	24.7	0.50	ug/l	25.0	0.140	98	70-125	7	25	
Bromobenzene	25.7	0.50	ug/l	25.0	ND	103	75-120	9	20	
Bromochloromethane	24.6	0.50	ug/l	25.0	ND	99	75-130	8	20	
Bromodichloromethane	29.6	0.50	ug/l	25.0	ND	119	75-125	2	20	
Bromoform	23.0	1.0	ug/l	25.0	ND	92	65-125	0.2	25	
Bromomethane	25.2	1.0	ug/l	25.0	ND	101	45-150	3	35	
2-Butanone (MEK)	19.7	2.5	ug/l	25.0	ND	79	15-150	21	30	
n-Butylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	30	
sec-Butylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-125	9	30	
tert-Butylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-125	9	25	
Carbon disulfide	23.1	1.0	ug/l	25.0	ND	92	65-145	0.7	25	
Carbon tetrachloride	31.8	0.50	ug/l	25.0	ND	127	65-135	6	25	
Chlorobenzene	23.6	0.50	ug/l	25.0	ND	94	75-120	3	20	
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	65-140	3	25	
Chloroform	26.6	0.50	ug/l	25.0	0.980	102	70-130	2	20	
Chloromethane	22.5	1.0	ug/l	25.0	ND	90	55-145	8	35	
2-Chlorotoluene	24.9	0.50	ug/l	25.0	ND	100	70-125	7	25	
4-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	101	70-125	9	25	
Dibromochloromethane	26.8	0.50	ug/l	25.0	ND	107	70-130	2	20	
1,2-Dibromo-3-chloropropane	29.8	2.5	ug/l	25.0	ND	119	50-150	0.5	30	*V1*
1,2-Dibromoethane (EDB)	25.4	0.50	ug/l	25.0	ND	102	70-125	2	20	
Dibromomethane	26.5	0.50	ug/l	25.0	ND	106	70-120	2	20	
1,2-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	75-120	7	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	6	25	
1,4-Dichlorobenzene	23.7	0.50	ug/l	25.0	ND	95	70-125	4	20	
Dichlorodifluoromethane	25.0	0.50	ug/l	25.0	ND	100	60-150	3	30	
1,1-Dichloroethane	26.1	0.50	ug/l	25.0	3.18	92	70-130	4	20	
1,2-Dichloroethane	30.2	0.50	ug/l	25.0	ND	121	65-140	6	20	
1,1-Dichloroethene	28.5	0.50	ug/l	25.0	4.94	94	70-130	2	25	
cis-1,2-Dichloroethene	29.8	0.50	ug/l	25.0	4.84	100	70-125	4	20	
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0	ND	98	75-125	0.2	25	
1,2-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	75-125	2	20	
1,3-Dichloropropane	25.2	0.50	ug/l	25.0	ND	101	70-120	1	20	
2,2-Dichloropropane	26.4	1.0	ug/l	25.0	ND	105	65-140	3	25	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1355-MSD1)					Source: PVC1707-04					N1
1,1-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	65-130	4	25	
cis-1,3-Dichloropropene	26.5	0.50	ug/l	25.0	ND	106	75-130	7	20	
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
Ethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-125	3	25	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	40-150	16	30	
2-Hexanone	22.4	2.5	ug/l	25.0	ND	90	20-150	9	30	
Iodomethane	27.6	2.5	ug/l	25.0	ND	111	60-150	4	30	
Isopropylbenzene	27.8	0.50	ug/l	25.0	ND	111	75-130	7	25	
p-Isopropyltoluene	25.5	0.50	ug/l	25.0	ND	102	70-130	12	30	
Methylene Chloride	22.2	1.0	ug/l	25.0	ND	89	65-130	4	20	
4-Methyl-2-pentanone (MIBK)	23.8	2.5	ug/l	25.0	ND	95	55-135	7	25	
Methyl-tert-butyl Ether (MTBE)	24.2	0.50	ug/l	25.0	ND	97	65-140	8	25	
Naphthalene	25.8	2.5	ug/l	25.0	ND	103	40-150	6	30	
n-Propylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-130	9	30	
Styrene	23.4	0.50	ug/l	25.0	ND	94	55-135	5	35	
1,1,1,2-Tetrachloroethane	27.8	0.50	ug/l	25.0	ND	111	70-125	5	20	
1,1,2,2-Tetrachloroethane	24.4	0.50	ug/l	25.0	ND	98	70-125	1	25	
Tetrachloroethene	25.6	0.50	ug/l	25.0	1.17	98	65-130	6	25	
Toluene	25.0	0.50	ug/l	25.0	ND	100	70-125	4	20	
1,2,3-Trichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	50-150	8	35	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	8	25	
1,1,1-Trichloroethane	28.2	0.50	ug/l	25.0	ND	113	70-130	3	25	
1,1,2-Trichloroethane	24.3	0.50	ug/l	25.0	ND	97	75-125	0.1	20	
Trichloroethene	52.8	0.50	ug/l	25.0	26.0	107	70-125	3	25	
Trichlorofluoromethane	33.3	0.50	ug/l	25.0	ND	133	65-150	1	25	*V1*
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	102	70-130	5	25	
1,2,4-Trimethylbenzene	25.7	0.50	ug/l	25.0	ND	103	70-125	10	30	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0	ND	101	75-130	6	25	
Vinyl Acetate	21.8	1.0	ug/l	25.0	ND	87	40-150	11	30	
Vinyl chloride	24.6	0.50	ug/l	25.0	ND	99	60-140	9	25	
Xylenes, Total	50.0	1.0	ug/l	50.0	ND	100	75-120	6	15	
Freon 113	24.3	2.0	ug/l	25.0	ND	97	65-140	2	20	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Blank Analyzed: 03/30/2012 (12C1368-BLK1)										N1
Acetone	ND	10	ug/l							*VI*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*VI*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Blank Analyzed: 03/30/2012 (12C1368-BLK1)										N1
,1-Dichloropropene	ND	0.50	ug/l							
is-1,3-Dichloropropene	ND	0.50	ug/l							
rans-1,3-Dichloropropene	ND	0.50	ug/l							
thylbenzene	ND	0.50	ug/l							
lexachlorobutadiene	ND	1.0	ug/l							
-Hexanone	ND	2.5	ug/l							
odomethane	ND	2.5	ug/l							
sopropylbenzene	ND	0.50	ug/l							
-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-125*			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Analyzed: 03/30/2012 (12C1368-BS1)										**N1**
Acetone	46.6	10	ug/l	25.0		186	10-150			*V1, L3*
Benzene	24.5	0.50	ug/l	25.0		98	80-120			
Bromobenzene	26.0	0.50	ug/l	25.0		104	80-120			
Bromochloromethane	24.6	0.50	ug/l	25.0		99	80-125			
Bromodichloromethane	28.8	0.50	ug/l	25.0		115	80-120			
Bromoform	25.0	1.0	ug/l	25.0		100	75-130			
Bromomethane	25.8	1.0	ug/l	25.0		103	55-150			
2-Butanone (MEK)	31.2	2.5	ug/l	25.0		125	40-150			
n-Butylbenzene	25.4	0.50	ug/l	25.0		102	80-130			
sec-Butylbenzene	24.9	0.50	ug/l	25.0		99	80-125			
tert-Butylbenzene	26.4	0.50	ug/l	25.0		105	80-120			
Carbon disulfide	24.1	1.0	ug/l	25.0		96	70-140			
Carbon tetrachloride	32.8	0.50	ug/l	25.0		131	75-130			*L3*
Chlorobenzene	24.0	0.50	ug/l	25.0		96	80-120			
Chloroethane	23.4	1.0	ug/l	25.0		94	70-130			
Chloroform	26.4	0.50	ug/l	25.0		106	75-120			
Chloromethane	23.9	1.0	ug/l	25.0		96	60-140			
2-Chlorotoluene	25.7	0.50	ug/l	25.0		103	80-120			
4-Chlorotoluene	26.1	0.50	ug/l	25.0		104	80-120			
Dibromochloromethane	26.6	0.50	ug/l	25.0		106	80-120			
1,2-Dibromo-3-chloropropane	35.2	2.5	ug/l	25.0		141	50-150			*V1*
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0		107	80-120			
Dibromomethane	28.8	0.50	ug/l	25.0		115	75-120			
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	80-120			
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	80-120			
1,4-Dichlorobenzene	23.7	0.50	ug/l	25.0		95	80-120			
Dichlorodifluoromethane	28.1	0.50	ug/l	25.0		112	60-150			
1,1-Dichloroethane	23.7	0.50	ug/l	25.0		95	70-125			
1,2-Dichloroethane	30.4	0.50	ug/l	25.0		122	75-130			
1,1-Dichloroethene	26.0	0.50	ug/l	25.0		104	75-125			
cis-1,2-Dichloroethene	23.7	0.50	ug/l	25.0		95	80-120			
trans-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	80-120			
1,2-Dichloropropane	22.3	0.50	ug/l	25.0		89	80-120			
1,3-Dichloropropane	26.6	0.50	ug/l	25.0		106	80-120			
2,2-Dichloropropane	28.6	1.0	ug/l	25.0		114	75-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Analyzed: 03/30/2012 (12C1368-BS1)										N1
,1-Dichloropropene	26.0	0.50	ug/l	25.0		104	75-120			
is-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	80-120			
rans-1,3-Dichloropropene	25.4	0.50	ug/l	25.0		101	80-125			
thylbenzene	27.0	0.50	ug/l	25.0		108	80-120			
lexachlorobutadiene	26.8	1.0	ug/l	25.0		107	40-150			
-Hexanone	37.5	2.5	ug/l	25.0		150	20-150			
odomethane	28.6	2.5	ug/l	25.0		114	80-130			
sopropylbenzene	28.4	0.50	ug/l	25.0		114	80-130			
-Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130			
Methylene Chloride	23.1	1.0	ug/l	25.0		92	70-120			
-Methyl-2-pentanone (MIBK)	27.3	2.5	ug/l	25.0		109	60-135			
Methyl-tert-butyl Ether (MTBE)	23.6	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.5	2.5	ug/l	25.0		110	40-150			
-Propylbenzene	26.9	0.50	ug/l	25.0		108	75-130			
Styrene	25.6	0.50	ug/l	25.0		102	80-120			
1,1,1,2-Tetrachloroethane	27.8	0.50	ug/l	25.0		111	75-125			
1,1,2,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	80-120			
Tetrachloroethene	25.7	0.50	ug/l	25.0		103	70-130			
Toluene	24.1	0.50	ug/l	25.0		97	80-120			
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	55-15(			
1,2,4-Trichlorobenzene	25.6	1.0	ug/l	25.0		102	50-150			
1,1,1-Trichloroethane	29.4	0.50	ug/l	25.0		118	75-125			
1,1,2-Trichloroethane	25.1	0.50	ug/l	25.0		100	80-120			
Trichloroethene	26.1	0.50	ug/l	25.0		104	80-120			
Trichlorofluoromethane	35.5	0.50	ug/l	25.0		142	70-150			
1,2,3-Trichloropropane	29.0	1.0	ug/l	25.0		116	70-130			
1,2,4-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	80-120			
1,3,5-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	80-130			
Vinyl Acetate	27.0	1.0	ug/l	25.0		108	40-150			
Vinyl chloride	27.7	0.50	ug/l	25.0		111	70-130			
Xylenes, Total	49.1	1.0	ug/l	50.0		98	60-140			
Freon 113	26.3	2.0	ug/l	25.0		105	60-140			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Dup Analyzed: 03/30/2012 (12C1368-BSD1)										**N1**
Acetone	44.4	10	ug/l	25.0		178	10-150	5	35	*V1, L3*
Benzene	23.5	0.50	ug/l	25.0		94	80-120	4	15	
Bromobenzene	25 7	0.50	ug/l	25.0		103	80-120	1	15	
Bromochloromethane	25.0	0.50	ug/l	25.0		100	80-125	1	15	
Bromodichloromethane	28.9	0.50	ug/l	25.0		116	80-120	0.3	15	
Bromoform	23.7	1.0	ug/l	25.0		95	75-130	5	20	
Bromomethane	27.0	1.0	ug/l	25.0		108	55-150	5	20	
2-Butanone (MEK)	30.0	2.5	ug/l	25.0		120	40-150	4	35	
n-Butylbenzene	25.1	0.50	ug/l	25.0		100	80-130	1	15	
sec-Butylbenzene	26.7	0.50	ug/l	25.0		107	80-125	7	15	
tert-Butylbenzene	27.4	0.50	ug/l	25.0		109	80-120	4	15	
Carbon disulfide	25.3	1.0	ug/l	25.0		101	70-140	5	15	
Carbon tetrachloride	32.4	0.50	ug/l	25.0		130	75-130	1	20	
Chlorobenzene	24.7	0.50	ug/l	25.0		99	80-120	3	15	
Chloroethane	24.6	1.0	ug/l	25.0		99	70-130	5	15	
Chloroform	26.5	0.50	ug/l	25.0		106	75-120	0.6	15	
Chloromethane	24.4	1.0	ug/l	25.0		98	60-140	2	20	
2-Chlorotoluene	26.4	0.50	ug/l	25.0		105	80-120	3	15	
4-Chlorotoluene	27.0	0.50	ug/l	25.0		108	80-120	3	15	
Dibromochloromethane	26.6	0.50	ug/l	25.0		107	80-12(	0.2	15	
1,2-Dibromo-3-chloropropane	33.0	2.5	ug/l	25.0		132	50-150	7	35	*V1*
1,2-Dibromoethane (EDB)	26.9	0.50	ug/l	25.0		108	80-120	0.3	15	
Dibromomethane	27.2	0.50	ug/l	25.0		109	75-120	6	15	
1,2-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	4	15	
1,3-Dichlorobenzene	25.6	0.50	ug/l	25.0		102	80-120	3	15	
1,4-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	80-120	5	15	
Dichlorodifluoromethane	28.0	0.50	ug/l	25.0		112	60-150	0.4	30	
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-125	3	15	
1,2-Dichloroethane	31.3	0.50	ug/l	25.0		125	75-130	3	15	
1,1-Dichloroethene	26.3	0.50	ug/l	25.0		105	75-125	1	20	
cis-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	80-120	4	15	
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0		102	80-120	3	15	
1,2-Dichloropropane	22.5	0.50	ug/l	25.0		90	80-120	0.9	15	
1,3-Dichloropropane	26.2	0.50	ug/l	25 0		105	80-120	1	15	
2,2-Dichloropropane	29.5	1.0	ug/l	25.0		118	75-130	3	15	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Dup Analyzed: 03/30/2012 (12C1368-BSD1)										N1
,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	75-120	0.8	15	
is-1,3-Dichloropropene	26 8	0.50	ug/l	25.0		107	80-120	2	15	
ans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0		98	80-125	3	15	
thylbenzene	28.2	0.50	ug/l	25.0		113	80-120	4	15	
lexachlorobutadiene	27.2	1.0	ug/l	25.0		109	40-150	1	35	
-Hexanone	34.6	2.5	ug/l	25.0		138	20-150	8	35	
odomethane	28.8	2.5	ug/l	25.0		115	80-130	0.6	10	
sopropylbenzene	29.2	0.50	ug/l	25.0		117	80-130	3	15	
-Isopropyltoluene	26.4	0.50	ug/l	25.0		105	80-130	5	15	
Methylene Chloride	23.4	1.0	ug/l	25.0		94	70-120	1	15	
-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	24.5	0.50	ug/l	25.0		98	70-130	3	20	
Naphthalene	27.7	2.5	ug/l	25.0		111	40-150	0.5	30	
-Propylbenzene	26.7	0.50	ug/l	25.0		107	75-130	0.8	15	
Styrene	27.8	0.50	ug/l	25.0		111	80-120	8	15	
,1,1,2-Tetrachloroethane	29.3	0.50	ug/l	25.0		117	75-125	5	15	
,1,2,2-Tetrachloroethane	25.9	0.50	ug/l	25.0		104	80-120	5	20	
Tetrachloroethene	26.9	0.50	ug/l	25.0		108	70-130	5	20	
Toluene	24.3	0.50	ug/l	25.0		97	80-120	0.5	15	
,2,3-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	55-15(	7	35	
,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	50-150	3	30	
,1,1-Trichloroethane	30.1	0.50	ug/l	25.0		121	75-125	2	15	
,1,2-Trichloroethane	24.3	0.50	ug/l	25.0		97	80-120	3	15	
Trichloroethene	26.1	0.50	ug/l	25.0		104	80-120	0.2	15	
Trichlorofluoromethane	36.5	0.50	ug/l	25.0		146	70-150	3	25	
,2,3-Trichloropropane	27.5	1.0	ug/l	25.0		110	70-130	5	20	
,2,4-Trimethylbenzene	27.2	0.50	ug/l	25.0		109	80-120	3	15	
,3,5-Trimethylbenzene	26.8	0.50	ug/l	25.0		107	80-130	1	15	
Vinyl Acetate	27.5	1.0	ug/l	25.0		110	40-150	2	25	
Vinyl chloride	28.0	0.50	ug/l	25.0		112	70-130	0.8	20	
Xylenes, Total	53.4	1.0	ug/l	50.0		107	60-140	8	15	
Freon 113	28.0	2.0	ug/l	25.0		112	60-140	6	15	
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Analyzed: 03/30/2012 (12C1368-MS1)					**Source: PVC1966-02**					N1
Acetone	20.3	10	ug/l	25.0	ND	81	10-150			*V1*
Benzene	24.2	0.50	ug/l	25.0	ND	97	70-125			
Bromobenzene	25.0	0.50	ug/l	25.0	ND	100	75-120			
Bromochloromethane	24.0	0.50	ug/l	25.0	ND	96	75-130			
Bromodichloromethane	29.0	0.50	ug/l	25.0	ND	116	75-125			
Bromoform	21.7	1.0	ug/l	25.0	ND	87	65-125			
Bromomethane	23.5	1.0	ug/l	25.0	ND	94	45-150			
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	78	15-150			
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130			
sec-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-125			
tert-Butylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-125			
Carbon disulfide	23.8	1.0	ug/l	25.0	ND	95	65-145			
Carbon tetrachloride	32.3	0.50	ug/l	25.0	ND	129	65-135			
Chlorobenzene	23.7	0.50	ug/l	25.0	ND	95	75-120			
Chloroethane	21.7	1.0	ug/l	25.0	ND	87	65-140			
Chloroform	26.2	0.50	ug/l	25.0	ND	105	70-130			
Chloromethane	20.3	1.0	ug/l	25.0	ND	81	55-145			
2-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	102	70-125			
4-Chlorotoluene	26.0	0.50	ug/l	25.0	ND	104	70-125			
Dibromochloromethane	24.9	0.50	ug/l	25.0	ND	99	70-13(			
1,2-Dibromo-3-chloropropane	27.6	2.5	ug/l	25.0	ND	110	50-150			*V1*
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0	ND	96	70-125			
Dibromomethane	25.6	0.50	ug/l	25.0	ND	102	70-120			
1,2-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	94	75-120			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	75-120			
1,4-Dichlorobenzene	23.9	0.50	ug/l	25.0	ND	95	70-125			
Dichlorodifluoromethane	23.3	0.50	ug/l	25.0	ND	93	60-150			
1,1-Dichloroethane	23.7	0.50	ug/l	25.0	ND	95	70-130			
1,2-Dichloroethane	30.2	0.50	ug/l	25.0	ND	121	65-140			
1,1-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	70-130			
cis-1,2-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-125			
trans-1,2-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	75-125			
1,2-Dichloropropane	22.5	0.50	ug/l	25.0	ND	90	75-125			
1,3-Dichloropropane	24.2	0.50	ug/l	25.0	0.900	93	70-120			
2,2-Dichloropropane	27.6	1.0	ug/l	25.0	ND	111	65-140			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Analyzed: 03/30/2012 (12C1368-MS1)					**Source: PVC1966-02**					**N1**
,1-Dichloropropene	25.3	0.50	ug/l	25.0	ND	101	65-130			
is-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
rans-1,3-Dichloropropene	23.1	0.50	ug/l	25.0	ND	92	70-130			
Ethylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-125			
Hexachlorobutadiene	24.9	1.0	ug/l	25.0	ND	100	40-150			
-Hexanone	18.8	2.5	ug/l	25.0	ND	75	20-150			
odomethane	27.4	2.5	ug/l	25.0	ND	110	60-150			
sopropylbenzene	28.2	0.50	ug/l	25.0	ND	113	75-130			
-Isopropyltoluene	25.3	0.50	ug/l	25.0	ND	101	70-130			
Methylene Chloride	22.6	1.0	ug/l	25.0	ND	91	65-130			
-Methyl-2-pentanone (MIBK)	21.1	2.5	ug/l	25.0	ND	84	55-135			
Methyl-tert-butyl Ether (MTBE)	22.0	0.50	ug/l	25.0	ND	88	65-140			
Naphthalene	22.0	2.5	ug/l	25.0	ND	88	40-150			
-Propylbenzene	26.6	0.50	ug/l	25.0	ND	107	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	55-135			
1,1,1,2-Tetrachloroethane	27.4	0.50	ug/l	25.0	ND	110	70-125			
1,1,2,2-Tetrachloroethane	22.9	0.50	ug/l	25.0	ND	92	70-125			
Tetrachloroethene	24.6	0.50	ug/l	25.0	ND	98	65-130			
Toluene	25.0	0.50	ug/l	25.0	ND	100	70-125			
1,2,3-Trichlorobenzene	22.5	1.0	ug/l	25.0	ND	90	50-150			
1,2,4-Trichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	50-150			
1,1,1-Trichloroethane	29.0	0.50	ug/l	25.0	ND	116	70-130			
1,1,2-Trichloroethane	23.1	0.50	ug/l	25.0	ND	92	75-125			
Trichloroethene	25.4	0.50	ug/l	25.0	ND	102	70-125			
Trichlorofluoromethane	34.5	0.50	ug/l	25.0	ND	138	65-150			
1,2,3-Trichloropropane	24.7	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-125			
1,3,5-Trimethylbenzene	26.3	0.50	ug/l	25.0	ND	105	75-130			
Vinyl Acetate	21.7	1.0	ug/l	25.0	ND	87	40-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	60-140			
Xylenes, Total	49.5	1.0	ug/l	50.0	ND	99	75-120			
Freon 113	26.1	2.0	ug/l	25.0	ND	104	65-140			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1368-MSD1)					**Source: PVC1966-02**					**N1**
Acetone	22.6	10	ug/l	25.0	ND	90	10-150	11	35	*VI*
Benzene	23.3	0.50	ug/l	25.0	ND	93	70-125	4	25	
Bromobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	1	20	
Bromochloromethane	23.8	0.50	ug/l	25.0	ND	95	75-130	1	20	
Bromodichloromethane	29.3	0.50	ug/l	25.0	ND	117	75-125	0.9	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	65-125	5	25	
Bromomethane	25.7	1.0	ug/l	25.0	ND	103	45-150	9	35	
2-Butanone (MEK)	19.5	2.5	ug/l	25.0	ND	78	15-150	0.5	30	
n-Butylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	2	30	
sec-Butylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-125	2	30	
tert-Butylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-125	0.2	25	
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	98	65-145	3	25	
Carbon tetrachloride	31.5	0.50	ug/l	25.0	ND	126	65-135	3	25	
Chlorobenzene	23.8	0.50	ug/l	25.0	ND	95	75-120	0.3	20	
Chloroethane	23.4	1.0	ug/l	25.0	ND	94	65-140	7	25	
Chloroform	26.3	0.50	ug/l	25.0	ND	105	70-130	0.3	20	
Chloromethane	21.9	1.0	ug/l	25.0	ND	88	55-145	8	35	
2-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-125	1	25	
4-Chlorotoluene	25.6	0.50	ug/l	25.0	ND	102	70-125	1	25	
Dibromochloromethane	26.0	0.50	ug/l	25.0	ND	104	70-130	4	20	
1,2-Dibromo-3-chloropropane	27.6	2.5	ug/l	25.0	ND	110	50-150	0	30	*VI*
1,2-Dibromoethane (EDB)	24.8	0.50	ug/l	25.0	ND	99	70-125	4	20	
Dibromomethane	26.7	0.50	ug/l	25.0	ND	107	70-120	4	20	
1,2-Dichlorobenzene	23.8	0.50	ug/l	25.0	ND	95	75-120	1	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	75-120	1	25	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-125	4	20	
Dichlorodifluoromethane	24.6	0.50	ug/l	25.0	ND	98	60-150	5	30	
1,1-Dichloroethane	23.5	0.50	ug/l	25.0	ND	94	70-130	0.9	20	
1,2-Dichloroethane	30.6	0.50	ug/l	25.0	ND	123	65-140	1	20	
1,1-Dichloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130	9	25	
cis-1,2-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-125	0.2	20	
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	75-125	2	25	
1,2-Dichloropropane	22.6	0.50	ug/l	25.0	ND	90	75-125	0.09	20	
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	0.900	90	70-120	3	20	
2,2-Dichloropropane	27.8	1.0	ug/l	25.0	ND	111	65-140	0.5	25	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1368-MSD1)					**Source: PVC1966-02**					**N1**
,1-Dichloropropene	25.0	0.50	ug/l	25.0	ND	100	65-130	1	25	
is-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	75-130	3	20	
rans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-130	2	20	
thylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-125	4	25	
lexachlorobutadiene	25.8	1.0	ug/l	25 0	ND	103	40-150	4	30	
-Hexanone	20.2	2.5	ug/l	25.0	ND	81	20-150	7	30	
odomethane	28.4	2.5	ug/l	25.0	ND	114	60-150	3	30	
sopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	75-130	2	25	
-Isopropyltoluene	24.3	0.50	ug/l	25.0	ND	97	70-130	4	30	
Methylene Chloride	23.2	1.0	ug/l	25.0	ND	93	65-130	3	20	
-Methyl-2-pentanone (MIBK)	21.6	2.5	ug/l	25.0	ND	87	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	23.3	0.50	ug/l	25.0	ND	93	65-140	6	25	
Naphthalene	22.6	2.5	ug/l	25.0	ND	90	40-150	3	30	
-Propylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130	1	30	
Styrene	23.5	0.50	ug/l	25.0	ND	94	55-135	3	35	
1,1,1,2-Tetrachloroethane	27.0	0.50	ug/l	25.0	ND	108	70-125	1	20	
1,1,2,2-Tetrachloroethane	23.5	0.50	ug/l	25.0	ND	94	70-125	2	25	
Tetrachloroethene	24.2	0.50	ug/l	25.0	ND	97	65-130	1	25	
Toluene	24.0	0.50	ug/l	25.0	ND	96	70-125	4	20	
1,2,3-Trichlorobenzene	22.7	1.0	ug/l	25.0	ND	91	50-150	1	35	
1,2,4-Trichlorobenzene	23.3	1.0	ug/l	25.0	ND	93	50-150	0.6	25	
1,1,1-Trichloroethane	28.9	0.50	ug/l	25.0	ND	116	70-130	0.1	25	
1,1,2-Trichloroethane	23.2	0.50	ug/l	25.0	ND	93	75-125	0.7	20	
Trichloroethene	25.6	0.50	ug/l	25.0	ND	102	70-125	0.7	25	
Trichlorofluoromethane	34.4	0.50	ug/l	25.0	ND	137	65-150	0.4	25	
1,2,3-Trichloropropane	25.0	1.0	ug/l	25.0	ND	100	70-130	1	25	
1,2,4-Trimethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-125	0.1	30	
1,3,5-Trimethylbenzene	26.2	0.50	ug/l	25.0	ND	105	75-130	0.4	25	
Vinyl Acetate	22.7	1.0	ug/l	25.0	ND	91	40-150	4	30	
Vinyl chloride	25.5	0.50	ug/l	25.0	ND	102	60-140	7	25	
Xylenes, Total	48.0	1.0	ug/l	50.0	ND	96	75-120	3	15	
Freon 113	25.2	2.0	ug/l	25.0	ND	101	65-140	3	20	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1007 Extracted: 03/22/12										
Blank Analyzed: 03/28/2012 (12C1007-BLK1)										**N1**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*22.4*		*ug/l*	*20.0*		*112*	*59.9-120*			
LCS Analyzed: 03/28/2012 (12C1007-BS1)										**Q8, N1**
1,4-Dioxane	19.5	1.0	ug/l	20.0		98	80-120			
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*22.6*		*ug/l*	*20.0*		*113*	*38-125*			
LCS Dup Analyzed: 03/28/2012 (12C1007-BSD1)										**Q8, N1**
1,4-Dioxane	19.1	1.0	ug/l	20.0		96	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*16.4*		*ug/l*	*20.0*		*82*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*23.1*		*ug/l*	*20.0*		*116*	*38-125*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1604

Sampled: 03/21/12
Received: 03/21/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[✓] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indianschool Rd #100
Scottsdale, AZ 85251

Project/PO Number:
OU3
0096498.032

Project Manager:
jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler:
adam nagle

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC 8260B	1,4 Dioxane 8270								Special Instructions
OU3-5DR-D-032112	W	3x40mL 2x1L	5	3/21/12	~~0851~~ 0851	HCl/-	X	X				PUC	1604	-01		
OU3-5MR-M-032112	W	3x40mL 2x1L	5	3/21/12	1018	HCl/-	X	X						02		
OU3-5SR-S-032112	W	3x40mL 2x1L	5	3/21/12	1048	HCl/-	X	X						03		
OU3-5M2-M-032112	W	3x40mL 2x1L	5	3/21/12	1308	HCl/-	X	X						04		
EW-20-5-032112	W	3x40mL 2x1L	5	3/21/12	1448	HCl/-	X	X						05		
GW-EB6-032112	W	3x40mL	3	3/21/12	1449	HCl	X							06		
GW-LI-1-032112	W	1x40mL	1	3/21/12	-	HCl	X							07		Trip Blank

Relinquished By: ERM	Date/Time: 3/21 1600	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time: 3/21/12 1600

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
Intact ____ on ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.8°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3/0096498.032

Sampled: 03/22/12
Received: 03/22/12
Revised: 04/04/12 09:48

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1707-01	EW-19D-D-032212	Water
PVC1707-02	EW-19S-S-032212	Water
PVC1707-03	OU3-2M-M-032212	Water
PVC1707-04	OU3-2M-M-032212-MS/MSD	Water
PVC1707-05	OU3-20S-S-032212	Water
PVC1707-06	OU3-20S-S-032212-MS/MSD	Water
PVC1707-07	OU3-20M-M-032212	Water
PVC1707-08	GW-EB7-032212	Water
PVC1707-09	GW-L1-1-032212	Water
PVC1707-10	GW-Z1-1-032212	Water

TestAmerica Phoenix

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

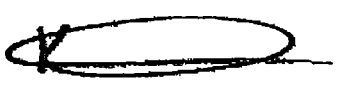
Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

SAMPLE RECEIPT:	Samples were received intact, at 1°C, on ice 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. S10-Surrogate recovery was above acceptance limits. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. N1-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12. N1a-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Revised report on 040412 to change N1 and N1a narrative.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-01 (EW-19D-D-032212 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-01 (EW-19D-D-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
›domethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
›opropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
fethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
fethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
aphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
urrogate: Dibromofluoromethane (80-130%)				*107 %*				
urrogate: Toluene-d8 (80-120%)				*92 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*97 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-02 (EW-19S-S-032212 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	**1.1**	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**1.6**	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**1.3**	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**1.8**	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-02 (EW-19S-S-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Aethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
laphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richloroethene	EPA 8260B	12C1355	0.50	7.1	1	3/29/2012	3/29/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
urrogate: Dibromofluoromethane (80-130%)				*107 %*				
urrogate: Toluene-d8 (80-120%)				*91 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*95 %*				

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ylie Emily
roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-03 (OU3-2M-M-032212 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	**1.0**	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**3.1**	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**4.6**	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**4.8**	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-03 (OU3-2M-M-032212 - Water) - cont.								N1
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
›domethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
›opropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ſethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
ſethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ſaphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
'etrachloroethene	EPA 8260B	12C1355	0.50	1.2	1	3/29/2012	3/29/2012	
'oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
'richloroethene	EPA 8260B	12C1355	0.50	25	1	3/29/2012	3/29/2012	
'richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
'inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
'inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
;ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
'reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
'urrogate: Dibromofluoromethane (80-130%)				*100 %*				
'urrogate: Toluene-d8 (80-120%)				*90 %*				
'urrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

'estAmerica Phoenix

;ylie Emily
'roject Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-04 (OU3-2M-M-032212-MS/MSD - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	**0.98**	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	**3.2**	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	**4.9**	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	**4.8**	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-04 (OU3-2M-M-032212-MS/MSD - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	**1.2**	1	3/29/2012	3/29/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	**26**	1	3/29/2012	3/29/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
Surrogate: Dibromofluoromethane (80-130%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*96 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-05 (OU3-20S-S-032212 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-05 (OU3-20S-S-032212 - Water) - cont.								N1
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Iodomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Isopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
p-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Styrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Tetrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Toluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Trichloroethene	EPA 8260B	12C1355	0.50	**0.77**	1	3/29/2012	3/30/2012	
Trichlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Vinyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Vinyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Xylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Freon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
Surrogate: Dibromofluoromethane (80-130%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-06 (OU3-20S-S-032212-MS/MSD - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-06 (OU3-20S-S-032212-MS/MSD - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Methylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
laphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
richloroethene	EPA 8260B	12C1355	0.50	**0.60**	1	3/29/2012	3/30/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
urrogate: Dibromofluoromethane (80-130%)				*104 %*				
urrogate: Toluene-d8 (80-120%)				*91 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-07 (OU3-20M-M-032212 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/30/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-07 (OU3-20M-M-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
Aethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
laphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/30/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'richloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	N1a
'inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/30/2012	
'ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/30/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/30/2012	
urrogate: Dibromofluoromethane (80-130%)				*108 %*				
urrogate: Toluene-d8 (80-120%)				*91 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*95 %*				

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'ylie Emily
roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-08 (GW-EB7-032212 - Water)								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	**2.6**	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	**4.5**	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	**1.5**	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-08 (GW-EB7-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
lethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
lethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
laphthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
urrogate: Dibromofluoromethane (80-130%)				*103 %*				
urrogate: Toluene-d8 (80-120%)				*95 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-09 (GW-L1-1-032212 - Water)								N1
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1355	10	ND	1	3/29/2012	3/29/2012	L3
Benzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromodichloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Bromoform	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Bromomethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Butanone (MEK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
n-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
sec-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tert-Butylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Carbon disulfide	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloroethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
Chloroform	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Chloromethane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
2-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
4-Chlorotoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromochloromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dibromomethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Dichlorodifluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,1-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,2-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
1,3-Dichloropropane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
2,2-Dichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
1,1-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Ethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Hexachlorobutadiene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-09 (GW-L1-1-032212 - Water) - cont.								N1
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
odomethane	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
sopropylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
-Isopropyltoluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Aethylene Chloride	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
Japhthalene	EPA 8260B	12C1355	2.5	ND	1	3/29/2012	3/29/2012	
-Propylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
tyrene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
etrachloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
oluene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,1,1-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,1,2-Trichloroethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richloroethene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
richlorofluoromethane	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	V1
,2,3-Trichloropropane	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
inyl Acetate	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	N1a
inyl chloride	EPA 8260B	12C1355	0.50	ND	1	3/29/2012	3/29/2012	
ylenes, Total	EPA 8260B	12C1355	1.0	ND	1	3/29/2012	3/29/2012	
reon 113	EPA 8260B	12C1355	2.0	ND	1	3/29/2012	3/29/2012	
urrogate: Dibromofluoromethane (80-130%)				*98 %*				
urrogate: Toluene-d8 (80-120%)				*95 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*97 %*				

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ylie Emily
roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-10 (GW-Z1-1-032212 - Water)								**N1**
Reporting Units: ug/l								
Benzene	EPA 8260B	12C1368	0.50	**4.2**	1	3/29/2012	3/30/2012	
Bromobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromochloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromodichloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Bromoform	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
Bromomethane	EPA 8260B	12C1368	1.0	**2.5**	1	3/29/2012	3/30/2012	
2-Butanone (MEK)	EPA 8260B	12C1368	2.5	**15**	1	3/29/2012	3/30/2012	
n-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
sec-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
tert-Butylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Carbon disulfide	EPA 8260B	12C1368	1.0	**10**	1	3/29/2012	3/30/2012	N1a
Carbon tetrachloride	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	L3
Chlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Chloroethane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
Chloroform	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Chloromethane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
2-Chlorotoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
4-Chlorotoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Dibromochloromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12C1368	0.50	**1.5**	1	3/29/2012	3/30/2012	
Dibromomethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichlorobenzene	EPA 8260B	12C1368	0.50	**4.7**	1	3/29/2012	3/30/2012	
1,4-Dichlorobenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Dichlorodifluoromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,1-Dichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloroethane	EPA 8260B	12C1368	0.50	**5.9**	1	3/29/2012	3/30/2012	
1,1-Dichloroethene	EPA 8260B	12C1368	0.50	**4.1**	1	3/29/2012	3/30/2012	
cis-1,2-Dichloroethene	EPA 8260B	12C1368	0.50	**5.0**	1	3/29/2012	3/30/2012	
trans-1,2-Dichloroethene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,2-Dichloropropane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
1,3-Dichloropropane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
2,2-Dichloropropane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
1,1-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
cis-1,3-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
trans-1,3-Dichloropropene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Ethylbenzene	EPA 8260B	12C1368	0.50	**8.4**	1	3/29/2012	3/30/2012	
Hexachlorobutadiene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
2-Hexanone	EPA 8260B	12C1368	2.5	**15**	1	3/29/2012	3/30/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1707-10 (GW-Z1-1-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
odomethane	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
sopropylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
-Isopropyltoluene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Aethylene Chloride	EPA 8260B	12C1368	1.0	4.2	1	3/29/2012	3/30/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12C1368	2.5	23	1	3/29/2012	3/30/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12C1368	0.50	9.0	1	3/29/2012	3/30/2012	
Naphthalene	EPA 8260B	12C1368	2.5	ND	1	3/29/2012	3/30/2012	
-Propylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
tyrene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
'etrachloroethene	EPA 8260B	12C1368	0.50	4.1	1	3/29/2012	3/30/2012	
'oluene	EPA 8260B	12C1368	0.50	14	1	3/29/2012	3/30/2012	
,2,3-Trichlorobenzene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trichlorobenzene	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
,1,1-Trichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
,1,2-Trichloroethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
'richloroethene	EPA 8260B	12C1368	0.50	3.5	1	3/29/2012	3/30/2012	
'richlorofluoromethane	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
,2,3-Trichloropropane	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	
,2,4-Trimethylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
,3,5-Trimethylbenzene	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
'inyl Acetate	EPA 8260B	12C1368	1.0	ND	1	3/29/2012	3/30/2012	N1a
'inyl chloride	EPA 8260B	12C1368	0.50	ND	1	3/29/2012	3/30/2012	
Cylenes, Total	EPA 8260B	12C1368	1.0	6.5	1	3/29/2012	3/30/2012	
'reon 113	EPA 8260B	12C1368	2.0	ND	1	3/29/2012	3/30/2012	
'urrogate: Dibromofluoromethane (80-130%)				*104 %*				
'urrogate: Toluene-d8 (80-120%)				*91 %*				
'urrogate: 4-Bromofluorobenzene (80-125%)				*96 %*				

TestAmerica Phoenix

Cylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-10RE1 (GW-Z1-1-032212 - Water) - cont.								**N1**
Reporting Units: ug/l								
Acetone	EPA 8260B	12C1436	10	17	1	3/31/2012	3/31/2012	
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*94 %*				

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Sampled: 03/22/12
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1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1707-01 (EW-19D-D-032212 - Water)								**N1**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*78 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*117 %*				
Sample ID: PVC1707-02 (EW-19S-S-032212 - Water)								**N1**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1226	1.2	**1.5**	1.22	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*73 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*122 %*				*S10*
Sample ID: PVC1707-03 (OU3-2M-M-032212 - Water)								**N1**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1226	1.0	**1.9**	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*53 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*99 %*				
Sample ID: PVC1707-04 (OU3-2M-M-032212-MS/MSD - Water)								**N1**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1226	1.0	**1.7**	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*71 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*107 %*				
Sample ID: PVC1707-05 (OU3-20S-S-032212 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*78 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*119 %*				
Sample ID: PVC1707-06 (OU3-20S-S-032212-MS/MSD - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*70 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*118 %*				
Sample ID: PVC1707-07 (OU3-20M-M-032212 - Water)								**N1**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*79 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*120 %*				

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Scottsdale, AZ 85251
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Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Blank Analyzed: 03/29/2012 (12C1355-BLK1)										**N1**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Blank Analyzed: 03/29/2012 (12C1355-BLK1)										N1
,1-Dichloropropene	ND	0.50	ug/l							
is-1,3-Dichloropropene	ND	0.50	ug/l							
rans-1,3-Dichloropropene	ND	0.50	ug/l							
thylbenzene	ND	0.50	ug/l							
lexachlorobutadiene	ND	1.0	ug/l							
-Hexanone	ND	2.5	ug/l							
odomethane	ND	2.5	ug/l							
sopropylbenzene	ND	0.50	ug/l							
-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
-Propylbenzene	ND	0.50	ug/l							
tyrene	ND	0.50	ug/l							
,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
etrachloroethene	ND	0.50	ug/l							
oluene	ND	0.50	ug/l							
,2,3-Trichlorobenzene	ND	1.0	ug/l							
,2,4-Trichlorobenzene	ND	1.0	ug/l							
,1,1-Trichloroethane	ND	0.50	ug/l							
,1,2-Trichloroethane	ND	0.50	ug/l							
richloroethene	ND	0.50	ug/l							
richlorofluoromethane	ND	0.50	ug/l							*V1*
,2,3-Trichloropropane	ND	1.0	ug/l							
,2,4-Trimethylbenzene	ND	0.50	ug/l							
,3,5-Trimethylbenzene	ND	0.50	ug/l							
inyl Acetate	ND	1.0	ug/l							
inyl chloride	ND	0.50	ug/l							
ylenes, Total	ND	1.0	ug/l							
reon 113	ND	2.0	ug/l							
urrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-130*			
urrogate: Toluene-d8	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
urrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Analyzed: 03/29/2012 (12C1355-BS1)										**N1**
Acetone	38.1	10	ug/l	25 0		152	10-150			*L3*
Benzene	22.9	0.50	ug/l	25.0		92	80-120			
Bromobenzene	24.5	0.50	ug/l	25.0		98	80-120			
Bromochloromethane	23.8	0.50	ug/l	25.0		95	80-125			
Bromodichloromethane	26.9	0.50	ug/l	25.0		108	80-120			
Bromoform	22.3	1.0	ug/l	25.0		89	75-130			
Bromomethane	24.3	1.0	ug/l	25.0		97	55-150			
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	40-150			
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	80-130			
sec-Butylbenzene	24.7	0.50	ug/l	25.0		99	80-125			
tert-Butylbenzene	26.0	0.50	ug/l	25.0		104	80-120			
Carbon disulfide	23.1	1.0	ug/l	25.0		93	70-140			
Carbon tetrachloride	30.2	0.50	ug/l	25.0		121	75-130			
Chlorobenzene	22.6	0.50	ug/l	25.0		90	80-120			
Chloroethane	21.3	1.0	ug/l	25.0		85	70-130			
Chloroform	23.9	0.50	ug/l	25.0		96	75-120			
Chloromethane	21.1	1.0	ug/l	25.0		85	60-140			
2-Chlorotoluene	24.8	0.50	ug/l	25.0		99	80-120			
4-Chlorotoluene	25.5	0.50	ug/l	25.0		102	80-120			
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	80-120			
1,2-Dibromo-3-chloropropane	26.4	2.5	ug/l	25.0		106	50-150			*V1*
1,2-Dibromoethane (EDB)	24.9	0.50	ug/l	25.0		100	80-120			
Dibromomethane	25.5	0.50	ug/l	25.0		102	75-120			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	80-120			
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	80-120			
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		94	80-120			
Dichlorodifluoromethane	25.2	0.50	ug/l	25.0		101	60-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0		89	70-125			
1,2-Dichloroethane	27.9	0.50	ug/l	25.0		111	75-130			
1,1-Dichloroethene	24.4	0.50	ug/l	25.0		98	75-125			
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	80-120			
trans-1,2-Dichloroethene	23.5	0.50	ug/l	25.0		94	80-120			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	80-120			
1,3-Dichloropropane	24.7	0.50	ug/l	25.0		99	80-120			
2,2-Dichloropropane	26.9	1.0	ug/l	25.0		108	75-130			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Analyzed: 03/29/2012 (12C1355-BS1)										**N1**
1-Dichloropropene	24.3	0.50	ug/l	25.0		97	75-120			
s-1,3-Dichloropropene	25.4	0.50	ug/l	25.0		102	80-120			
ans-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	80-125			
thylbenzene	25.2	0.50	ug/l	25.0		101	80-120			
exachlorobutadiene	27.0	1.0	ug/l	25.0		108	40-150			
Hexanone	30.4	2.5	ug/l	25.0		122	20-150			
domethane	27.6	2.5	ug/l	25.0		110	80-130			
opropylbenzene	27.7	0.50	ug/l	25.0		111	80-130			
Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130			
lethylene Chloride	21.2	1.0	ug/l	25.0		85	70-120			
Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	60-135			
lethyl-tert-butyl Ether (MTBE)	22.7	0.50	ug/l	25.0		91	70-130			
aphthalene	24.9	2.5	ug/l	25.0		99	40-150			
Propylbenzene	26.4	0.50	ug/l	25.0		105	75-130			
yrene	24.6	0.50	ug/l	25.0		99	80-120			
1,1,2-Tetrachloroethane	25.4	0.50	ug/l	25.0		101	75-125			
1,2,2-Tetrachloroethane	24.1	0.50	ug/l	25.0		96	80-120			
etrachloroethene	24.2	0.50	ug/l	25.0		97	70-130			
oluene	23.1	0.50	ug/l	25.0		93	80-120			
2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0		96	55-150			
2,4-Trichlorobenzene	25.5	1.0	ug/l	25.0		102	50-150			
1,1-Trichloroethane	27.4	0.50	ug/l	25.0		109	75-125			
1,2-Trichloroethane	22.4	0.50	ug/l	25.0		90	80-120			
richloroethene	23.8	0.50	ug/l	25.0		95	80-120			
richlorofluoromethane	32.1	0.50	ug/l	25.0		129	70-150			*V1*
2,3-Trichloropropane	24.9	1 0	ug/l	25.0		100	70-130			
2,4-Trimethylbenzene	25.5	0.50	ug/l	25.0		102	80-120			
3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	80-130			
inyl Acetate	24.2	1.0	ug/l	25.0		97	40-150			
inyl chloride	24.9	0.50	ug/l	25.0		100	70-130			
ylenes, Total	49.0	1.0	ug/l	50.0		98	60-140			
reon 113	24.3	2.0	ug/l	25.0		97	60-140			
urrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
urrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
urrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-125*			

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roject Manager

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Dup Analyzed: 03/29/2012 (12C1355-BSD1)										N1
Acetone	38.7	10	ug/l	25.0		155	10-150	2	35	*L3*
Benzene	23.1	0.50	ug/l	25.0		92	80-120	0.9	15	
Bromobenzene	25.7	0.50	ug/l	25.0		103	80-120	5	15	
Bromochloromethane	24.9	0.50	ug/l	25.0		100	80-125	5	15	
Bromodichloromethane	28.1	0.50	ug/l	25.0		112	80-120	4	15	
Bromoform	24.8	1.0	ug/l	25.0		99	75-130	11	20	
Bromomethane	26.1	1.0	ug/l	25.0		104	55-150	7	20	
2-Butanone (MEK)	29.4	2.5	ug/l	25.0		117	40-150	17	35	
n-Butylbenzene	25.6	0.50	ug/l	25.0		102	80-130	2	15	
sec-Butylbenzene	25.8	0.50	ug/l	25.0		103	80-125	5	15	
tert-Butylbenzene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
Carbon disulfide	23.8	1.0	ug/l	25.0		95	70-140	3	15	
Carbon tetrachloride	30.1	0.50	ug/l	25.0		120	75-130	0.4	20	
Chlorobenzene	23.2	0.50	ug/l	25.0		93	80-120	3	15	
Chloroethane	22.4	1.0	ug/l	25.0		90	70-130	5	15	
Chloroform	25.5	0.50	ug/l	25.0		102	75-120	6	15	
Chloromethane	24.0	1.0	ug/l	25.0		96	60-140	13	20	
2-Chlorotoluene	25.4	0.50	ug/l	25.0		102	80-120	2	15	
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	80-120	3	15	
Dibromochloromethane	26.7	0.50	ug/l	25.0		107	80-120	10	15	
1,2-Dibromo-3-chloropropane	35.2	2.5	ug/l	25.0		141	50-150	29	35	*V1*
1,2-Dibromoethane (EDB)	26.3	0.50	ug/l	25.0		105	80-120	5	15	
Dibromomethane	27.7	0.50	ug/l	25.0		111	75-120	8	15	
1,2-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	8	15	
1,3-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	4	15	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	80-120	4	15	
Dichlorodifluoromethane	26 6	0.50	ug/l	25.0		106	60-150	5	30	
1,1-Dichloroethane	23.8	0.50	ug/l	25.0		95	70-125	6	15	
1,2-Dichloroethane	30.2	0.50	ug/l	25.0		121	75-130	8	15	
1,1-Dichloroethene	25.0	0.50	ug/l	25.0		100	75-125	2	20	
cis-1,2-Dichloroethene	23.3	0.50	ug/l	25.0		93	80-120	1	15	
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0		96	80-120	2	15	
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		89	80-120	8	15	
1,3-Dichloropropane	25.2	0.50	ug/l	25.0		101	80-120	2	15	
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	75-130	0.3	15	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
LCS Dup Analyzed: 03/29/2012 (12C1355-BSD1)										N1
1,1-Dichloropropene	24.8	0.50	ug/l	25.0		99	75-120	2	15	
cis-1,3-Dichloropropene	25.2	0.50	ug/l	25.0		101	80-120	0.9	15	
trans-1,3-Dichloropropene	24.2	0.50	ug/l	25.0		97	80-125	2	15	
Ethylbenzene	26.0	0.50	ug/l	25.0		104	80-120	3	15	
Hexachlorobutadiene	27.4	1.0	ug/l	25.0		110	40-150	1	35	
2-Hexanone	29.6	2.5	ug/l	25.0		119	20-150	2	35	
Iodomethane	28.3	2.5	ug/l	25.0		113	80-130	3	10	
Isopropylbenzene	28.4	0.50	ug/l	25.0		113	80-130	2	15	
4-Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130	0.2	15	
Methylene Chloride	22.7	1.0	ug/l	25.0		91	70-120	7	15	
4-Methyl-2-pentanone (MIBK)	27.4	2.5	ug/l	25.0		110	60-135	17	25	
Methyl-tert-butyl Ether (MTBE)	26.1	0.50	ug/l	25.0		104	70-130	14	20	
Naphthalene	28.8	2.5	ug/l	25.0		115	40-150	15	30	
n-Propylbenzene	26.1	0.50	ug/l	25.0		105	75-130	0.9	15	
Styrene	25.5	0.50	ug/l	25.0		102	80-120	3	15	
1,1,1,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	75-125	7	15	
1,1,2,2-Tetrachloroethane	28.4	0.50	ug/l	25.0		113	80-120	16	20	
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130	2	20	
Toluene	22.8	0.50	ug/l	25.0		91	80-120	1	15	
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	55-150	7	35	
1,2,4-Trichlorobenzene	26.2	1.0	ug/l	25.0		105	50-150	3	30	
1,1,1-Trichloroethane	27.9	0.50	ug/l	25.0		112	75-125	2	15	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	80-120	7	15	
Trichloroethene	25.1	0.50	ug/l	25.0		101	80-120	6	15	
Trichlorofluoromethane	33.4	0.50	ug/l	25.0		134	70-150	4	25	*V1*
1,2,3-Trichloropropane	30.3	1.0	ug/l	25.0		121	70-130	20	20	
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	80-120	3	15	
1,3,5-Trimethylbenzene	25.7	0.50	ug/l	25.0		103	80-130	1	15	
Vinyl Acetate	27.4	1.0	ug/l	25.0		110	40-150	13	25	
Vinyl chloride	26.5	0.50	ug/l	25.0		106	70-130	6	20	
Xylenes, Total	48.3	1.0	ug/l	50.0		97	60-140	1	15	
Freon 113	25.7	2.0	ug/l	25.0		103	60-140	6	15	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-125*			

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Analyzed: 03/29/2012 (12C1355-MS1)					**Source: PVC1707-04**					**N1**
Acetone	24.8	10	ug/l	25.0	ND	99	10-150			
Benzene	23.0	0.50	ug/l	25.0	0.140	92	70-125			
Bromobenzene	23.4	0.50	ug/l	25.0	ND	93	75-120			
Bromochloromethane	26.7	0.50	ug/l	25.0	ND	107	75-130			
Bromodichloromethane	29.1	0.50	ug/l	25.0	ND	116	75-125			
Bromoform	23.0	1.0	ug/l	25.0	ND	92	65-125			
Bromomethane	24.4	1.0	ug/l	25 0	ND	98	45-150			
2-Butanone (MEK)	24.3	2.5	ug/l	25.0	ND	97	15-150			
n-Butylbenzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-125			
tert-Butylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-125			
Carbon disulfide	22.9	1.0	ug/l	25.0	ND	92	65-145			
Carbon tetrachloride	29.8	0.50	ug/l	25.0	ND	119	65-135			
Chlorobenzene	23.0	0.50	ug/l	25.0	ND	92	75-120			
Chloroethane	22.3	1.0	ug/l	25.0	ND	89	65-140			
Chloroform	27.2	0.50	ug/l	25.0	0.980	105	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	55-145			
2-Chlorotoluene	23.3	0.50	ug/l	25.0	ND	93	70-125			
4-Chlorotoluene	23.1	0.50	ug/l	25.0	ND	92	70-125			
Dibromochloromethane	26.1	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	29.7	2.5	ug/l	25.0	ND	119	50-150			*V1*
1,2-Dibromoethane (EDB)	25.8	0.50	ug/l	25.0	ND	103	70-125			
Dibromomethane	27.0	0.50	ug/l	25.0	ND	108	70-120			
1,2-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	75-120			
1,3-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	75-120			
1,4-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-125			
Dichlorodifluoromethane	24.3	0.50	ug/l	25.0	ND	97	60-150			
1,1-Dichloroethane	27.2	0.50	ug/l	25.0	3.18	96	70-130			
1,2-Dichloroethane	31.9	0.50	ug/l	25.0	ND	128	65-140			
1,1-Dichloroethene	29.1	0.50	ug/l	25.0	4.94	97	70-130			
cis-1,2-Dichloroethene	31.0	0.50	ug/l	25.0	4.84	105	70-125			
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0	ND	98	75-125			
1,2-Dichloropropane	22.9	0.50	ug/l	25 0	ND	91	75-125			
1,3-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-120			
2,2-Dichloropropane	27.0	1.0	ug/l	25.0	ND	108	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Analyzed: 03/29/2012 (12C1355-MS1)					**Source: PVC1707-04**					**N1**
,1-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	65-130			
is-1,3-Dichloropropene	24.7	0.50	ug/l	25.0	ND	99	75-130			
ans-1,3-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	70-130			
thylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-125			
lexachlorobutadiene	23.3	1.0	ug/l	25.0	ND	93	40-150			
-Hexanone	24.5	2.5	ug/l	25.0	ND	98	20-150			
odomethane	28.9	2.5	ug/l	25.0	ND	116	60-150			
opropylbenzene	26.0	0.50	ug/l	25.0	ND	104	75-130			
-Isopropyltoluene	22.7	0.50	ug/l	25.0	ND	91	70-130			
lethylene Chloride	23.1	1.0	ug/l	25.0	ND	92	65-130			
-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	55-135			
lethyl-tert-butyl Ether (MTBE)	26.3	0.50	ug/l	25.0	ND	105	65-140			
laphthalene	24.3	2.5	ug/l	25.0	ND	97	40-150			
-Propylbenzene	24.0	0.50	ug/l	25.0	ND	96	70-130			
tyrene	22.3	0.50	ug/l	25.0	ND	89	55-135			
,1,1,2-Tetrachloroethane	26.6	0.50	ug/l	25.0	ND	106	70-125			
,1,2,2-Tetrachloroethane	24.6	0.50	ug/l	25.0	ND	99	70-125			
etrachloroethene	24.0	0.50	ug/l	25.0	1.17	91	65-130			
oluene	23.9	0.50	ug/l	25.0	ND	96	70-125			
,2,3-Trichlorobenzene	22.5	1.0	ug/l	25.0	ND	90	50-150			
,2,4-Trichlorobenzene	23.3	1.0	ug/l	25.0	ND	93	50-150			
,1,1-Trichloroethane	29.0	0.50	ug/l	25.0	ND	116	70-130			
,1,2-Trichloroethane	24.4	0.50	ug/l	25.0	ND	97	75-125			
richloroethene	51.3	0.50	ug/l	25.0	26.0	101	70-125			
richlorofluoromethane	32.8	0.50	ug/l	25.0	ND	131	65-150			*V1*
,2,3-Trichloropropane	26.9	1.0	ug/l	25.0	ND	108	70-130			
,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-125			
,3,5-Trimethylbenzene	23.9	0.50	ug/l	25.0	ND	95	75-130			
inyl Acetate	24.2	1.0	ug/l	25.0	ND	97	40-150			
inyl chloride	22.6	0.50	ug/l	25.0	ND	90	60-140			
ylenes, Total	47.2	1.0	ug/l	50.0	ND	94	75-120			
reon 113	24.9	2.0	ug/l	25.0	ND	99	65-140			
urrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-130*			
urrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
urrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*80-125*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1355-MSD1)					**Source: PVC1707-04**					**N1**
Acetone	21.8	10	ug/l	25.0	ND	87	10-150	13	35	
Benzene	24.7	0.50	ug/l	25.0	0.140	98	70-125	7	25	
Bromobenzene	25.7	0.50	ug/l	25.0	ND	103	75-120	9	20	
Bromochloromethane	24.6	0.50	ug/l	25.0	ND	99	75-130	8	20	
Bromodichloromethane	29.6	0.50	ug/l	25.0	ND	119	75-125	2	20	
Bromoform	23.0	1.0	ug/l	25.0	ND	92	65-125	0.2	25	
Bromomethane	25.2	1.0	ug/l	25.0	ND	101	45-150	3	35	
2-Butanone (MEK)	19.7	2.5	ug/l	25.0	ND	79	15-150	21	30	
n-Butylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	30	
sec-Butylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-125	9	30	
tert-Butylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-125	9	25	
Carbon disulfide	23.1	1.0	ug/l	25.0	ND	92	65-145	0.7	25	
Carbon tetrachloride	31.8	0.50	ug/l	25.0	ND	127	65-135	6	25	
Chlorobenzene	23.6	0.50	ug/l	25.0	ND	94	75-120	3	20	
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	65-140	3	25	
Chloroform	26.6	0.50	ug/l	25.0	0.980	102	70-130	2	20	
Chloromethane	22.5	1.0	ug/l	25.0	ND	90	55-145	8	35	
2-Chlorotoluene	24.9	0.50	ug/l	25.0	ND	100	70-125	7	25	
4-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	101	70-125	9	25	
Dibromochloromethane	26.8	0.50	ug/l	25.0	ND	107	70-130	2	20	
1,2-Dibromo-3-chloropropane	29.8	2.5	ug/l	25.0	ND	119	50-150	0.5	30	*V1*
1,2-Dibromoethane (EDB)	25.4	0.50	ug/l	25.0	ND	102	70-125	2	20	
Dibromomethane	26.5	0.50	ug/l	25.0	ND	106	70-120	2	20	
1,2-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	75-120	7	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	6	25	
1,4-Dichlorobenzene	23.7	0.50	ug/l	25.0	ND	95	70-125	4	20	
Dichlorodifluoromethane	25.0	0.50	ug/l	25.0	ND	100	60-150	3	30	
1,1-Dichloroethane	26.1	0.50	ug/l	25.0	3.18	92	70-130	4	20	
1,2-Dichloroethane	30.2	0.50	ug/l	25.0	ND	121	65-140	6	20	
1,1-Dichloroethene	28.5	0.50	ug/l	25.0	4.94	94	70-130	2	25	
cis-1,2-Dichloroethene	29.8	0.50	ug/l	25.0	4.84	100	70-125	4	20	
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0	ND	98	75-125	0.2	25	
1,2-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	75-125	2	20	
1,3-Dichloropropane	25.2	0.50	ug/l	25.0	ND	101	70-120	1	20	
2,2-Dichloropropane	26.4	1.0	ug/l	25.0	ND	105	65-140	3	25	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1355 Extracted: 03/29/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1355-MSD1)					**Source: PVC1707-04**					**N1**
1,1-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	65-130	4	25	
cis-1,3-Dichloropropene	26.5	0.50	ug/l	25.0	ND	106	75-130	7	20	
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
Ethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-125	3	25	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	40-150	16	30	
2-Hexanone	22.4	2.5	ug/l	25.0	ND	90	20-150	9	30	
Iodomethane	27.6	2.5	ug/l	25.0	ND	111	60-150	4	30	
Isopropylbenzene	27.8	0.50	ug/l	25.0	ND	111	75-130	7	25	
4-Isopropyltoluene	25.5	0.50	ug/l	25.0	ND	102	70-130	12	30	
Methylene Chloride	22.2	1.0	ug/l	25.0	ND	89	65-130	4	20	
4-Methyl-2-pentanone (MIBK)	23.8	2.5	ug/l	25.0	ND	95	55-135	7	25	
Methyl-tert-butyl Ether (MTBE)	24.2	0.50	ug/l	25.0	ND	97	65-140	8	25	
Naphthalene	25.8	2.5	ug/l	25.0	ND	103	40-150	6	30	
n-Propylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-130	9	30	
Styrene	23.4	0.50	ug/l	25.0	ND	94	55-135	5	35	
1,1,1,2-Tetrachloroethane	27.8	0.50	ug/l	25.0	ND	111	70-125	5	20	
1,1,2,2-Tetrachloroethane	24.4	0.50	ug/l	25.0	ND	98	70-125	1	25	
Tetrachloroethene	25.6	0.50	ug/l	25.0	1.17	98	65-130	6	25	
Toluene	25.0	0.50	ug/l	25.0	ND	100	70-125	4	20	
1,2,3-Trichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	50-150	8	35	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	8	25	
1,1,1-Trichloroethane	28.2	0.50	ug/l	25.0	ND	113	70-130	3	25	
1,1,2-Trichloroethane	24.3	0.50	ug/l	25.0	ND	97	75-125	0.1	20	
Trichloroethene	52.8	0.50	ug/l	25.0	26.0	107	70-125	3	25	
Trichlorofluoromethane	33.3	0.50	ug/l	25.0	ND	133	65-150	1	25	*V1*
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	102	70-130	5	25	
1,2,4-Trimethylbenzene	25.7	0.50	ug/l	25.0	ND	103	70-125	10	30	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0	ND	101	75-130	6	25	
Vinyl Acetate	21.8	1.0	ug/l	25.0	ND	87	40-150	11	30	
Vinyl chloride	24.6	0.50	ug/l	25.0	ND	99	60-140	9	25	
Xylenes, Total	50.0	1.0	ug/l	50.0	ND	100	75-120	6	15	
Freon 113	24.3	2.0	ug/l	25.0	ND	97	65-140	2	20	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Blank Analyzed: 03/30/2012 (12C1368-BLK1)										**N1**
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Blank Analyzed: 03/30/2012 (12C1368-BLK1)										N1
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
4-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Analyzed: 03/30/2012 (12C1368-BS1)										**N1**
Acetone	46.6	10	ug/l	25.0		186	10-150			*V1, L3*
Benzene	24.5	0.50	ug/l	25.0		98	80-120			
Bromobenzene	26.0	0.50	ug/l	25.0		104	80-120			
Bromochloromethane	24.6	0.50	ug/l	25.0		99	80-125			
Bromodichloromethane	28.8	0.50	ug/l	25.0		115	80-120			
Bromoform	25.0	1.0	ug/l	25.0		100	75-130			
Bromomethane	25.8	1.0	ug/l	25.0		103	55-150			
2-Butanone (MEK)	31.2	2.5	ug/l	25.0		125	40-150			
n-Butylbenzene	25.4	0.50	ug/l	25.0		102	80-130			
sec-Butylbenzene	24.9	0.50	ug/l	25.0		99	80-125			
tert-Butylbenzene	26.4	0.50	ug/l	25.0		105	80-120			
Carbon disulfide	24.1	1.0	ug/l	25.0		96	70-140			
Carbon tetrachloride	32.8	0.50	ug/l	25.0		131	75-130			*L3*
Chlorobenzene	24.0	0.50	ug/l	25.0		96	80-120			
Chloroethane	23.4	1.0	ug/l	25.0		94	70-130			
Chloroform	26.4	0.50	ug/l	25.0		106	75-120			
Chloromethane	23.9	1.0	ug/l	25.0		96	60-140			
2-Chlorotoluene	25.7	0.50	ug/l	25.0		103	80-120			
4-Chlorotoluene	26.1	0.50	ug/l	25.0		104	80-120			
Dibromochloromethane	26.6	0.50	ug/l	25.0		106	80-120			
1,2-Dibromo-3-chloropropane	35.2	2.5	ug/l	25.0		141	50-150			*V1*
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0		107	80-120			
Dibromomethane	28.8	0.50	ug/l	25.0		115	75-120			
1,2-Dichlorobenzene	24.4	0.50	ug/l	25 0		98	80-120			
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	80-120			
1,4-Dichlorobenzene	23.7	0.50	ug/l	25.0		95	80-120			
Dichlorodifluoromethane	28.1	0.50	ug/l	25.0		112	60-150			
1,1-Dichloroethane	23.7	0.50	ug/l	25.0		95	70-125			
1,2-Dichloroethane	30.4	0.50	ug/l	25.0		122	75-130			
1,1-Dichloroethene	26.0	0.50	ug/l	25.0		104	75-125			
cis-1,2-Dichloroethene	23.7	0.50	ug/l	25.0		95	80-120			
trans-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	80-120			
1,2-Dichloropropane	22.3	0.50	ug/l	25.0		89	80-120			
1,3-Dichloropropane	26.6	0.50	ug/l	25.0		106	80-120			
2,2-Dichloropropane	28.6	1.0	ug/l	25.0		114	75-130			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Analyzed: 03/30/2012 (12C1368-BS1)										N1
,1-Dichloropropene	26.0	0.50	ug/l	25.0		104	75-120			
is-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	80-120			
rans-1,3-Dichloropropene	25.4	0.50	ug/l	25.0		101	80-125			
thylbenzene	27.0	0.50	ug/l	25.0		108	80-120			
lexachlorobutadiene	26.8	1.0	ug/l	25.0		107	40-150			
-Hexanone	37.5	2.5	ug/l	25.0		150	20-150			
odomethane	28.6	2.5	ug/l	25.0		114	80-130			
sopropylbenzene	28.4	0.50	ug/l	25.0		114	80-130			
-Isopropyltoluene	25.0	0.50	ug/l	25.0		100	80-130			
Methylene Chloride	23.1	1.0	ug/l	25.0		92	70-120			
-Methyl-2-pentanone (MIBK)	27.3	2.5	ug/l	25.0		109	60-135			
Methyl-tert-butyl Ether (MTBE)	23.6	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.5	2.5	ug/l	25.0		110	40-150			
-Propylbenzene	26.9	0.50	ug/l	25.0		108	75-130			
Styrene	25.6	0.50	ug/l	25.0		102	80-120			
,1,1,2-Tetrachloroethane	27.8	0.50	ug/l	25.0		111	75-125			
,1,2,2-Tetrachloroethane	27.2	0.50	ug/l	25.0		109	80-120			
Tetrachloroethene	25.7	0.50	ug/l	25.0		103	70-130			
Toluene	24.1	0.50	ug/l	25.0		97	80-120			
,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	55-150			
,2,4-Trichlorobenzene	25.6	1.0	ug/l	25.0		102	50-150			
,1,1-Trichloroethane	29.4	0.50	ug/l	25.0		118	75-125			
,1,2-Trichloroethane	25.1	0.50	ug/l	25.0		100	80-120			
Trichloroethene	26.1	0.50	ug/l	25.0		104	80-120			
Trichlorofluoromethane	35.5	0.50	ug/l	25.0		142	70-150			
,2,3-Trichloropropane	29.0	1.0	ug/l	25.0		116	70-130			
,2,4-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	80-120			
,3,5-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	80-130			
Vinyl Acetate	27.0	1.0	ug/l	25.0		108	40-150			
Vinyl chloride	27.7	0.50	ug/l	25.0		111	70-130			
Xylenes, Total	49.1	1.0	ug/l	50.0		98	60-140			
Freon 113	26.3	2.0	ug/l	25.0		105	60-140			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Dup Analyzed: 03/30/2012 (12C1368-BSD1)										**N1**
Acetone	44.4	10	ug/l	25.0		178	10-150	5	35	*V1, L3*
Benzene	23.5	0.50	ug/l	25.0		94	80-120	4	15	
Bromobenzene	25.7	0.50	ug/l	25.0		103	80-120	1	15	
Bromochloromethane	25.0	0.50	ug/l	25.0		100	80-125	1	15	
Bromodichloromethane	28.9	0.50	ug/l	25.0		116	80-120	0.3	15	
Bromoform	23.7	1.0	ug/l	25.0		95	75-130	5	20	
Bromomethane	27.0	1.0	ug/l	25.0		108	55-150	5	20	
2-Butanone (MEK)	30.0	2.5	ug/l	25.0		120	40-150	4	35	
n-Butylbenzene	25.1	0.50	ug/l	25.0		100	80-130	1	15	
sec-Butylbenzene	26.7	0.50	ug/l	25.0		107	80-125	7	15	
tert-Butylbenzene	27.4	0.50	ug/l	25.0		109	80-120	4	15	
Carbon disulfide	25.3	1.0	ug/l	25.0		101	70-140	5	15	
Carbon tetrachloride	32.4	0.50	ug/l	25.0		130	75-130	1	20	
Chlorobenzene	24.7	0.50	ug/l	25.0		99	80-120	3	15	
Chloroethane	24.6	1.0	ug/l	25.0		99	70-130	5	15	
Chloroform	26.5	0.50	ug/l	25.0		106	75-120	0.6	15	
Chloromethane	24.4	1.0	ug/l	25.0		98	60-140	2	20	
2-Chlorotoluene	26.4	0.50	ug/l	25.0		105	80-120	3	15	
4-Chlorotoluene	27.0	0.50	ug/l	25.0		108	80-120	3	15	
Dibromochloromethane	26.6	0.50	ug/l	25.0		107	80-120	0.2	15	
1,2-Dibromo-3-chloropropane	33.0	2.5	ug/l	25.0		132	50-150	7	35	*V1*
1,2-Dibromoethane (EDB)	26.9	0.50	ug/l	25.0		108	80-120	0.3	15	
Dibromomethane	27.2	0.50	ug/l	25.0		109	75-120	6	15	
1,2-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120	4	15	
1,3-Dichlorobenzene	25.6	0.50	ug/l	25.0		102	80-120	3	15	
1,4-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	80-120	5	15	
Dichlorodifluoromethane	28.0	0.50	ug/l	25.0		112	60-150	0.4	30	
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-125	3	15	
1,2-Dichloroethane	31.3	0.50	ug/l	25.0		125	75-130	3	15	
1,1-Dichloroethene	26.3	0.50	ug/l	25.0		105	75-125	1	20	
cis-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	80-120	4	15	
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0		102	80-120	3	15	
1,2-Dichloropropane	22.5	0.50	ug/l	25.0		90	80-120	0.9	15	
1,3-Dichloropropane	26.2	0.50	ug/l	25.0		105	80-120	1	15	
2,2-Dichloropropane	29.5	1.0	ug/l	25.0		118	75-130	3	15	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
LCS Dup Analyzed: 03/30/2012 (12C1368-BSD1)										N1
,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	75-120	0.8	15	
is-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	80-120	2	15	
rans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0		98	80-125	3	15	
thylbenzene	28.2	0.50	ug/l	25.0		113	80-120	4	15	
lexachlorobutadiene	27.2	1.0	ug/l	25.0		109	40-150	1	35	
-Hexanone	34.6	2.5	ug/l	25.0		138	20-150	8	35	
odomethane	28.8	2.5	ug/l	25.0		115	80-130	0.6	10	
sopropylbenzene	29.2	0.50	ug/l	25.0		117	80-130	3	15	
-Isopropyltoluene	26.4	0.50	ug/l	25.0		105	80-130	5	15	
Methylene Chloride	23.4	1.0	ug/l	25.0		94	70-120	1	15	
-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	24.5	0.50	ug/l	25.0		98	70-130	3	20	
Naphthalene	27.7	2.5	ug/l	25.0		111	40-150	0.5	30	
-Propylbenzene	26.7	0.50	ug/l	25.0		107	75-130	0.8	15	
Styrene	27.8	0.50	ug/l	25.0		111	80-120	8	15	
,1,1,2-Tetrachloroethane	29.3	0.50	ug/l	25.0		117	75-125	5	15	
,1,2,2-Tetrachloroethane	25.9	0.50	ug/l	25.0		104	80-120	5	20	
Tetrachloroethene	26.9	0.50	ug/l	25.0		108	70-130	5	20	
Toluene	24.3	0.50	ug/l	25.0		97	80-120	0.5	15	
,2,3-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	55-150	7	35	
,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	50-150	3	30	
,1,1-Trichloroethane	30.1	0.50	ug/l	25.0		121	75-125	2	15	
,1,2-Trichloroethane	24.3	0.50	ug/l	25.0		97	80-120	3	15	
Trichloroethene	26.1	0.50	ug/l	25.0		104	80-120	0.2	15	
Trichlorofluoromethane	36.5	0.50	ug/l	25.0		146	70-150	3	25	
,2,3-Trichloropropane	27.5	1.0	ug/l	25.0		110	70-130	5	20	
,2,4-Trimethylbenzene	27.2	0.50	ug/l	25.0		109	80-120	3	15	
,3,5-Trimethylbenzene	26.8	0.50	ug/l	25.0		107	80-130	1	15	
Vinyl Acetate	27.5	1.0	ug/l	25.0		110	40-150	2	25	
Vinyl chloride	28.0	0.50	ug/l	25.0		112	70-130	0.8	20	
Xylenes, Total	53.4	1.0	ug/l	50.0		107	60-140	8	15	
Freon 113	28.0	2.0	ug/l	25.0		112	60-140	6	15	
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Analyzed: 03/30/2012 (12C1368-MS1)					**Source: PVC1966-02**					**N1**
Acetone	20.3	10	ug/l	25.0	ND	81	10-150			*V1*
Benzene	24.2	0.50	ug/l	25.0	ND	97	70-125			
Bromobenzene	25.0	0.50	ug/l	25.0	ND	100	75-120			
Bromochloromethane	24.0	0.50	ug/l	25.0	ND	96	75-130			
Bromodichloromethane	29.0	0.50	ug/l	25.0	ND	116	75-125			
Bromoform	21.7	1.0	ug/l	25.0	ND	87	65-125			
Bromomethane	23.5	1.0	ug/l	25.0	ND	94	45-150			
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	78	15-150			
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130			
sec-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-125			
tert-Butylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-125			
Carbon disulfide	23.8	1.0	ug/l	25.0	ND	95	65-145			
Carbon tetrachloride	32.3	0.50	ug/l	25.0	ND	129	65-135			
Chlorobenzene	23.7	0.50	ug/l	25.0	ND	95	75-120			
Chloroethane	21.7	1.0	ug/l	25.0	ND	87	65-140			
Chloroform	26.2	0.50	ug/l	25.0	ND	105	70-130			
Chloromethane	20.3	1.0	ug/l	25.0	ND	81	55-145			
2-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	102	70-125			
4-Chlorotoluene	26.0	0.50	ug/l	25.0	ND	104	70-125			
Dibromochloromethane	24.9	0.50	ug/l	25.0	ND	99	70-130			
1,2-Dibromo-3-chloropropane	27.6	2.5	ug/l	25.0	ND	110	50-150			*V1*
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0	ND	96	70-125			
Dibromomethane	25.6	0.50	ug/l	25.0	ND	102	70-120			
1,2-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	94	75-120			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	75-120			
1,4-Dichlorobenzene	23.9	0.50	ug/l	25.0	ND	95	70-125			
Dichlorodifluoromethane	23.3	0.50	ug/l	25.0	ND	93	60-150			
1,1-Dichloroethane	23.7	0.50	ug/l	25.0	ND	95	70-130			
1,2-Dichloroethane	30.2	0.50	ug/l	25.0	ND	121	65-140			
1,1-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	70-130			
cis-1,2-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-125			
trans-1,2-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	75-125			
1,2-Dichloropropane	22.5	0.50	ug/l	25.0	ND	90	75-125			
1,3-Dichloropropane	24.2	0.50	ug/l	25.0	0.900	93	70-120			
2,2-Dichloropropane	27.6	1.0	ug/l	25.0	ND	111	65-140			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Analyzed: 03/30/2012 (12C1368-MS1)					**Source: PVC1966-02**					**N1**
,1-Dichloropropene	25.3	0.50	ug/l	25.0	ND	101	65-130			
is-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
ans-1,3-Dichloropropene	23.1	0.50	ug/l	25.0	ND	92	70-130			
thylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-125			
lexachlorobutadiene	24.9	1.0	ug/l	25.0	ND	100	40-150			
-Hexanone	18.8	2.5	ug/l	25.0	ND	75	20-150			
odomethane	27.4	2.5	ug/l	25.0	ND	110	60-150			
opropylbenzene	28.2	0.50	ug/l	25.0	ND	113	75-130			
-Isopropyltoluene	25.3	0.50	ug/l	25.0	ND	101	70-130			
lethylene Chloride	22.6	1.0	ug/l	25.0	ND	91	65-130			
-Methyl-2-pentanone (MIBK)	21.1	2.5	ug/l	25.0	ND	84	55-135			
lethyl-tert-butyl Ether (MTBE)	22.0	0.50	ug/l	25.0	ND	88	65-140			
laphthalene	22.0	2.5	ug/l	25.0	ND	88	40-150			
-Propylbenzene	26.6	0.50	ug/l	25.0	ND	107	70-130			
tyrene	24.3	0.50	ug/l	25.0	ND	97	55-135			
,1,1,2-Tetrachloroethane	27.4	0.50	ug/l	25.0	ND	110	70-125			
,1,2,2-Tetrachloroethane	22.9	0.50	ug/l	25.0	ND	92	70-125			
etrachloroethene	24.6	0.50	ug/l	25.0	ND	98	65-130			
oluene	25.0	0.50	ug/l	25.0	ND	100	70-125			
,2,3-Trichlorobenzene	22.5	1.0	ug/l	25.0	ND	90	50-150			
,2,4-Trichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	50-150			
,1,1-Trichloroethane	29.0	0.50	ug/l	25.0	ND	116	70-130			
,1,2-Trichloroethane	23.1	0.50	ug/l	25.0	ND	92	75-125			
richloroethene	25.4	0.50	ug/l	25.0	ND	102	70-125			
richlorofluoromethane	34.5	0.50	ug/l	25.0	ND	138	65-150			
,2,3-Trichloropropane	24.7	1.0	ug/l	25.0	ND	99	70-130			
,2,4-Trimethylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-125			
,3,5-Trimethylbenzene	26.3	0.50	ug/l	25.0	ND	105	75-130			
inyl Acetate	21.7	1.0	ug/l	25.0	ND	87	40-150			
inyl chloride	23.7	0.50	ug/l	25.0	ND	95	60-140			
ylenes, Total	49.5	1.0	ug/l	50.0	ND	99	75-120			
reon 113	26.1	2.0	ug/l	25.0	ND	104	65-140			
urrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-130*			
urrogate: Toluene-d8	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
urrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			

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ylie Emily
roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1368-MSD1)					**Source: PVC1966-02**					**N1**
Acetone	22.6	10	ug/l	25.0	ND	90	10-150	11	35	*V1*
Benzene	23.3	0.50	ug/l	25.0	ND	93	70-125	4	25	
Bromobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	1	20	
Bromochloromethane	23.8	0.50	ug/l	25.0	ND	95	75-130	1	20	
Bromodichloromethane	29.3	0.50	ug/l	25.0	ND	117	75-125	0.9	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	65-125	5	25	
Bromomethane	25.7	1.0	ug/l	25.0	ND	103	45-150	9	35	
2-Butanone (MEK)	19.5	2.5	ug/l	25.0	ND	78	15-150	0.5	30	
n-Butylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	2	30	
sec-Butylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-125	2	30	
tert-Butylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-125	0.2	25	
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	98	65-145	3	25	
Carbon tetrachloride	31.5	0.50	ug/l	25.0	ND	126	65-135	3	25	
Chlorobenzene	23.8	0.50	ug/l	25.0	ND	95	75-120	0.3	20	
Chloroethane	23.4	1.0	ug/l	25.0	ND	94	65-140	7	25	
Chloroform	26.3	0.50	ug/l	25.0	ND	105	70-130	0.3	20	
Chloromethane	21.9	1.0	ug/l	25.0	ND	88	55-145	8	35	
2-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-125	1	25	
4-Chlorotoluene	25.6	0.50	ug/l	25.0	ND	102	70-125	1	25	
Dibromochloromethane	26.0	0.50	ug/l	25.0	ND	104	70-130	4	20	
1,2-Dibromo-3-chloropropane	27.6	2.5	ug/l	25.0	ND	110	50-150	0	30	*V1*
1,2-Dibromoethane (EDB)	24.8	0.50	ug/l	25.0	ND	99	70-125	4	20	
Dibromomethane	26.7	0.50	ug/l	25.0	ND	107	70-120	4	20	
1,2-Dichlorobenzene	23.8	0.50	ug/l	25.0	ND	95	75-120	1	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	75-120	1	25	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-125	4	20	
Dichlorodifluoromethane	24.6	0.50	ug/l	25.0	ND	98	60-150	5	30	
1,1-Dichloroethane	23.5	0.50	ug/l	25.0	ND	94	70-130	0.9	20	
1,2-Dichloroethane	30.6	0.50	ug/l	25.0	ND	123	65-140	1	20	
1,1-Dichloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130	9	25	
cis-1,2-Dichloroethene	23.4	0.50	ug/l	25.0	ND	94	70-125	0.2	20	
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	75-125	2	25	
1,2-Dichloropropane	22.6	0.50	ug/l	25.0	ND	90	75-125	0.09	20	
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	0.900	90	70-120	3	20	
2,2-Dichloropropane	27.8	1 0	ug/l	25.0	ND	111	65-140	0.5	25	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1368 Extracted: 03/30/12										
Matrix Spike Dup Analyzed: 03/30/2012 (12C1368-MSD1)					**Source: PVC1966-02**					**N1**
,1-Dichloropropene	25.0	0.50	ug/l	25.0	ND	100	65-130	1	25	
is-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	75-130	3	20	
rans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-130	2	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-125	4	25	
Hexachlorobutadiene	25.8	1.0	ug/l	25.0	ND	103	40-150	4	30	
-Hexanone	20.2	2.5	ug/l	25.0	ND	81	20-150	7	30	
odomethane	28.4	2.5	ug/l	25.0	ND	114	60-150	3	30	
sopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	75-130	2	25	
-Isopropyltoluene	24.3	0.50	ug/l	25.0	ND	97	70-130	4	30	
Methylene Chloride	23.2	1.0	ug/l	25.0	ND	93	65-130	3	20	
-Methyl-2-pentanone (MIBK)	21.6	2.5	ug/l	25.0	ND	87	55-135	3	25	
Methyl-tert-butyl Ether (MTBE)	23.3	0.50	ug/l	25.0	ND	93	65-140	6	25	
Naphthalene	22.6	2.5	ug/l	25.0	ND	90	40-150	3	30	
-Propylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130	1	30	
Styrene	23.5	0.50	ug/l	25.0	ND	94	55-135	3	35	
1,1,1,2-Tetrachloroethane	27.0	0.50	ug/l	25.0	ND	108	70-125	1	20	
1,1,2,2-Tetrachloroethane	23.5	0.50	ug/l	25.0	ND	94	70-125	2	25	
Tetrachloroethene	24.2	0.50	ug/l	25.0	ND	97	65-130	1	25	
Toluene	24.0	0.50	ug/l	25.0	ND	96	70-125	4	20	
1,2,3-Trichlorobenzene	22.7	1.0	ug/l	25.0	ND	91	50-150	1	35	
1,2,4-Trichlorobenzene	23.3	1.0	ug/l	25 0	ND	93	50-150	0.6	25	
1,1,1-Trichloroethane	28.9	0.50	ug/l	25.0	ND	116	70-130	0.1	25	
1,1,2-Trichloroethane	23.2	0.50	ug/l	25.0	ND	93	75-125	0.7	20	
Trichloroethene	25.6	0.50	ug/l	25.0	ND	102	70-125	0.7	25	
Trichlorofluoromethane	34.4	0.50	ug/l	25.0	ND	137	65-150	0.4	25	
1,2,3-Trichloropropane	25.0	1.0	ug/l	25.0	ND	100	70-130	1	25	
1,2,4-Trimethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-125	0.1	30	
1,3,5-Trimethylbenzene	26.2	0.50	ug/l	25.0	ND	105	75-130	0.4	25	
Vinyl Acetate	22.7	1.0	ug/l	25.0	ND	91	40-150	4	30	
Vinyl chloride	25.5	0.50	ug/l	25.0	ND	102	60-140	7	25	
Xylenes, Total	48 0	1.0	ug/l	50.0	ND	96	75-120	3	15	
Freon 113	25.2	2.0	ug/l	25.0	ND	101	65-140	3	20	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-125*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Blank Analyzed: 03/31/2012 (12C1436-BLK1)										N1
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	0.550	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Blank Analyzed: 03/31/2012 (12C1436-BLK1)										N1
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
4-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	0.770	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.9*		*ug/l*	*25.0*		*91*	*80-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
LCS Analyzed: 03/31/2012 (12C1436-BS1)										N1
Acetone	22.1	10	ug/l	25.0		88	10-150			
Benzene	21.8	0.50	ug/l	25.0		87	80-120			
Bromobenzene	27.6	0.50	ug/l	25.0		110	80-120			
Bromochloromethane	25.5	0.50	ug/l	25.0		102	80-125			
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	80-120			
Bromoform	27.2	1.0	ug/l	25.0		109	75-130			
Bromomethane	23.3	1.0	ug/l	25.0		93	55-150			
2-Butanone (MEK)	23.2	2.5	ug/l	25.0		93	40-150			
n-Butylbenzene	21.7	0.50	ug/l	25.0		87	80-130			
sec-Butylbenzene	23.0	0.50	ug/l	25.0		92	80-125			
tert-Butylbenzene	24.8	0.50	ug/l	25.0		99	80-120			
Carbon disulfide	18.8	1.0	ug/l	25.0		75	70-140			
Carbon tetrachloride	25.5	0.50	ug/l	25.0		102	75-130			
Chlorobenzene	24.0	0.50	ug/l	25.0		96	80-120			
Chloroethane	17.3	1.0	ug/l	25.0		69	70-130			
Chloroform	21.7	0.50	ug/l	25.0		87	75-120			
Chloromethane	16.6	1.0	ug/l	25.0		66	60-140			
2-Chlorotoluene	23.2	0.50	ug/l	25.0		93	80-120			
4-Chlorotoluene	23.5	0.50	ug/l	25.0		94	80-120			
Dibromochloromethane	25.4	0.50	ug/l	25.0		101	80-120			
1,2-Dibromo-3-chloropropane	21.1	2.5	ug/l	25.0		84	50-150			
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	80-120			
Dibromomethane	25.8	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	80-120			
1,3-Dichlorobenzene	26.7	0.50	ug/l	25.0		107	80-120			
1,4-Dichlorobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Dichlorodifluoromethane	15.3	0.50	ug/l	25.0		61	60-150			
1,1-Dichloroethane	19.5	0.50	ug/l	25.0		78	70-125			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	75-130			
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	75-125			
cis-1,2-Dichloroethene	22.5	0.50	ug/l	25.0		90	80-120			
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0		88	80-120			
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	80-120			
1,3-Dichloropropane	23.9	0.50	ug/l	25.0		96	80-120			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0		89	75-130			

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Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
LCS Analyzed: 03/31/2012 (12C1436-BS1)										N1
,1-Dichloropropene	22.2	0.50	ug/l	25.0		89	75-120			
is-1,3-Dichloropropene	22.1	0.50	ug/l	25.0		88	80-120			
ans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	80-125			
thylbenzene	23.6	0.50	ug/l	25.0		94	80-120			
lexachlorobutadiene	23.0	1.0	ug/l	25.0		92	40-150			
-Hexanone	26.1	2.5	ug/l	25.0		104	20-150			
odomethane	27.1	2.5	ug/l	25.0		109	80-130			
sopropylbenzene	26.4	0.50	ug/l	25.0		105	80-130			
-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	80-130			
Aethylene Chloride	19.4	1.0	ug/l	25.0		77	70-120			
-Methyl-2-pentanone (MIBK)	20.5	2.5	ug/l	25.0		82	60-135			
Aethyl-tert-butyl Ether (MTBE)	18.9	0.50	ug/l	25.0		76	70-130			
Japhthalene	24.2	2.5	ug/l	25.0		97	40-150			
-Propylbenzene	24.2	0.50	ug/l	25.0		97	75-130			
tyrene	23.9	0.50	ug/l	25.0		96	80-120			
,1,1,2-Tetrachloroethane	25.2	0.50	ug/l	25.0		101	75-125			
,1,2,2-Tetrachloroethane	25.4	0.50	ug/l	25.0		101	80-120			
Tetrachloroethene	25.8	0.50	ug/l	25.0		103	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	80-120			
,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	55-150			
,2,4-Trichlorobenzene	25.9	1.0	ug/l	25.0		104	50-150			
,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	75-125			
,1,2-Trichloroethane	24.4	0.50	ug/l	25.0		98	80-120			
Trichloroethene	23.8	0.50	ug/l	25.0		95	80-120			
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	70-150			
,2,3-Trichloropropane	27.9	1.0	ug/l	25.0		112	70-130			
,2,4-Trimethylbenzene	22.6	0.50	ug/l	25.0		91	80-120			
,3,5-Trimethylbenzene	23.1	0.50	ug/l	25.0		92	80-130			
Vinyl Acetate	19.7	1.0	ug/l	25.0		79	40-150			
Vinyl chloride	17.4	0.50	ug/l	25.0		70	70-130			
Xylenes, Total	49.7	1.0	ug/l	50.0		99	60-140			
Freon 113	21.4	2.0	ug/l	25.0		85	60-140			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-125*			

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Attention: Jason Hilker

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Report Number: PVC1707

Sampled: 03/22/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
LCS Dup Analyzed: 03/31/2012 (12C1436-BSD1)										N1
Acetone	24.2	10	ug/l	25.0		97	10-150	9	35	
Benzene	22.9	0.50	ug/l	25.0		92	80-120	5	15	
Bromobenzene	29.0	0.50	ug/l	25.0		116	80-120	5	15	
Bromochloromethane	26.3	0.50	ug/l	25.0		105	80-125	3	15	
Bromodichloromethane	23.9	0.50	ug/l	25.0		95	80-120	4	15	
Bromoform	28.5	1.0	ug/l	25.0		114	75-130	5	20	
Bromomethane	25.5	1.0	ug/l	25.0		102	55-150	9	20	
2-Butanone (MEK)	23.7	2.5	ug/l	25.0		95	40-150	2	35	
n-Butylbenzene	23.5	0.50	ug/l	25.0		94	80-130	8	15	
sec-Butylbenzene	25.0	0.50	ug/l	25.0		100	80-125	8	15	
tert-Butylbenzene	26.7	0.50	ug/l	25.0		107	80-120	8	15	
Carbon disulfide	19.8	1.0	ug/l	25.0		79	70-140	5	15	
Carbon tetrachloride	27.0	0.50	ug/l	25.0		108	75-130	6	20	
Chlorobenzene	25.0	0.50	ug/l	25.0		100	80-120	4	15	
Chloroethane	18.5	1.0	ug/l	25.0		74	70-130	7	15	
Chloroform	22.8	0.50	ug/l	25.0		91	75-120	5	15	
Chloromethane	17.3	1.0	ug/l	25.0		69	60-140	4	20	
2-Chlorotoluene	24.4	0.50	ug/l	25.0		97	80-120	5	15	
4-Chlorotoluene	24.9	0.50	ug/l	25.0		100	80-120	6	15	
Dibromochloromethane	25.4	0.50	ug/l	25.0		102	80-120	0.08	15	
1,2-Dibromo-3-chloropropane	21.2	2.5	ug/l	25.0		85	50-150	0.6	35	
1,2-Dibromoethane (EDB)	26.6	0.50	ug/l	25.0		106	80-120	2	15	
Dibromomethane	26.3	0.50	ug/l	25.0		105	75-120	2	15	
1,2-Dichlorobenzene	27.7	0.50	ug/l	25.0		111	80-120	6	15	
1,3-Dichlorobenzene	28.4	0.50	ug/l	25.0		114	80-120	6	15	
1,4-Dichlorobenzene	27.6	0.50	ug/l	25.0		110	80-120	5	15	
Dichlorodifluoromethane	15.8	0.50	ug/l	25.0		63	60-150	4	30	
1,1-Dichloroethane	20.8	0.50	ug/l	25.0		83	70-125	7	15	
1,2-Dichloroethane	24.5	0.50	ug/l	25.0		98	75-130	3	15	
1,1-Dichloroethene	21.5	0.50	ug/l	25.0		86	75-125	8	20	
cis-1,2-Dichloroethene	23.7	0.50	ug/l	25.0		95	80-120	5	15	
trans-1,2-Dichloroethene	23.2	0.50	ug/l	25.0		93	80-120	5	15	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0		89	80-120	5	15	
1,3-Dichloropropane	24.3	0.50	ug/l	25.0		97	80-120	2	15	
2,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	75-130	9	15	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
LCS Dup Analyzed: 03/31/2012 (12C1436-BSD1)										N1
,1-Dichloropropene	23.4	0.50	ug/l	25.0		94	75-120	5	15	
is-1,3-Dichloropropene	23.0	0.50	ug/l	25.0		92	80-120	4	15	
rans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0		91	80-125	2	15	
thylbenzene	24.5	0.50	ug/l	25.0		98	80-120	4	15	
lexachlorobutadiene	25.5	1.0	ug/l	25.0		102	40-150	11	35	
-Hexanone	27.9	2.5	ug/l	25.0		111	20-150	7	35	
odomethane	28.5	2.5	ug/l	25.0		114	80-130	5	10	
sopropylbenzene	28.6	0.50	ug/l	25.0		114	80-130	8	15	
-Isopropyltoluene	25.1	0.50	ug/l	25.0		100	80-130	8	15	
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-120	5	15	
-Methyl-2-pentanone (MIBK)	20.6	2.5	ug/l	25.0		83	60-135	0.5	25	
Methyl-tert-butyl Ether (MTBE)	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Naphthalene	25.5	2.5	ug/l	25.0		102	40-150	6	30	
n-Propylbenzene	26.1	0.50	ug/l	25.0		104	75-130	8	15	
Styrene	25.0	0.50	ug/l	25.0		100	80-120	4	15	
,1,1,2-Tetrachloroethane	26.4	0.50	ug/l	25.0		106	75-125	4	15	
,1,2,2-Tetrachloroethane	26.3	0.50	ug/l	25.0		105	80-120	4	20	
Tetrachloroethene	27.2	0.50	ug/l	25.0		109	70-130	5	20	
Toluene	25.9	0.50	ug/l	25.0		104	80-120	5	15	
,2,3-Trichlorobenzene	26.0	1.0	ug/l	25.0		104	55-150	3	35	
,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	50-150	2	30	
,1,1-Trichloroethane	23.8	0.50	ug/l	25.0		95	75-125	5	15	
,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	80-120	2	15	
Trichloroethene	25.4	0.50	ug/l	25.0		102	80-120	6	15	
Trichlorofluoromethane	26.1	0.50	ug/l	25.0		104	70-150	7	25	
,2,3-Trichloropropane	27.7	1.0	ug/l	25.0		111	70-130	0.8	20	
,2,4-Trimethylbenzene	24.2	0.50	ug/l	25.0		97	80-120	6	15	
,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	80-130	7	15	
Vinyl Acetate	19.6	1.0	ug/l	25.0		79	40-150	0.2	25	
Vinyl chloride	18.4	0.50	ug/l	25.0		74	70-130	5	20	
Xylenes, Total	51.7	1.0	ug/l	50.0		103	60-140	4	15	
Freon 113	22.9	2.0	ug/l	25.0		92	60-140	7	15	
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*95*	*80-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Matrix Spike Analyzed: 03/31/2012 (12C1436-MS1)					**Source: PVC1707-10RE1**					**N1**
Acetone	25.0	10	ug/l	25.0	16.6	34	10-150			
Benzene	27.1	0.50	ug/l	25.0	4.14	92	70-125			
Bromobenzene	29.1	0.50	ug/l	25.0	ND	116	75-120			
Bromochloromethane	27.4	0.50	ug/l	25.0	ND	110	75-130			
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	75-125			
Bromoform	27.7	1.0	ug/l	25.0	ND	111	65-125			
Bromomethane	27.3	1.0	ug/l	25.0	3.44	96	45-150			
2-Butanone (MEK)	38.9	2.5	ug/l	25.0	20.9	72	15-150			
n-Butylbenzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
sec-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-125			
tert-Butylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-125			
Carbon disulfide	28.6	1.0	ug/l	25.0	8.49	80	65-145			
Carbon tetrachloride	27.3	0.50	ug/l	25.0	ND	109	65-135			
Chlorobenzene	25.2	0.50	ug/l	25.0	ND	101	75-120			
Chloroethane	18.3	1.0	ug/l	25.0	ND	73	65-140			
Chloroform	23.3	0.50	ug/l	25.0	ND	93	70-130			
Chloromethane	17.0	1.0	ug/l	25.0	ND	68	55-145			
2-Chlorotoluene	24.2	0.50	ug/l	25.0	ND	97	70-125			
4-Chlorotoluene	24.7	0.50	ug/l	25.0	ND	99	70-125			
Dibromochloromethane	26.5	0.50	ug/l	25.0	ND	106	70-130			
1,2-Dibromo-3-chloropropane	18.1	2.5	ug/l	25.0	ND	73	50-150			
1,2-Dibromoethane (EDB)	28.8	0.50	ug/l	25.0	1.91	108	70-125			
Dibromomethane	27.4	0.50	ug/l	25.0	ND	110	70-120			
1,2-Dichlorobenzene	27.5	0.50	ug/l	25.0	ND	110	75-120			
1,3-Dichlorobenzene	34.0	0.50	ug/l	25.0	5.90	112	75-120			
1,4-Dichlorobenzene	27.3	0.50	ug/l	25.0	5.94	85	70-125			
Dichlorodifluoromethane	16.1	0.50	ug/l	25.0	ND	64	60-150			
1,1-Dichloroethane	21.1	0.50	ug/l	25.0	ND	84	70-130			
1,2-Dichloroethane	31.0	0.50	ug/l	25.0	5.08	104	65-140			
1,1-Dichloroethene	24.9	0.50	ug/l	25.0	3.13	87	70-130			
cis-1,2-Dichloroethene	29.8	0.50	ug/l	25.0	5.50	97	70-125			
trans-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	75-125			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0	ND	89	75-125			
1,3-Dichloropropane	25.4	0.50	ug/l	25.0	ND	102	70-120			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	65-140			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Matrix Spike Analyzed: 03/31/2012 (12C1436-MS1)					**Source: PVC1707-10RE1**					**N1**
,1-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	65-130			
is-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	75-130			
ans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-130			
thylbenzene	32.9	0.50	ug/l	25.0	7.76	101	70-125			
lexachlorobutadiene	24.1	1.0	ug/l	25.0	ND	96	40-150			
-Hexanone	38.6	2.5	ug/l	25.0	18.4	81	20-150			
odomethane	29.1	2.5	ug/l	25.0	ND	116	60-150			
opropylbenzene	27.9	0.50	ug/l	25.0	ND	111	75-130			
-Isopropyltoluene	24.5	0.50	ug/l	25.0	ND	98	70-130			
lethylene Chloride	25.0	1.0	ug/l	25.0	3.56	86	65-130			
-Methyl-2-pentanone (MIBK)	45.0	2.5	ug/l	25.0	23.9	84	55-135			
lethyl-tert-butyl Ether (MTBE)	30.2	0.50	ug/l	25.0	9.08	84	65-140			
laphthalene	22.5	2.5	ug/l	25.0	ND	90	40-150			
-Propylbenzene	25.6	0.50	ug/l	25.0	ND	103	70-130			
tyrene	25.1	0.50	ug/l	25.0	ND	100	55-135			
,1,1,2-Tetrachloroethane	26.7	0.50	ug/l	25.0	ND	107	70-125			
,1,2,2-Tetrachloroethane	25.9	0.50	ug/l	25.0	ND	104	70-125			
etrachloroethene	30.9	0.50	ug/l	25.0	4.40	106	65-130			
oluene	40.3	0.50	ug/l	25.0	14.5	103	70-125			
,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	50-150			
,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150			
,1,1-Trichloroethane	24.0	0.50	ug/l	25.0	ND	96	70-130			
,1,2-Trichloroethane	25.9	0.50	ug/l	25.0	ND	104	75-125			
richloroethene	28.8	0.50	ug/l	25.0	3.61	101	70-125			
richlorofluoromethane	26.6	0.50	ug/l	25.0	ND	106	65-150			
,2,3-Trichloropropane	27.4	1.0	ug/l	25.0	ND	110	70-130			
,2,4-Trimethylbenzene	23.8	0.50	ug/l	25.0	ND	95	70-125			
,3,5-Trimethylbenzene	24.2	0.50	ug/l	25.0	ND	97	75-130			
inyl Acetate	20.3	1.0	ug/l	25.0	ND	81	40-150			
inyl chloride	18.2	0.50	ug/l	25.0	ND	73	60-140			
ylenes, Total	59.4	1.0	ug/l	50.0	6.89	105	75-120			
reon 113	23.5	2.0	ug/l	25.0	ND	94	65-140			
urrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-130*			
urrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*99*	*80-120*			
urrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-125*			

estAmerica Phoenix

ylie Emily
roject Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Matrix Spike Dup Analyzed: 03/31/2012 (12C1436-MSD1)					**Source: PVC1707-10RE1**					**N1**
Acetone	23.0	10	ug/l	25.0	16.6	26	10-150	8	35	
Benzene	26.8	0.50	ug/l	25.0	4.14	91	70-125	1	25	
Bromobenzene	29.1	0.50	ug/l	25.0	ND	116	75-120	0.07	20	
Bromochloromethane	26.8	0.50	ug/l	25.0	ND	107	75-130	2	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	75-125	0	20	
Bromoform	27.5	1.0	ug/l	25.0	ND	110	65-125	0.7	25	
Bromomethane	26.4	1.0	ug/l	25.0	3.44	92	45-150	3	35	
2-Butanone (MEK)	37.0	2.5	ug/l	25.0	20.9	65	15-150	5	30	
n-Butylbenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.5	30	
sec-Butylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-125	2	30	
tert-Butylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-125	2	25	
Carbon disulfide	27.3	1.0	ug/l	25.0	8.49	75	65-145	5	25	
Carbon tetrachloride	26.5	0.50	ug/l	25.0	ND	106	65-135	3	25	
Chlorobenzene	24.9	0.50	ug/l	25.0	ND	99	75-120	1	20	
Chloroethane	17.6	1.0	ug/l	25.0	ND	70	65-140	4	25	
Chloroform	22.4	0.50	ug/l	25.0	ND	90	70-130	4	20	
Chloromethane	16.6	1.0	ug/l	25.0	ND	66	55-145	2	35	
2-Chlorotoluene	23.8	0.50	ug/l	25.0	ND	95	70-125	1	25	
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-125	1	25	
Dibromochloromethane	26.3	0.50	ug/l	25.0	ND	105	70-130	0.7	20	
1,2-Dibromo-3-chloropropane	19.2	2.5	ug/l	25.0	ND	77	50-150	6	30	
1,2-Dibromoethane (EDB)	28.4	0.50	ug/l	25.0	1.91	106	70-125	2	20	
Dibromomethane	27.0	0.50	ug/l	25.0	ND	108	70-120	2	20	
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0	ND	109	75-120	1	20	
1,3-Dichlorobenzene	33 6	0.50	ug/l	25.0	5.90	111	75-120	1	25	
1,4-Dichlorobenzene	27.1	0.50	ug/l	25.0	5.94	85	70-125	0.7	20	
Dichlorodifluoromethane	15.2	0.50	ug/l	25.0	ND	61	60-150	5	30	
1,1-Dichloroethane	20.4	0.50	ug/l	25.0	ND	82	70-130	3	20	
1,2-Dichloroethane	29.9	0.50	ug/l	25.0	5.08	99	65-140	3	20	
1,1-Dichloroethene	23.9	0.50	ug/l	25.0	3.13	83	70-130	4	25	
cis-1,2-Dichloroethene	28.9	0.50	ug/l	25.0	5.50	94	70-125	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0	ND	91	75-125	4	25	
1,2-Dichloropropane	22.5	0.50	ug/l	25.0	ND	90	75-125	0.5	20	
1,3-Dichloropropane	25.0	0.50	ug/l	25.0	ND	100	70-120	2	20	
2,2-Dichloropropane	23.7	1.0	ug/l	25.0	ND	95	65-140	0.9	25	

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1436 Extracted: 03/31/12										
Matrix Spike Dup Analyzed: 03/31/2012 (12C1436-MSD1)					**Source: PVC1707-10RE1**					**N1**
,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	65-130	0.3	25	
is-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	95	75-130	0.1	20	
rans-1,3-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Ethylbenzene	32.1	0.50	ug/l	25.0	7.76	97	70-125	3	25	
Iexachlorobutadiene	24.3	1.0	ug/l	25.0	ND	97	40-150	1	30	
-Hexanone	37.3	2.5	ug/l	25.0	18.4	75	20-150	3	30	
odomethane	27.9	2.5	ug/l	25.0	ND	112	60-150	4	30	
sopropylbenzene	27.4	0.50	ug/l	25.0	ND	109	75-130	2	25	
-Isopropyltoluene	24.2	0.50	ug/l	25.0	ND	97	70-130	1	30	
Methylene Chloride	23.9	1.0	ug/l	25.0	3.56	81	65-130	5	20	
-Methyl-2-pentanone (MIBK)	43.2	2.5	ug/l	25.0	23.9	77	55-135	4	25	
Methyl-tert-butyl Ether (MTBE)	29.2	0.50	ug/l	25.0	9.08	80	65-140	3	25	
Naphthalene	23.6	2.5	ug/l	25.0	ND	94	40-150	5	30	
-Propylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130	2	30	
Styrene	25.1	0.50	ug/l	25.0	ND	100	55-135	0.04	35	
,1,1,2-Tetrachloroethane	26.0	0.50	ug/l	25.0	ND	104	70-125	3	20	
,1,2,2-Tetrachloroethane	24.9	0.50	ug/l	25.0	ND	100	70-125	4	25	
Tetrachloroethene	30.5	0.50	ug/l	25.0	4.40	104	65-130	1	25	
Toluene	39.9	0.50	ug/l	25.0	14.5	102	70-125	0.9	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	4	35	
1,2,4-Trichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	50-150	4	25	
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	3	25	
1,1,2-Trichloroethane	25.8	0.50	ug/l	25.0	ND	103	75-125	0.4	20	
Trichloroethene	28.6	0.50	ug/l	25.0	3.61	100	70-125	0.7	25	
Trichlorofluoromethane	25.0	0.50	ug/l	25.0	ND	100	65-150	6	25	
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0	ND	107	70-130	3	25	
1,2,4-Trimethylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-125	1	30	
1,3,5-Trimethylbenzene	23.7	0.50	ug/l	25.0	ND	95	75-130	2	25	
Vinyl Acetate	19.4	1.0	ug/l	25.0	ND	78	40-150	5	30	
Vinyl chloride	17.6	0.50	ug/l	25.0	ND	70	60-140	4	25	
Xylenes, Total	58.7	1.0	ug/l	50.0	6.89	104	75-120	1	15	
Freon 113	22.4	2.0	ug/l	25.0	ND	89	65-140	5	20	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1226 Extracted: 03/27/12										
Blank Analyzed: 03/30/2012 (12C1226-BLK1)										**N1**
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.4*		*ug/l*	*20.0*		*77*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*23.0*		*ug/l*	*20.0*		*115*	*59.9-120*			
LCS Analyzed: 03/30/2012 (12C1226-BS1)										**Q8, N1**
1,4-Dioxane	20.1	1.0	ug/l	20.0		100	80-120			
Surrogate: 1,4-Dioxane-d8	*13.8*		*ug/l*	*20.0*		*69*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.4*		*ug/l*	*20.0*		*107*	*38-125*			
LCS Dup Analyzed: 03/30/2012 (12C1226-BSD1)										**Q8, N1**
1,4-Dioxane	19.7	1.0	ug/l	20.0		99	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*23.0*		*ug/l*	*20.0*		*115*	*38-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1707

Sampled: 03/22/12
Received: 03/22/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

PVC1707

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 428-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale AZ 85251

Project/PO Number:
OU3
0090498.032

Project Manager:
jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler:
adam nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	1,4 Dioxane 8270	MS/MSD						Special Instructions
EW-19D-D-032212	W	3x40mL 2x1L	5	3/22/12	0830	HCl/-	X	X							-01
EW-19S-S-032212	W	3x40mL 2x1L	5	3/22/12	0945	HCl/-	X	X							-02
OU3-2M-M-032212	W	3x40mL 2x1L	5	3/22/12	1053	HCl/-	X	X	*ADH						-03
OU3-2M-M-032212-MS/MSD	W	3x40mL 2x1L	5	3/22/12	1053	HCl/-	X	X	X						-04
OU3-20S-S-032212	W	3x40mL 2x1L	5	3/22/12	1312	HCl/-	X	X	*ADH						-05
OU3-20S-S-032212-MS/MSD	W	3x40mL 2x1L	5	3/22/12	1312	HCl/-	X	X	X						-06
OU3-20M-M-032212	W	3x40mL 2x1L	5	3/22/12	1545	HCl/-	X	X							-07
GW-EB7-032212	W	3x40mL	3	3/22/12	1546	HCl	X								-08
GW-LI-1-032212	W	1x40mL	1	3/22/12	-	HCl	X								-09 Trip Blank
GW-Z1-1-032212	W	3x40mL	3	3/22/12	0944	HCl	X								-10

Relinquished By:	Date/Time:	Received By:	Date/Time:
ERM	3/22 1645		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time: 3/22/12 1645

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
Intact ____ on ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.10 13°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/23/12
Received: 03/23/12
Issued: 04/06/12 14:38

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1784-01	OU3-17S-S-032312	Water
PVC1784-02	OU3-13D-D-032312	Water
PVC1784-03	OU3-13M-M-032312	Water
PVC1784-04	EW-22S-S-032312	Water
PVC1784-05	EW-22S-S-032312-Q1	Water
PVC1784-06	GW-EB8-032312	Water
PVC1784-07	GW-L1-1-032312	Water

TestAmerica Phoenix

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

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice 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/N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-Carbon Tetrachloride Only-The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Carbon Tetrachloride. All associated samples are non-detect for this compound and therefore should not be impacted.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

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Project Manager

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Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-01 (OU3-17S-S-032312 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3, N1a
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	**6.9**	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	**0.57**	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Report Number: PVC1784

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-01 (OU3-17S-S-032312 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Iodomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Isopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Methylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Naphthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Styrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Tetrachloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Toluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichloroethene	EPA 8260B	12D0137	0.50	**2.5**	1	4/4/2012	4/4/2012	
Trichlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, M1
1,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Vinyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Vinyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Xylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Freon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*96 %*				

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Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-02 (OU3-13D-D-032312 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-02 (OU3-13D-D-032312 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Iodomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Isopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
p-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Methylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Naphthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Styrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Tetrachloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Toluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Vinyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Vinyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Xylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Freon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
Surrogate: Dibromofluoromethane (80-130%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*96 %*				

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Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-03 (OU3-13M-M-032312 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	**1.7**	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-03 (OU3-13M-M-032312 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Iodomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Isopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Methylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Naphthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Styrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Tetrachloroethene	EPA 8260B	12D0137	0.50	**0.56**	1	4/4/2012	4/4/2012	
Toluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichloroethene	EPA 8260B	12D0137	0.50	**20**	1	4/4/2012	4/4/2012	
Trichlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
1,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Vinyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Vinyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Xylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Freon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
Surrogate: Dibromofluoromethane (80-130%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*99 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-04 (EW-22S-S-032312 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	**2.5**	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	**0.57**	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	**2.0**	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	**1.2**	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	**3.9**	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-04 (EW-22S-S-032312 - Water) - cont.								N1a
Reporting Units: ug/l								
!-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
odomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
sopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Aethylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Japhthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tyrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
etrachloroethene	EPA 8260B	12D0137	0.50	1.2	1	4/4/2012	4/4/2012	
oluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
richloroethene	EPA 8260B	12D0137	0.50	25	1	4/4/2012	4/4/2012	
richlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
inyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
inyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
ylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
reon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
urrogate: Dibromofluoromethane (80-130%)				*113 %*				
urrogate: Toluene-d8 (80-120%)				*94 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*98 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-05 (EW-22S-S-032312-Q1 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	**2.3**	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	**1.9**	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	**1.9**	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	**3.7**	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1784-05 (EW-22S-S-032312-Q1 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
odomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
sopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Aethylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Japhthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Styrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Tetrachloroethene	EPA 8260B	12D0137	0.50	0.99	1	4/4/2012	4/4/2012	
Toluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichloroethene	EPA 8260B	12D0137	0.50	23	1	4/4/2012	4/4/2012	
Trichlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Vinyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Vinyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Xylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Freon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*93 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-06 (GW-EB8-032312 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	**2.6**	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	**4.6**	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	**1.5**	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1784-06 (GW-EB8-032312 - Water) - cont.								N1a
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
odomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
sopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Methylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Naphthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Styrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Tetrachloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Toluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Trichlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Vinyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Vinyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Xylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Freon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
Surrogate: Dibromofluoromethane (80-130%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*92 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032

Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-07 (GW-L1-1-032312 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1784-07 (GW-L1-1-032312 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
odomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
sopropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Aethylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Japhthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tyrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
etrachloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
oluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
richloroethene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
richlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
inyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
inyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
ylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
reon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
urrogate: Dibromofluoromethane (80-130%)				*108 %*				
urrogate: Toluene-d8 (80-120%)				*98 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*97 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Blank Analyzed: 04/04/2012 (12D0137-BLK1)										**N1a**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							*N1b*
Carbon tetrachloride	ND	0.50	ug/l							*V1*
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1784-01 (OU3-17S-S-032312 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*71 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*118 %*				
Sample ID: PVC1784-02 (OU3-13D-D-032312 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*74 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*118 %*				
Sample ID: PVC1784-03 (OU3-13M-M-032312 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*70 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*116 %*				
Sample ID: PVC1784-04 (EW-22S-S-032312 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1226	1.0	ND	1	3/27/2012	3/30/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*71 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*118 %*				
Sample ID: PVC1784-05 (EW-22S-S-032312-Q1 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	ND	1	3/28/2012	3/31/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*74 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*113 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Blank Analyzed: 04/04/2012 (12D0137-BLK1)										N1a
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1 0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							*V1*
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							*N1b*
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-125*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Analyzed: 04/04/2012 (12D0137-BS1)										N1a
Acetone	26.4	10	ug/l	25.0		105	10-150			
Benzene	24.4	0.50	ug/l	25.0		97	80-120			
Bromobenzene	27.6	0.50	ug/l	25.0		110	80-120			
Bromochloromethane	21.8	0.50	ug/l	25.0		87	80-125			
Bromodichloromethane	28.7	0.50	ug/l	25.0		115	80-120			
Bromoform	22.6	1.0	ug/l	25.0		90	75-130			
Bromomethane	26.0	1.0	ug/l	25.0		104	55-150			
2-Butanone (MEK)	20.2	2.5	ug/l	25.0		81	40-150			
n-Butylbenzene	28.5	0.50	ug/l	25.0		114	80-130			
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	80-125			
tert-Butylbenzene	29.8	0.50	ug/l	25.0		119	80-120			
Carbon disulfide	24.4	1.0	ug/l	25.0		98	70-140			*N1b*
Carbon tetrachloride	34.8	0.50	ug/l	25.0		139	75-130			*V1, L3*
Chlorobenzene	26.0	0.50	ug/l	25.0		104	80-120			
Chloroethane	24.2	1.0	ug/l	25.0		97	70-130			
Chloroform	25.0	0.50	ug/l	25.0		100	75-120			
Chloromethane	24.2	1.0	ug/l	25.0		97	60-140			
2-Chlorotoluene	28.3	0.50	ug/l	25.0		113	80-120			
4-Chlorotoluene	28.4	0.50	ug/l	25.0		114	80-120			
Dibromochloromethane	26.1	0.50	ug/l	25.0		104	80-120			
1,2-Dibromo-3-chloropropane	31.7	2.5	ug/l	25.0		127	50-150			
1,2-Dibromoethane (EDB)	24.9	0.50	ug/l	25.0		100	80-120			
Dibromomethane	24.4	0.50	ug/l	25.0		97	75-120			
1,2-Dichlorobenzene	25.7	0.50	ug/l	25.0		103	80-120			
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		108	80-120			
1,4-Dichlorobenzene	25.9	0.50	ug/l	25.0		104	80-120			
Dichlorodifluoromethane	31.3	0.50	ug/l	25.0		125	60-150			
1,1-Dichloroethane	23.5	0.50	ug/l	25.0		94	70-125			
1,2-Dichloroethane	27.5	0.50	ug/l	25.0		110	75-130			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	75-125			
cis-1,2-Dichloroethene	22.6	0.50	ug/l	25.0		91	80-120			
trans-1,2-Dichloroethene	23.8	0.50	ug/l	25.0		95	80-120			
1,2-Dichloropropane	22.6	0.50	ug/l	25.0		90	80-120			
1,3-Dichloropropane	24.6	0.50	ug/l	25.0		98	80-120			
2,2-Dichloropropane	30.1	1.0	ug/l	25.0		120	75-130			

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Kylie Emily
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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Analyzed: 04/04/2012 (12D0137-BS1)										N1a
1,1-Dichloropropene	28.0	0.50	ug/l	25.0		112	75-120			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	80-120			
trans-1,3-Dichloropropene	22.9	0.50	ug/l	25.0		92	80-125			
Ethylbenzene	29.6	0.50	ug/l	25.0		119	80-120			
Hexachlorobutadiene	31.6	1.0	ug/l	25.0		127	40-150			
2-Hexanone	26.1	2.5	ug/l	25.0		104	20-150			
Iodomethane	28.0	2.5	ug/l	25.0		112	80-130			
Isopropylbenzene	31.9	0.50	ug/l	25.0		128	80-130			
p-Isopropyltoluene	29.1	0.50	ug/l	25.0		116	80-130			
Methylene Chloride	20.5	1.0	ug/l	25.0		82	70-120			
4-Methyl-2-pentanone (MIBK)	21.6	2.5	ug/l	25.0		87	60-135			
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130			
Naphthalene	27.1	2.5	ug/l	25.0		108	40-150			
n-Propylbenzene	29.7	0.50	ug/l	25.0		119	75-130			
Styrene	28.2	0.50	ug/l	25.0		113	80-120			
1,1,1,2-Tetrachloroethane	29.0	0.50	ug/l	25.0		116	75-125			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0		88	80-120			
Tetrachloroethene	30.0	0.50	ug/l	25.0		120	70-130			
Toluene	25.4	0.50	ug/l	25.0		102	80-120			
1,2,3-Trichlorobenzene	27.6	1 0	ug/l	25.0		110	55-150			
1,2,4-Trichlorobenzene	28.6	1.0	ug/l	25.0		114	50-150			
1,1,1-Trichloroethane	30.3	0.50	ug/l	25.0		121	75-125			
1,1,2-Trichloroethane	21.8	0.50	ug/l	25.0		87	80-120			
Trichloroethene	27.0	0.50	ug/l	25.0		108	80-120			
Trichlorofluoromethane	36.2	0.50	ug/l	25.0		145	70-150			*V1*
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0		102	70-130			
1,2,4-Trimethylbenzene	29.2	0.50	ug/l	25.0		117	80-120			
1,3,5-Trimethylbenzene	29.5	0.50	ug/l	25.0		118	80-130			
Vinyl Acetate	22.5	1.0	ug/l	25.0		90	40-150			*N1b*
Vinyl chloride	28.5	0.50	ug/l	25.0		114	70-130			
Xylenes, Total	55.8	1 0	ug/l	50.0		112	60-140			
Freon 113	27.0	2.0	ug/l	25.0		108	60-140			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*30.7*		*ug/l*	*25.0*		*123*	*80-125*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

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Report Number: PVC1784

Sampled: 03/23/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Dup Analyzed: 04/04/2012 (12D0137-BSD1)										**N1a**
Acetone	29.9	10	ug/l	25.0		120	10-150	13	35	
Benzene	24.6	0.50	ug/l	25.0		98	80-120	0.9	15	
Bromobenzene	27.3	0.50	ug/l	25.0		109	80-120	0.9	15	
Bromochloromethane	22.6	0.50	ug/l	25.0		90	80-125	4	15	
Bromodichloromethane	29.3	0.50	ug/l	25.0		117	80-120	2	15	
Bromoform	23.9	1.0	ug/l	25.0		96	75-130	6	20	
Bromomethane	25.7	1.0	ug/l	25.0		103	55-150	1	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		86	40-150	7	35	
n-Butylbenzene	27.9	0.50	ug/l	25.0		112	80-130	2	15	
sec-Butylbenzene	26.6	0.50	ug/l	25.0		107	80-125	5	15	
tert-Butylbenzene	29.3	0.50	ug/l	25.0		117	80-120	1	15	
Carbon disulfide	23.9	1.0	ug/l	25.0		96	70-140	2	15	*N1b*
Carbon tetrachloride	35.7	0.50	ug/l	25.0		143	75-130	3	20	*V1, L3*
Chlorobenzene	25.8	0.50	ug/l	25.0		103	80-120	0.8	15	
Chloroethane	23.2	1.0	ug/l	25.0		93	70-130	4	15	
Chloroform	25.3	0.50	ug/l	25.0		101	75-120	1	15	
Chloromethane	24.3	1.0	ug/l	25.0		97	60-140	0.5	20	
2-Chlorotoluene	27.1	0.50	ug/l	25.0		108	80-120	4	15	
4-Chlorotoluene	27.9	0.50	ug/l	25.0		112	80-120	2	15	
Dibromochloromethane	27.2	0.50	ug/l	25.0		109	80-120	4	15	
1,2-Dibromo-3-chloropropane	32.9	2.5	ug/l	25.0		131	50-150	4	35	
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0		107	80-120	7	15	
Dibromomethane	26.2	0.50	ug/l	25.0		105	75-120	7	15	
1,2-Dichlorobenzene	25.8	0.50	ug/l	25.0		103	80-120	0.6	15	
1,3-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	80-120	4	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	80-120	3	15	
Dichlorodifluoromethane	31.8	0.50	ug/l	25.0		127	60-150	2	30	
1,1-Dichloroethane	23.4	0.50	ug/l	25.0		94	70-125	0.5	15	
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		113	75-130	3	15	
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	75-125	0.1	20	
cis-1,2-Dichloroethene	23.1	0.50	ug/l	25.0		92	80-120	2	15	
trans-1,2-Dichloroethene	23.8	0.50	ug/l	25.0		95	80-120	0.2	15	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	80-120	4	15	
1,3-Dichloropropane	26.0	0.50	ug/l	25.0		104	80-120	6	15	
2,2-Dichloropropane	29.6	1.0	ug/l	25.0		119	75-130	2	15	

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Dup Analyzed: 04/04/2012 (12D0137-BSD1)										**N1a**
1,1-Dichloropropene	28.6	0.50	ug/l	25.0		114	75-120	2	15	
cis-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	80-120	7	15	
trans-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	80-125	8	15	
Ethylbenzene	29.8	0.50	ug/l	25.0		119	80-120	0.7	15	
Hexachlorobutadiene	31.2	1.0	ug/l	25.0		125	40-150	1	35	
2-Hexanone	30.8	2.5	ug/l	25.0		123	20-150	16	35	
Iodomethane	27.4	2.5	ug/l	25.0		110	80-130	2	10	
Isopropylbenzene	30.6	0.50	ug/l	25.0		122	80-130	4	15	
p-Isopropyltoluene	27.8	0.50	ug/l	25.0		111	80-130	5	15	
Methylene Chloride	21.5	1.0	ug/l	25.0		86	70-120	5	15	
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	60-135	17	25	
Methyl-tert-butyl Ether (MTBE)	22.8	0.50	ug/l	25.0		91	70-130	8	20	
Naphthalene	27.6	2.5	ug/l	25.0		111	40-150	2	30	
n-Propylbenzene	28.7	0.50	ug/l	25.0		115	75-130	3	15	
Styrene	27.9	0.50	ug/l	25.0		112	80-120	1	15	
1,1,1,2-Tetrachloroethane	30.2	0.50	ug/l	25.0		121	75-125	4	15	
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	80-120	11	20	
Tetrachloroethene	28.6	0.50	ug/l	25.0		115	70-130	5	20	
Toluene	26.4	0.50	ug/l	25.0		106	80-120	4	15	
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	55-150	0.3	35	
1,2,4-Trichlorobenzene	27.7	1.0	ug/l	25.0		111	50-150	3	30	
1,1,1-Trichloroethane	30.4	0.50	ug/l	25.0		122	75-125	0.3	15	
1,1,2-Trichloroethane	24.3	0.50	ug/l	25.0		97	80-120	11	15	
Trichloroethene	28.0	0.50	ug/l	25.0		112	80-120	4	15	
Trichlorofluoromethane	35.8	0.50	ug/l	25.0		143	70-150	1	25	*V1*
1,2,3-Trichloropropane	28.3	1.0	ug/l	25.0		113	70-130	11	20	
1,2,4-Trimethylbenzene	28.5	0.50	ug/l	25.0		114	80-120	2	15	
1,3,5-Trimethylbenzene	28.5	0.50	ug/l	25.0		114	80-130	4	15	
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	40-150	13	25	*N1b*
Vinyl chloride	28.4	0.50	ug/l	25.0		114	70-130	0.3	20	
Xylenes, Total	55.3	1.0	ug/l	50.0		111	60-140	1	15	
Freon 113	26.2	2.0	ug/l	25.0		105	60-140	3	15	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Analyzed: 04/04/2012 (12D0137-MS1)					Source: PVC1784-01					N1a
Acetone	20.5	10	ug/l	25.0	ND	82	10-150			
Benzene	24.2	0.50	ug/l	25.0	0.140	96	70-125			
Bromobenzene	25 8	0.50	ug/l	25.0	ND	103	75-120			
Bromochloromethane	22.1	0.50	ug/l	25.0	ND	88	75-130			
Bromodichloromethane	29.2	0.50	ug/l	25.0	ND	117	75-125			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	65-125			
Bromomethane	26.2	1.0	ug/l	25.0	ND	105	45-150			
2-Butanone (MEK)	16.9	2.5	ug/l	25.0	ND	68	15-150			
n-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-130			
sec-Butylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-125			
tert-Butylbenzene	30.3	0.50	ug/l	25.0	ND	121	70-125			
Carbon disulfide	24.5	1.0	ug/l	25.0	ND	98	65-145			*N1b*
Carbon tetrachloride	37.0	0.50	ug/l	25.0	ND	148	65-135			*V1, N1a*
Chlorobenzene	25.8	0.50	ug/l	25.0	ND	103	75-120			
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	65-140			
Chloroform	33.3	0.50	ug/l	25.0	6.94	105	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	55-145			
2-Chlorotoluene	28.6	0.50	ug/l	25.0	ND	114	70-125			
4-Chlorotoluene	28.8	0.50	ug/l	25.0	ND	115	70-125			
Dibromochloromethane	27.4	0.50	ug/l	25.0	0.570	107	70-130			
1,2-Dibromo-3-chloropropane	30.1	2.5	ug/l	25.0	ND	120	50-150			
1,2-Dibromoethane (EDB)	24.1	0.50	ug/l	25.0	ND	96	70-125			
Dibromomethane	24.7	0.50	ug/l	25.0	ND	99	70-120			
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0	ND	102	75-120			
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0	ND	107	75-120			
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	100	70-125			
Dichlorodifluoromethane	31.0	0.50	ug/l	25.0	ND	124	60-150			
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	0.380	96	70-130			
1,2-Dichloroethane	29.3	0.50	ug/l	25.0	ND	117	65-140			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	0.320	106	70-130			
cis-1,2-Dichloroethene	22.8	0.50	ug/l	25.0	0.220	90	70-125			
trans-1,2-Dichloroethene	25.0	0.50	ug/l	25.0	ND	100	75-125			
1,2-Dichloropropane	21.5	0.50	ug/l	25.0	ND	86	75-125			
1,3-Dichloropropane	24.6	0.50	ug/l	25.0	ND	98	70-120			
2,2-Dichloropropane	31.2	1.0	ug/l	25.0	ND	125	65-140			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Analyzed: 04/04/2012 (12D0137-MS1)					**Source: PVC1784-01**					**N1a**
1,1-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	65-130			
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0	ND	90	70-130			
Ethylbenzene	29.5	0.50	ug/l	25.0	ND	118	70-125			
Hexachlorobutadiene	32.5	1.0	ug/l	25.0	ND	130	40-150			
2-Hexanone	19.5	2.5	ug/l	25.0	ND	78	20-150			
Iodomethane	27.8	2.5	ug/l	25.0	ND	111	60-150			
Isopropylbenzene	32.1	0.50	ug/l	25.0	ND	128	75-130			
p-Isopropyltoluene	29.0	0.50	ug/l	25.0	ND	116	70-130			
Methylene Chloride	22.0	1.0	ug/l	25.0	ND	88	65-130			
4-Methyl-2-pentanone (MIBK)	19.3	2.5	ug/l	25.0	ND	77	55-135			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	65-140			
Naphthalene	23.8	2.5	ug/l	25.0	ND	95	40-150			
n-Propylbenzene	30.5	0.50	ug/l	25.0	0.230	121	70-130			
Styrene	26.1	0.50	ug/l	25.0	ND	104	55-135			
1,1,1,2-Tetrachloroethane	29.9	0.50	ug/l	25.0	ND	120	70-125			
1,1,2,2-Tetrachloroethane	24.0	0.50	ug/l	25.0	ND	96	70-125			
Tetrachloroethene	28.8	0.50	ug/l	25.0	0.400	114	65-130			
Toluene	25.2	0.50	ug/l	25.0	ND	101	70-125			
1,2,3-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	50-150			
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	50-150			
1,1,1-Trichloroethane	32.0	0.50	ug/l	25.0	ND	128	70-130			
1,1,2-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	75-125			
Trichloroethene	29.8	0.50	ug/l	25.0	2.49	109	70-125			
Trichlorofluoromethane	40.4	0.50	ug/l	25.0	0.480	160	65-150			*V1, M1*
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0	ND	100	70-130			
1,2,4-Trimethylbenzene	29.1	0.50	ug/l	25.0	ND	116	70-125			
1,3,5-Trimethylbenzene	30.3	0.50	ug/l	25.0	ND	121	75-130			
Vinyl Acetate	21.6	1.0	ug/l	25.0	ND	86	40-150			*N1b*
Vinyl chloride	26.4	0.50	ug/l	25.0	ND	105	60-140			
Xylenes, Total	55.0	1.0	ug/l	50.0	ND	110	75-120			
Freon 113	28.9	2.0	ug/l	25.0	ND	115	65-140			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.5*		*ug/l*	*25.0*		*118*	*80-125*			

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Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Dup Analyzed: 04/04/2012 (12D0137-MSD1)					**Source: PVC1784-01**					**N1a**
Acetone	16.9	10	ug/l	25.0	ND	68	10-150	19	35	
Benzene	24.8	0.50	ug/l	25.0	0.140	99	70-125	2	25	
Bromobenzene	25.1	0.50	ug/l	25.0	ND	100	75-120	3	20	
Bromochloromethane	21.7	0.50	ug/l	25.0	ND	87	75-130	2	20	
Bromodichloromethane	29.1	0.50	ug/l	25.0	ND	116	75-125	0.4	20	
Bromoform	19 8	1.0	ug/l	25.0	ND	79	65-125	17	25	
Bromomethane	26.8	1.0	ug/l	25.0	ND	107	45-150	2	35	
2-Butanone (MEK)	14.9	2.5	ug/l	25.0	ND	60	15-150	13	30	
n-Butylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130	3	30	
sec-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-125	3	30	
tert-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-125	5	25	
Carbon disulfide	24.9	1.0	ug/l	25.0	ND	100	65-145	2	25	*N1b*
Carbon tetrachloride	36.6	0.50	ug/l	25.0	ND	146	65-135	1	25	*V1, N1a*
Chlorobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	4	20	
Chloroethane	24.1	1.0	ug/l	25.0	ND	97	65-140	2	25	
Chloroform	32.6	0.50	ug/l	25.0	6.94	103	70-130	2	20	
Chloromethane	23.0	1.0	ug/l	25.0	ND	92	55-145	4	35	
2-Chlorotoluene	27.8	0.50	ug/l	25.0	ND	111	70-125	3	25	
4-Chlorotoluene	28.0	0.50	ug/l	25.0	ND	112	70-125	3	25	
Dibromochloromethane	24.8	0.50	ug/l	25.0	0.570	97	70-130	10	20	
1,2-Dibromo-3-chloropropane	24.3	2.5	ug/l	25.0	ND	97	50-150	21	30	
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0	ND	89	70-125	9	20	
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-120	6	20	
1,2-Dichlorobenzene	23.3	0.50	ug/l	25.0	ND	93	75-120	9	20	
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0	ND	100	75-120	7	25	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-125	3	20	
Dichlorodifluoromethane	30.7	0.50	ug/l	25.0	ND	123	60-150	0.7	30	
1,1-Dichloroethane	24.2	0.50	ug/l	25.0	0.380	95	70-130	1	20	
1,2-Dichloroethane	27.2	0.50	ug/l	25.0	ND	109	65-140	7	20	
1,1-Dichloroethene	25.8	0.50	ug/l	25.0	0.320	102	70-130	4	25	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0	0.220	88	70-125	2	20	
trans-1,2-Dichloroethene	23.3	0.50	ug/l	25.0	ND	93	75-125	7	25	
1,2-Dichloropropane	22.4	0.50	ug/l	25.0	ND	90	75-125	4	20	
1,3-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	70-120	6	20	
2,2-Dichloropropane	30.6	1.0	ug/l	25.0	ND	122	65-140	2	25	

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Project Manager

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Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Dup Analyzed: 04/04/2012 (12D0137-MSD1)					**Source: PVC1784-01**					**N1a**
1,1-Dichloropropene	28.6	0.50	ug/l	25.0	ND	114	65-130	5	25	
cis-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	75-130	1	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0	ND	87	70-130	3	20	
Ethylbenzene	29.1	0.50	ug/l	25.0	ND	116	70-125	1	25	
Hexachlorobutadiene	30.8	1.0	ug/l	25.0	ND	123	40-150	5	30	
2-Hexanone	16 0	2.5	ug/l	25.0	ND	64	20-150	20	30	
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	60-150	2	30	
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	75-130	4	25	
p-Isopropyltoluene	28.6	0.50	ug/l	25.0	ND	114	70-130	1	30	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	65-130	3	20	
4-Methyl-2-pentanone (MIBK)	16.8	2.5	ug/l	25.0	ND	67	55-135	14	25	
Methyl-tert-butyl Ether (MTBE)	20 1	0.50	ug/l	25.0	ND	81	65-140	10	25	
Naphthalene	19.0	2.5	ug/l	25.0	ND	76	40-150	23	30	
n-Propylbenzene	29.3	0.50	ug/l	25.0	0.230	116	70-130	4	30	
Styrene	25.8	0.50	ug/l	25.0	ND	103	55-135	1	35	
1,1,1,2-Tetrachloroethane	29.0	0.50	ug/l	25.0	ND	116	70-125	3	20	
1,1,2,2-Tetrachloroethane	20.1	0.50	ug/l	25.0	ND	81	70-125	17	25	
Tetrachloroethene	28.9	0.50	ug/l	25.0	0.400	114	65-130	0.5	25	
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125	4	20	
1,2,3-Trichlorobenzene	22.2	1.0	ug/l	25.0	ND	89	50-150	14	35	
1,2,4-Trichlorobenzene	23.1	1.0	ug/l	25.0	ND	92	50-150	11	25	
1,1,1-Trichloroethane	31.2	0.50	ug/l	25.0	ND	125	70-130	3	25	
1,1,2-Trichloroethane	20.3	0.50	ug/l	25.0	ND	81	75-125	10	20	
Trichloroethene	30.6	0.50	ug/l	25.0	2.49	112	70-125	3	25	
Trichlorofluoromethane	38.5	0.50	ug/l	25.0	0.480	152	65-150	5	25	*V1, M1*
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130	12	25	
1,2,4-Trimethylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-125	4	30	
1,3,5-Trimethylbenzene	28.7	0.50	ug/l	25.0	ND	115	75-130	5	25	
Vinyl Acetate	19.1	1.0	ug/l	25.0	ND	76	40-150	13	30	*N1b*
Vinyl chloride	26.5	0.50	ug/l	25.0	ND	106	60-140	0.6	25	
Xylenes, Total	53.3	1.0	ug/l	50.0	ND	107	75-120	3	15	
Freon 113	27.7	2.0	ug/l	25.0	ND	111	65-140	4	20	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.3*		*ug/l*	*25.0*		*117*	*80-125*			

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1226 Extracted: 03/27/12										
Blank Analyzed: 03/30/2012 (12C1226-BLK1)										N1a
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.4*		*ug/l*	*20.0*		*77*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*23.0*		*ug/l*	*20.0*		*115*	*59.9-120*			
LCS Analyzed: 03/30/2012 (12C1226-BS1)										Q8, N1
1,4-Dioxane	20.1	1.0	ug/l	20.0		100	80-120			
Surrogate: 1,4-Dioxane-d8	*13.8*		*ug/l*	*20.0*		*69*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.4*		*ug/l*	*20.0*		*107*	*38-125*			
LCS Dup Analyzed: 03/30/2012 (12C1226-BSD1)										Q8, N1
1,4-Dioxane	19.7	1.0	ug/l	20.0		99	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*23.0*		*ug/l*	*20.0*		*115*	*38-125*			
Batch: 12C1285 Extracted: 03/28/12										
Blank Analyzed: 03/31/2012 (12C1285-BLK1)										N1a
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.8*		*ug/l*	*20.0*		*69*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*59.9-120*			
LCS Analyzed: 03/31/2012 (12C1285-BS1)										N1a
1,4-Dioxane	18.9	1.0	ug/l	20.0		94	80-120			
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*22.3*		*ug/l*	*20.0*		*111*	*38-125*			
LCS Dup Analyzed: 03/31/2012 (12C1285-BSD1)										N1a
1,4-Dioxane	19.3	1.0	ug/l	20.0		96	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*14.3*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*21.1*		*ug/l*	*20.0*		*106*	*38-125*			

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Kylie Emily
Project Manager

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Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1285 Extracted: 03/28/12										
Matrix Spike Analyzed: 03/31/2012 (12C1285-MS1)					**Source: PVC1873-04**					**N1a**
1,4-Dioxane	19.9	1.0	ug/l	20.0	0.290	98	70-130			
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*36-81*			
Surrogate: Nitrobenzene-d5	*22.5*		*ug/l*	*20.0*		*112*	*59-120*			
Matrix Spike Dup Analyzed: 03/31/2012 (12C1285-MSD1)					**Source: PVC1873-04**					**N1a**
1,4-Dioxane	20.2	1.0	ug/l	20.0	0.290	99	70-130	1	25	
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*36-81*			
Surrogate: Nitrobenzene-d5	*23.6*		*ug/l*	*20.0*		*118*	*59-120*			

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Project Manager

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Attention: Jason Hilker

Project ID: OU3 0096498.032

Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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.ylie Emily
roject Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1784

Sampled: 03/23/12
Received: 03/23/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PVC1784

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM 7272 E Indian School Rd #100 Scottsdale, AZ 85251	Project/PO Number: 003 0096498.032
Project Manager: jason.kilker@erm.com	Phone Number: 480-998-2401
Sampler: adam nagle	Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4-Dioxane 8270	Special Instructions
003-17s-s-032312	W	3x40mL 2x1L	5	3/23/12	0852	HCl/-	X	X	-01
003-13D-D-032312	W	3x40mL 2x1L	5	3/23/12	1039	HCl/-	X	X	-02
003-13M-M-032312	W	3x40mL 2x1L	5	3/23/12	1039	HCl/-	X	X	-03
EW-22s-s-032312	W	3x40mL 2x1L	5	3/23/12	1312	HCl/-	X	X	-04
EW-22s-s-032312-Q1	W	3x40mL 2x1L	5	3/23/12	1312	HCl/-	X	X	-05
GW-EB8-032312	W	3x40mL	3	3/23/12	1313	HCl	X		-06
GW-LI-1-032312	W	1x40mL	1	3/23/12	-	HCl	X		-07 Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM/ERM	3/23 1515			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/23/12 1515	Intact Y	on ice Y

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

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LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.032

Sampled: 03/23/12
Received: 03/23/12
Issued: 04/06/12 14:21

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1785-01	OU3-19M-M-032312	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice 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.

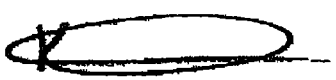
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-Carbon Tetrachloride only-The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Carbon Tetrachloride. All associated samples are non-detect for this compound and therefore should not be impacted.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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Kylie Emily
Project Manager

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1785-01 (OU3-19M-M-032312 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0137	10	ND	1	4/4/2012	4/4/2012	
Benzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromodichloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Bromoform	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Bromomethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Butanone (MEK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
n-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
sec-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tert-Butylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Carbon disulfide	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Chloroethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
Chloroform	EPA 8260B	12D0137	0.50	1.2	1	4/4/2012	4/4/2012	
Chloromethane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
2-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
4-Chlorotoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromochloromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
1,2-Dibromoethane (EDB)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dibromomethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Dichlorodifluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethane	EPA 8260B	12D0137	0.50	7.4	1	4/4/2012	4/4/2012	
1,2-Dichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,1-Dichloroethene	EPA 8260B	12D0137	0.50	7.5	1	4/4/2012	4/4/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	11	1	4/4/2012	4/4/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0137	0.50	0.55	1	4/4/2012	4/4/2012	
1,2-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
1,3-Dichloropropane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
2,2-Dichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
1,1-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Ethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
Hexachlorobutadiene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1785-01 (OU3-19M-M-032312 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
odomethane	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
opropylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
-Isopropyltoluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
lethylene Chloride	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
lethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
aphthalene	EPA 8260B	12D0137	2.5	ND	1	4/4/2012	4/4/2012	
-Propylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
tyrene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
etrachloroethene	EPA 8260B	12D0137	0.50	2.4	1	4/4/2012	4/4/2012	
oluene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,1,1-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,1,2-Trichloroethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
richloroethene	EPA 8260B	12D0137	0.50	59	1	4/4/2012	4/4/2012	
richlorofluoromethane	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	V1
,2,3-Trichloropropane	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
inyl Acetate	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	N1b
inyl chloride	EPA 8260B	12D0137	0.50	ND	1	4/4/2012	4/4/2012	
ylenes, Total	EPA 8260B	12D0137	1.0	ND	1	4/4/2012	4/4/2012	
reon 113	EPA 8260B	12D0137	2.0	ND	1	4/4/2012	4/4/2012	
urrogate: Dibromofluoromethane (80-130%)				*114 %*				
urrogate: Toluene-d8 (80-120%)				*98 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*97 %*				

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ylie Emily
roject Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1785-01 (OU3-19M-M-032312 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	**2.5**	1	3/28/2012	3/31/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*73 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*111 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Blank Analyzed: 04/04/2012 (12D0137-BLK1)										N1a
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							*N1b*
Carbon tetrachloride	ND	0.50	ug/l							*V1*
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Blank Analyzed: 04/04/2012 (12D0137-BLK1)										N1a
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							*V1*
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							*N1b*
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-125*			

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Report Number: PVC1785

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Analyzed: 04/04/2012 (12D0137-BS1)										N1a
Acetone	26.4	10	ug/l	25.0		105	10-150			
Benzene	24.4	0.50	ug/l	25.0		97	80-120			
Bromobenzene	27.6	0.50	ug/l	25.0		110	80-120			
Bromochloromethane	21.8	0.50	ug/l	25.0		87	80-125			
Bromodichloromethane	28.7	0.50	ug/l	25.0		115	80-120			
Bromoform	22.6	1.0	ug/l	25.0		90	75-130			
Bromomethane	26.0	1.0	ug/l	25.0		104	55-150			
2-Butanone (MEK)	20.2	2.5	ug/l	25.0		81	40-150			
n-Butylbenzene	28.5	0.50	ug/l	25.0		114	80-130			
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	80-125			
tert-Butylbenzene	29.8	0.50	ug/l	25.0		119	80-120			
Carbon disulfide	24.4	1.0	ug/l	25.0		98	70-140			*N1b*
Carbon tetrachloride	34.8	0.50	ug/l	25.0		139	75-130			*V1, L3*
Chlorobenzene	26.0	0.50	ug/l	25.0		104	80-120			
Chloroethane	24.2	1.0	ug/l	25.0		97	70-130			
Chloroform	25.0	0.50	ug/l	25.0		100	75-120			
Chloromethane	24.2	1.0	ug/l	25.0		97	60-140			
2-Chlorotoluene	28.3	0.50	ug/l	25.0		113	80-120			
4-Chlorotoluene	28.4	0.50	ug/l	25.0		114	80-120			
Dibromochloromethane	26.1	0.50	ug/l	25.0		104	80-120			
1,2-Dibromo-3-chloropropane	31.7	2.5	ug/l	25.0		127	50-150			
1,2-Dibromoethane (EDB)	24.9	0.50	ug/l	25.0		100	80-120			
Dibromomethane	24.4	0.50	ug/l	25.0		97	75-120			
1,2-Dichlorobenzene	25.7	0.50	ug/l	25.0		103	80-120			
1,3-Dichlorobenzene	27.1	0.50	ug/l	25.0		108	80-120			
1,4-Dichlorobenzene	25.9	0.50	ug/l	25.0		104	80-120			
Dichlorodifluoromethane	31.3	0.50	ug/l	25.0		125	60-150			
1,1-Dichloroethane	23.5	0.50	ug/l	25.0		94	70-125			
1,2-Dichloroethane	27.5	0.50	ug/l	25.0		110	75-130			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	75-125			
cis-1,2-Dichloroethene	22.6	0.50	ug/l	25.0		91	80-120			
trans-1,2-Dichloroethene	23.8	0.50	ug/l	25.0		95	80-120			
1,2-Dichloropropane	22.6	0.50	ug/l	25.0		90	80-120			
1,3-Dichloropropane	24.6	0.50	ug/l	25.0		98	80-120			
2,2-Dichloropropane	30.1	1.0	ug/l	25.0		120	75-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Analyzed: 04/04/2012 (12D0137-BS1)										**N1a**
1,1-Dichloropropene	28.0	0.50	ug/l	25.0		112	75-120			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	80-120			
trans-1,3-Dichloropropene	22.9	0.50	ug/l	25.0		92	80-125			
Ethylbenzene	29.6	0.50	ug/l	25.0		119	80-120			
Hexachlorobutadiene	31.6	1.0	ug/l	25.0		127	40-150			
2-Hexanone	26.1	2.5	ug/l	25.0		104	20-150			
Iodomethane	28.0	2.5	ug/l	25.0		112	80-130			
Isopropylbenzene	31.9	0.50	ug/l	25.0		128	80-130			
p-Isopropyltoluene	29.1	0.50	ug/l	25.0		116	80-130			
Methylene Chloride	20.5	1.0	ug/l	25.0		82	70-120			
4-Methyl-2-pentanone (MIBK)	21.6	2.5	ug/l	25.0		87	60-135			
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130			
Naphthalene	27.1	2.5	ug/l	25.0		108	40-150			
n-Propylbenzene	29.7	0.50	ug/l	25.0		119	75-130			
Styrene	28.2	0.50	ug/l	25.0		113	80-120			
1,1,1,2-Tetrachloroethane	29.0	0.50	ug/l	25.0		116	75-125			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0		88	80-120			
Tetrachloroethene	30.0	0.50	ug/l	25.0		120	70-130			
Toluene	25.4	0.50	ug/l	25.0		102	80-120			
1,2,3-Trichlorobenzene	27.6	1.0	ug/l	25.0		110	55-150			
1,2,4-Trichlorobenzene	28.6	1.0	ug/l	25.0		114	50-150			
1,1,1-Trichloroethane	30.3	0.50	ug/l	25.0		121	75-125			
1,1,2-Trichloroethane	21.8	0.50	ug/l	25.0		87	80-120			
Trichloroethene	27.0	0.50	ug/l	25.0		108	80-120			
Trichlorofluoromethane	36.2	0.50	ug/l	25.0		145	70-150			*V1*
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0		102	70-130			
1,2,4-Trimethylbenzene	29.2	0.50	ug/l	25.0		117	80-120			
1,3,5-Trimethylbenzene	29.5	0.50	ug/l	25.0		118	80-130			
Vinyl Acetate	22.5	1.0	ug/l	25.0		90	40-150			*N1b*
Vinyl chloride	28.5	0.50	ug/l	25.0		114	70-130			
Xylenes, Total	55.8	1.0	ug/l	50.0		112	60-140			
Freon 113	27.0	2.0	ug/l	25.0		108	60-140			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*30.7*		*ug/l*	*25.0*		*123*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Dup Analyzed: 04/04/2012 (12D0137-BSD1)										**N1a**
Acetone	29.9	10	ug/l	25.0		120	10-150	13	35	
Benzene	24.6	0.50	ug/l	25.0		98	80-120	0.9	15	
Bromobenzene	27.3	0.50	ug/l	25.0		109	80-120	0.9	15	
Bromochloromethane	22.6	0.50	ug/l	25.0		90	80-125	4	15	
Bromodichloromethane	29.3	0.50	ug/l	25.0		117	80-120	2	15	
Bromoform	23.9	1.0	ug/l	25.0		96	75-130	6	20	
Bromomethane	25.7	1.0	ug/l	25.0		103	55-150	1	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		86	40-150	7	35	
n-Butylbenzene	27.9	0.50	ug/l	25.0		112	80-130	2	15	
sec-Butylbenzene	26.6	0.50	ug/l	25.0		107	80-125	5	15	
tert-Butylbenzene	29.3	0.50	ug/l	25.0		117	80-120	1	15	
Carbon disulfide	23.9	1.0	ug/l	25.0		96	70-140	2	15	*N1b*
Carbon tetrachloride	35.7	0.50	ug/l	25.0		143	75-130	3	20	*V1, L3*
Chlorobenzene	25.8	0.50	ug/l	25.0		103	80-120	0.8	15	
Chloroethane	23.2	1.0	ug/l	25.0		93	70-130	4	15	
Chloroform	25.3	0.50	ug/l	25.0		101	75-120	1	15	
Chloromethane	24.3	1.0	ug/l	25.0		97	60-140	0.5	20	
2-Chlorotoluene	27.1	0.50	ug/l	25.0		108	80-120	4	15	
4-Chlorotoluene	27.9	0.50	ug/l	25.0		112	80-120	2	15	
Dibromochloromethane	27.2	0.50	ug/l	25.0		109	80-120	4	15	
1,2-Dibromo-3-chloropropane	32.9	2.5	ug/l	25.0		131	50-150	4	35	
1,2-Dibromoethane (EDB)	26.8	0.50	ug/l	25.0		107	80-120	7	15	
Dibromomethane	26.2	0.50	ug/l	25.0		105	75-120	7	15	
1,2-Dichlorobenzene	25.8	0.50	ug/l	25.0		103	80-120	0.6	15	
1,3-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	80-120	4	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	80-120	3	15	
Dichlorodifluoromethane	31.8	0.50	ug/l	25.0		127	60-150	2	30	
1,1-Dichloroethane	23.4	0.50	ug/l	25.0		94	70-125	0.5	15	
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		113	75-130	3	15	
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	75-125	0.1	20	
cis-1,2-Dichloroethene	23.1	0.50	ug/l	25.0		92	80-120	2	15	
trans-1,2-Dichloroethene	23.8	0.50	ug/l	25.0		95	80-120	0.2	15	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	80-120	4	15	
1,3-Dichloropropane	26.0	0.50	ug/l	25.0		104	80-120	6	15	
2,2-Dichloropropane	29.6	1.0	ug/l	25.0		119	75-130	2	15	

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Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
LCS Dup Analyzed: 04/04/2012 (12D0137-BSD1)										N1a
1,1-Dichloropropene	28.6	0.50	ug/l	25.0		114	75-120	2	15	
cis-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	80-120	7	15	
trans-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	80-125	8	15	
Ethylbenzene	29.8	0.50	ug/l	25.0		119	80-120	0.7	15	
Hexachlorobutadiene	31.2	1.0	ug/l	25.0		125	40-150	1	35	
2-Hexanone	30.8	2.5	ug/l	25.0		123	20-150	16	35	
Iodomethane	27.4	2.5	ug/l	25.0		110	80-130	2	10	
Isopropylbenzene	30.6	0.50	ug/l	25.0		122	80-130	4	15	
p-Isopropyltoluene	27.8	0.50	ug/l	25.0		111	80-130	5	15	
Methylene Chloride	21.5	1.0	ug/l	25.0		86	70-120	5	15	
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	60-135	17	25	
Methyl-tert-butyl Ether (MTBE)	22.8	0.50	ug/l	25.0		91	70-130	8	20	
Naphthalene	27.6	2.5	ug/l	25.0		111	40-150	2	30	
n-Propylbenzene	28.7	0.50	ug/l	25.0		115	75-130	3	15	
Styrene	27.9	0.50	ug/l	25.0		112	80-120	1	15	
1,1,1,2-Tetrachloroethane	30.2	0.50	ug/l	25.0		121	75-125	4	15	
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	80-120	11	20	
Tetrachloroethene	28.6	0.50	ug/l	25.0		115	70-130	5	20	
Toluene	26.4	0.50	ug/l	25.0		106	80-120	4	15	
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	55-150	0.3	35	
1,2,4-Trichlorobenzene	27.7	1.0	ug/l	25.0		111	50-150	3	30	
1,1,1-Trichloroethane	30.4	0.50	ug/l	25.0		122	75-125	0.3	15	
1,1,2-Trichloroethane	24.3	0.50	ug/l	25.0		97	80-120	11	15	
Trichloroethene	28.0	0.50	ug/l	25.0		112	80-120	4	15	
Trichlorofluoromethane	35.8	0.50	ug/l	25.0		143	70-150	1	25	*V1*
1,2,3-Trichloropropane	28.3	1.0	ug/l	25.0		113	70-130	11	20	
1,2,4-Trimethylbenzene	28.5	0.50	ug/l	25.0		114	80-120	2	15	
1,3,5-Trimethylbenzene	28.5	0.50	ug/l	25.0		114	80-130	4	15	
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	40-150	13	25	*N1b*
Vinyl chloride	28.4	0.50	ug/l	25.0		114	70-130	0.3	20	
Xylenes, Total	55.3	1.0	ug/l	50.0		111	60-140	1	15	
Freon 113	26.2	2.0	ug/l	25.0		105	60-140	3	15	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-130*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Analyzed: 04/04/2012 (12D0137-MS1)					**Source: PVC1784-01**					**N1a**
Acetone	20.5	10	ug/l	25.0	ND	82	10-150			
Benzene	24.2	0.50	ug/l	25.0	0.140	96	70-125			
Bromobenzene	25.8	0.50	ug/l	25.0	ND	103	75-120			
Bromochloromethane	22.1	0.50	ug/l	25.0	ND	88	75-130			
Bromodichloromethane	29.2	0.50	ug/l	25.0	ND	117	75-125			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	65-125			
Bromomethane	26.2	1.0	ug/l	25.0	ND	105	45-150			
2-Butanone (MEK)	16.9	2.5	ug/l	25.0	ND	68	15-150			
n-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-130			
sec-Butylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-125			
tert-Butylbenzene	30.3	0.50	ug/l	25.0	ND	121	70-125			
Carbon disulfide	24.5	1.0	ug/l	25.0	ND	98	65-145			*N1b*
Carbon tetrachloride	37.0	0.50	ug/l	25.0	ND	148	65-135			*V1, N1a*
Chlorobenzene	25.8	0.50	ug/l	25.0	ND	103	75-120			
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	65-140			
Chloroform	33.3	0.50	ug/l	25.0	6.94	105	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	55-145			
2-Chlorotoluene	28.6	0.50	ug/l	25.0	ND	114	70-125			
4-Chlorotoluene	28.8	0.50	ug/l	25.0	ND	115	70-125			
Dibromochloromethane	27.4	0.50	ug/l	25.0	0.570	107	70-130			
1,2-Dibromo-3-chloropropane	30.1	2.5	ug/l	25.0	ND	120	50-150			
1,2-Dibromoethane (EDB)	24.1	0.50	ug/l	25.0	ND	96	70-125			
Dibromomethane	24.7	0.50	ug/l	25.0	ND	99	70-120			
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0	ND	102	75-120			
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0	ND	107	75-120			
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	100	70-125			
Dichlorodifluoromethane	31.0	0.50	ug/l	25.0	ND	124	60-150			
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	0.380	96	70-130			
1,2-Dichloroethane	29.3	0.50	ug/l	25.0	ND	117	65-140			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	0.320	106	70-130			
cis-1,2-Dichloroethene	22.8	0.50	ug/l	25.0	0.220	90	70-125			
trans-1,2-Dichloroethene	25.0	0.50	ug/l	25.0	ND	100	75-125			
1,2-Dichloropropane	21.5	0.50	ug/l	25.0	ND	86	75-125			
1,3-Dichloropropane	24.6	0.50	ug/l	25.0	ND	98	70-120			
2,2-Dichloropropane	31.2	1.0	ug/l	25.0	ND	125	65-140			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Analyzed: 04/04/2012 (12D0137-MS1)					**Source: PVC1784-01**					**N1a**
1,1-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	65-130			
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0	ND	90	70-130			
Ethylbenzene	29.5	0.50	ug/l	25.0	ND	118	70-125			
Hexachlorobutadiene	32.5	1.0	ug/l	25.0	ND	130	40-150			
2-Hexanone	19.5	2.5	ug/l	25.0	ND	78	20-150			
Iodomethane	27.8	2.5	ug/l	25.0	ND	111	60-150			
Isopropylbenzene	32.1	0.50	ug/l	25.0	ND	128	75-130			
p-Isopropyltoluene	29.0	0.50	ug/l	25.0	ND	116	70-130			
Methylene Chloride	22.0	1.0	ug/l	25.0	ND	88	65-130			
4-Methyl-2-pentanone (MIBK)	19.3	2.5	ug/l	25.0	ND	77	55-135			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	65-140			
Naphthalene	23.8	2.5	ug/l	25.0	ND	95	40-150			
n-Propylbenzene	30.5	0.50	ug/l	25.0	0.230	121	70-130			
Styrene	26.1	0.50	ug/l	25.0	ND	104	55-135			
1,1,1,2-Tetrachloroethane	29.9	0.50	ug/l	25.0	ND	120	70-125			
1,1,2,2-Tetrachloroethane	24.0	0.50	ug/l	25.0	ND	96	70-125			
Tetrachloroethene	28.8	0.50	ug/l	25.0	0.400	114	65-130			
Toluene	25.2	0.50	ug/l	25.0	ND	101	70-125			
1,2,3-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	50-150			
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	50-150			
1,1,1-Trichloroethane	32.0	0.50	ug/l	25.0	ND	128	70-130			
1,1,2-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	75-125			
Trichloroethene	29.8	0.50	ug/l	25.0	2.49	109	70-125			
Trichlorofluoromethane	40.4	0.50	ug/l	25.0	0.480	160	65-150			*V1, M1*
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0	ND	100	70-130			
1,2,4-Trimethylbenzene	29.1	0.50	ug/l	25.0	ND	116	70-125			
1,3,5-Trimethylbenzene	30.3	0.50	ug/l	25.0	ND	121	75-130			
Vinyl Acetate	21.6	1.0	ug/l	25.0	ND	86	40-150			*N1b*
Vinyl chloride	26.4	0.50	ug/l	25.0	ND	105	60-140			
Xylenes, Total	55.0	1.0	ug/l	50.0	ND	110	75-120			
Freon 113	28.9	2.0	ug/l	25.0	ND	115	65-140			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.5*		*ug/l*	*25.0*		*118*	*80-125*			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Dup Analyzed: 04/04/2012 (12D0137-MSD1)					**Source: PVC1784-01**					**N1a**
Acetone	16.9	10	ug/l	25.0	ND	68	10-150	19	35	
Benzene	24.8	0.50	ug/l	25.0	0.140	99	70-125	2	25	
Bromobenzene	25.1	0.50	ug/l	25.0	ND	100	75-120	3	20	
Bromochloromethane	21.7	0.50	ug/l	25.0	ND	87	75-130	2	20	
Bromodichloromethane	29.1	0.50	ug/l	25.0	ND	116	75-125	0.4	20	
Bromoform	19.8	1.0	ug/l	25.0	ND	79	65-125	17	25	
Bromomethane	26.8	1.0	ug/l	25.0	ND	107	45-150	2	35	
2-Butanone (MEK)	14.9	2.5	ug/l	25.0	ND	60	15-150	13	30	
n-Butylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130	3	30	
sec-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-125	3	30	
tert-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-125	5	25	
Carbon disulfide	24.9	1.0	ug/l	25.0	ND	100	65-145	2	25	*N1b*
Carbon tetrachloride	36.6	0.50	ug/l	25.0	ND	146	65-135	1	25	*V1, N1a*
Chlorobenzene	24.8	0.50	ug/l	25.0	ND	99	75-120	4	20	
Chloroethane	24.1	1.0	ug/l	25.0	ND	97	65-140	2	25	
Chloroform	32.6	0.50	ug/l	25.0	6.94	103	70-130	2	20	
Chloromethane	23.0	1.0	ug/l	25.0	ND	92	55-145	4	35	
2-Chlorotoluene	27.8	0.50	ug/l	25.0	ND	111	70-125	3	25	
4-Chlorotoluene	28.0	0.50	ug/l	25.0	ND	112	70-125	3	25	
Dibromochloromethane	24.8	0.50	ug/l	25.0	0.570	97	70-130	10	20	
1,2-Dibromo-3-chloropropane	24.3	2.5	ug/l	25.0	ND	97	50-150	21	30	
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0	ND	89	70-125	9	20	
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-120	6	20	
1,2-Dichlorobenzene	23.3	0.50	ug/l	25.0	ND	93	75-120	9	20	
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0	ND	100	75-120	7	25	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-125	3	20	
Dichlorodifluoromethane	30.7	0.50	ug/l	25.0	ND	123	60-150	0.7	30	
1,1-Dichloroethane	24.2	0.50	ug/l	25.0	0.380	95	70-130	1	20	
1,2-Dichloroethane	27.2	0.50	ug/l	25.0	ND	109	65-140	7	20	
1,1-Dichloroethene	25.8	0.50	ug/l	25.0	0.320	102	70-130	4	25	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0	0.220	88	70-125	2	20	
trans-1,2-Dichloroethene	23.3	0.50	ug/l	25.0	ND	93	75-125	7	25	
2,2-Dichloropropane	22.4	0.50	ug/l	25.0	ND	90	75-125	4	20	
1,3-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	70-120	6	20	
2,2-Dichloropropane	30.6	1.0	ug/l	25.0	ND	122	65-140	2	25	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0137 Extracted: 04/04/12										
Matrix Spike Dup Analyzed: 04/04/2012 (12D0137-MSD1)					**Source: PVC1784-01**					N1a
1,1-Dichloropropene	28.6	0.50	ug/l	25.0	ND	114	65-130	5	25	
cis-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	75-130	1	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0	ND	87	70-130	3	20	
Ethylbenzene	29.1	0.50	ug/l	25.0	ND	116	70-125	1	25	
Hexachlorobutadiene	30.8	1.0	ug/l	25.0	ND	123	40-150	5	30	
2-Hexanone	16.0	2.5	ug/l	25.0	ND	64	20-150	20	30	
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	60-150	2	30	
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	75-130	4	25	
p-Isopropyltoluene	28.6	0.50	ug/l	25.0	ND	114	70-130	1	30	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	65-130	3	20	
4-Methyl-2-pentanone (MIBK)	16.8	2.5	ug/l	25.0	ND	67	55-135	14	25	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	81	65-140	10	25	
Naphthalene	19.0	2.5	ug/l	25.0	ND	76	40-150	23	30	
n-Propylbenzene	29.3	0.50	ug/l	25.0	0.230	116	70-130	4	30	
Styrene	25.8	0.50	ug/l	25.0	ND	103	55-135	1	35	
1,1,1,2-Tetrachloroethane	29.0	0.50	ug/l	25.0	ND	116	70-125	3	20	
1,1,2,2-Tetrachloroethane	20.1	0.50	ug/l	25.0	ND	81	70-125	17	25	
Tetrachloroethene	28.9	0.50	ug/l	25.0	0.400	114	65-130	0.5	25	
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125	4	20	
1,2,3-Trichlorobenzene	22.2	1.0	ug/l	25.0	ND	89	50-150	14	35	
1,2,4-Trichlorobenzene	23.1	1.0	ug/l	25.0	ND	92	50-150	11	25	
1,1,1-Trichloroethane	31.2	0.50	ug/l	25.0	ND	125	70-130	3	25	
1,1,2-Trichloroethane	20.3	0.50	ug/l	25.0	ND	81	75-125	10	20	
Trichloroethene	30.6	0.50	ug/l	25.0	2.49	112	70-125	3	25	
Trichlorofluoromethane	38.5	0.50	ug/l	25.0	0.480	152	65-150	5	25	*V1, M1*
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130	12	25	
1,2,4-Trimethylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-125	4	30	
1,3,5-Trimethylbenzene	28.7	0.50	ug/l	25.0	ND	115	75-130	5	25	
Vinyl Acetate	19.1	1.0	ug/l	25.0	ND	76	40-150	13	30	*N1b*
Vinyl chloride	26.5	0.50	ug/l	25.0	ND	106	60-140	0.6	25	
Xylenes, Total	53.3	1.0	ug/l	50.0	ND	107	75-120	3	15	
Freon 113	27.7	2.0	ug/l	25.0	ND	111	65-140	4	20	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.3*		*ug/l*	*25.0*		*117*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1285 Extracted: 03/28/12										
Blank Analyzed: 03/31/2012 (12C1285-BLK1)										N1a
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.8*		*ug/l*	*20.0*		*69*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*59.9-120*			
LCS Analyzed: 03/31/2012 (12C1285-BS1)										N1a
1,4-Dioxane	18.9	1.0	ug/l	20.0		94	80-120			
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*32-57*			*SI0*
Surrogate: Nitrobenzene-d5	*22.3*		*ug/l*	*20.0*		*111*	*38-125*			
LCS Dup Analyzed: 03/31/2012 (12C1285-BSD1)										N1a
1,4-Dioxane	19.3	1.0	ug/l	20.0		96	80-120	2	25	
Surrogate: 1,4-Dioxane-d8	*14.3*		*ug/l*	*20.0*		*71*	*32-57*			*SI0*
Surrogate: Nitrobenzene-d5	*21.1*		*ug/l*	*20.0*		*106*	*38-125*			
Matrix Spike Analyzed: 03/31/2012 (12C1285-MS1)					**Source: PVC1873-04**					N1a
1,4-Dioxane	19.9	1.0	ug/l	20.0	0.290	98	70-130			
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*36-81*			
Surrogate: Nitrobenzene-d5	*22.5*		*ug/l*	*20.0*		*112*	*59-120*			
Matrix Spike Dup Analyzed: 03/31/2012 (12C1285-MSD1)					**Source: PVC1873-04**					N1a
1,4-Dioxane	20.2	1.0	ug/l	20.0	0.290	99	70-130	1	25	
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*36-81*			
Surrogate: Nitrobenzene-d5	*23.6*		*ug/l*	*20.0*		*118*	*59-120*			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.032
Report Number: PVC1785

Sampled: 03/23/12
Received: 03/23/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable.
N1	See case narrative.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Sampled: 03/23/12
Received: 03/23/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PVC 1785

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale, AZ 85251

Project/PO Number:
OV3
0096998.032

Project Manager:
jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler:
adam nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4 Dioxane 8270	Special Instructions
OV3-19M-M-032312	W	3x40mL 2x1L	5	3/23/12	0810	HCl	X	X	Level IV
~~OV3-19S-S-032312~~	~~W~~	3x40mL 2x1L	~~5~~	~~3/23/12~~	~~0852~~	~~HCl~~ DUP			

Relinquished By: ERM / IERM — Date/Time: 3/23 1515 — Received By: — Date/Time:

Relinquished By: — Date/Time: — Received By: — Date/Time:

Relinquished By: — Date/Time: — Received In Lab By: — Date/Time: 3/27/12 0515

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
Intact X on ice X

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.9°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3/0096498.032

Sampled: 03/26/12
Received: 03/26/12
Issued: 04/09/12 16:19

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1873-01	OU3-11M2-M-032612	Water
PVC1873-02	OU3-11M-M-032612	Water
PVC1873-03	OU3-11S-S-032612	Water
PVC1873-04	BE-MW-8-S-032612	Water
PVC1873-06	GW-EB9-032612	Water
PVC1873-07	GW-L1-1-032612	Water

TestAmerica Phoenix

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

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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.

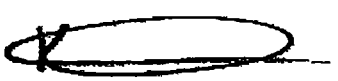
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a- 1,1,1-Trichloroethane-The Laboratory Control Sample Duplicate as well as the Matrix Spike recovered high and outside of acceptance limits for 1,1,1-Trichloroethane. All associated samples are non-detect for this compound and therefore should not be impacted.
N1a- Carbon Tetrachloride and Trichlorofluoromethane-The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Carbon Tetrachloride and Trichlorofluoromethane. All associated samples are non-detect for these compounds and therefore should not be impacted.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-01 (OU3-11M2-M-032612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-01 (OU3-11M2-M-032612 - Water) - cont.								N1a
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
odomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
sopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*101 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-02 (OU3-11M-M-032612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-02 (OU3-11M-M-032612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Iodomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Isopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
4-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*105 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-03 (OU3-11S-S-032612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	**0.64**	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	**0.51**	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-03 (OU3-11S-S-032612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
odomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
sopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Aethylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Japhthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	0.79	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*104 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-04 (BE-MW-8-S-032612 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3, N1a
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	**0.50**	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1873-04 (BE-MW-8-S-032612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
odomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
sopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tyrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
etrachloroethene	EPA 8260B	12D0176	0.50	**6.2**	1	4/5/2012	4/5/2012	
oluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3, N1a
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3, N1a
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
inyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
inyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
reon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
urrogate: Dibromofluoromethane (80-130%)				*107 %*				
urrogate: Toluene-d8 (80-120%)				*102 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*101 %*				

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ylie Emily
roject Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-06 (GW-EB9-032612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	**2.6**	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	**3.5**	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	**1.6**	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1873-06 (GW-EB9-032612 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
odomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
sopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Aethylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Aethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Japhthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tyrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
etrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
oluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
inyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
inyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
reon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
urrogate: Dibromofluoromethane (80-130%)				*111 %*				
urrogate: Toluene-d8 (80-120%)				*100 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*103 %*				

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-07 (GW-L1-1-032612 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1873-07 (GW-L1-1-032612 - Water) - cont.								N1a
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
odomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
opropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
lethylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
lethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
laphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tyrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
etrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
oluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
inyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
inyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
reon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
urrogate: Dibromofluoromethane (80-130%)				*110 %*				
urrogate: Toluene-d8 (80-120%)				*99 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*106 %*				

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ylie Emily
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1873-01 (OU3-11M2-M-032612 - Water)								N1a
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	ND	1	3/28/2012	4/4/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*70 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*84 %*				
Sample ID: PVC1873-02 (OU3-11M-M-032612 - Water)								N1a
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	ND	1	3/28/2012	4/4/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*73 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*87 %*				
Sample ID: PVC1873-03 (OU3-11S-S-032612 - Water)								N1a
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	ND	1	3/28/2012	3/31/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*74 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*111 %*				
Sample ID: PVC1873-04 (BE-MW-8-S-032612 - Water)								N1a
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1285	1.0	ND	1	3/28/2012	3/31/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*75 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*110 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										N1a
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							*N1b*
Carbon tetrachloride	ND	0.50	ug/l							*V1*
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										**N1a**
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							*N1b*
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										**N1a**
Acetone	27.4	10	ug/l	25.0		110	10-150			
Benzene	25.2	0.50	ug/l	25.0		101	80-120			
Bromobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Bromochloromethane	21.7	0.50	ug/l	25.0		87	80-125			
Bromodichloromethane	28.7	0.50	ug/l	25.0		115	80-120			
Bromoform	23.6	1.0	ug/l	25.0		94	75-130			
Bromomethane	26.0	1.0	ug/l	25.0		104	55-150			
2-Butanone (MEK)	18.5	2.5	ug/l	25.0		74	40-150			
n-Butylbenzene	28.5	0.50	ug/l	25.0		114	80-130			
sec-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-125			
tert-Butylbenzene	30.8	0.50	ug/l	25.0		123	80-120			*L3*
Carbon disulfide	24.0	1.0	ug/l	25.0		96	70-140			*N1b*
Carbon tetrachloride	37.7	0.50	ug/l	25.0		151	75-130			*V1, L3*
Chlorobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Chloroethane	24.2	1.0	ug/l	25.0		97	70-130			
Chloroform	25.4	0.50	ug/l	25.0		102	75-120			
Chloromethane	25.0	1.0	ug/l	25.0		100	60-140			
2-Chlorotoluene	28.6	0.50	ug/l	25.0		114	80-120			
4-Chlorotoluene	29.1	0.50	ug/l	25.0		116	80-120			
Dibromochloromethane	25.8	0.50	ug/l	25.0		103	80-120			
1,2-Dibromo-3-chloropropane	30.0	2.5	ug/l	25.0		120	50-150			*V1*
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0		96	80-120			
Dibromomethane	25.8	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	80-120			
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
1,4-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120			
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150			
1,1-Dichloroethane	24.3	0.50	ug/l	25.0		97	70-125			
1,2-Dichloroethane	27.2	0.50	ug/l	25.0		109	75-130			
1,1-Dichloroethene	26.7	0.50	ug/l	25.0		107	75-125			
cis-1,2-Dichloroethene	22.0	0.50	ug/l	25.0		88	80-120			
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120			
1,2-Dichloropropane	21.8	0.50	ug/l	25.0		87	80-120			
1,3-Dichloropropane	24.0	0.50	ug/l	25.0		96	80-120			
2,2-Dichloropropane	30.8	1.0	ug/l	25.0		123	75-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										**N1a**
1,1-Dichloropropene	26.8	0.50	ug/l	25.0		107	75-120			
cis-1,3-Dichloropropene	24.4	0.50	ug/l	25.0		98	80-120			
trans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0		88	80-125			
Ethylbenzene	29.6	0.50	ug/l	25.0		118	80-120			
Hexachlorobutadiene	31.0	1.0	ug/l	25.0		124	40-150			
2-Hexanone	23.3	2.5	ug/l	25.0		93	20-150			
Iodomethane	27.3	2.5	ug/l	25.0		109	80-130			
Isopropylbenzene	32.7	0.50	ug/l	25.0		131	80-130			*L3*
p-Isopropyltoluene	28.8	0.50	ug/l	25.0		115	80-130			
Methylene Chloride	20.9	1.0	ug/l	25.0		83	70-120			
4-Methyl-2-pentanone (MIBK)	21.4	2.5	ug/l	25.0		86	60-135			
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25.0		82	70-130			
Naphthalene	23.8	2.5	ug/l	25.0		95	40-150			
n-Propylbenzene	30.9	0.50	ug/l	25.0		124	75-130			
Styrene	27.1	0.50	ug/l	25.0		108	80-120			
1,1,1,2-Tetrachloroethane	29.6	0.50	ug/l	25.0		118	75-125			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	80-120			
Tetrachloroethene	30.1	0.50	ug/l	25.0		120	70-130			
Toluene	26.2	0.50	ug/l	25 0		105	80-120			
1,2,3-Trichlorobenzene	25.4	1.0	ug/l	25.0		101	55-150			
1,2,4-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	50-150			
1,1,1-Trichloroethane	32.0	0.50	ug/l	25.0		128	75-125			*L3*
1,1,2-Trichloroethane	21.7	0.50	ug/l	25.0		87	80-120			
Trichloroethene	27.9	0.50	ug/l	25.0		112	80-120			
Trichlorofluoromethane	38.0	0.50	ug/l	25.0		152	70-150			*L3*
1,2,3-Trichloropropane	27.7	1.0	ug/l	25.0		111	70-130			
1,2,4-Trimethylbenzene	29.0	0.50	ug/l	25.0		116	80-120			
1,3,5-Trimethylbenzene	30.2	0.50	ug/l	25.0		121	80-130			
Vinyl Acetate	22.4	1.0	ug/l	25.0		90	40-150			*N1b*
Vinyl chloride	29.3	0.50	ug/l	25.0		117	70-130			
Xylenes, Total	55.8	1.0	ug/l	50.0		112	60-140			
Freon 113	27.5	2.0	ug/l	25.0		110	60-140			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.3*		*ug/l*	*25.0*		*117*	*80-125*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										**N1a**
Acetone	30.1	10	ug/l	25.0		120	10-150	9	35	
Benzene	24.5	0.50	ug/l	25.0		98	80-120	3	15	
Bromobenzene	25.4	0.50	ug/l	25.0		101	80-120	4	15	
Bromochloromethane	23.0	0.50	ug/l	25.0		92	80-125	6	15	
Bromodichloromethane	29.6	0.50	ug/l	25.0		118	80-120	3	15	
Bromoform	23.5	1.0	ug/l	25.0		94	75-130	0.3	20	
Bromomethane	27.0	1.0	ug/l	25.0		108	55-150	4	20	
2-Butanone (MEK)	22.1	2.5	ug/l	25.0		89	40-150	18	35	
n-Butylbenzene	27.4	0.50	ug/l	25.0		110	80-130	4	15	
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	80-125	5	15	
tert-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-120	5	15	
Carbon disulfide	24.6	1.0	ug/l	25.0		98	70-140	2	15	*N1b*
Carbon tetrachloride	36.5	0.50	ug/l	25.0		146	75-130	3	20	*V1, L3*
Chlorobenzene	26.1	0.50	ug/l	25.0		104	80-120	1	15	
Chloroethane	24.8	1.0	ug/l	25.0		99	70-130	3	15	
Chloroform	26.4	0.50	ug/l	25.0		106	75-120	4	15	
Chloromethane	25.2	1.0	ug/l	25.0		101	60-140	0.5	20	
2-Chlorotoluene	28.3	0.50	ug/l	25.0		113	80-120	1	15	
4-Chlorotoluene	27.8	0.50	ug/l	25.0		111	80-120	4	15	
Dibromochloromethane	27.0	0.50	ug/l	25.0		108	80-120	4	15	
1,2-Dibromo-3-chloropropane	32.9	2.5	ug/l	25.0		131	50-150	9	35	*V1*
1,2-Dibromoethane (EDB)	25.7	0.50	ug/l	25.0		103	80-120	7	15	
Dibromomethane	26.6	0.50	ug/l	25.0		106	75-120	3	15	
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	80-120	2	15	
1,3-Dichlorobenzene	25.9	0.50	ug/l	25.0		104	80-120	3	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	80-120	0.8	15	
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150	0	30	
1,1-Dichloroethane	25.2	0.50	ug/l	25.0		101	70-125	4	15	
1,2-Dichloroethane	29.3	0.50	ug/l	25.0		117	75-130	7	15	
1,1-Dichloroethene	27.5	0.50	ug/l	25.0		110	75-125	3	20	
cis-1,2-Dichloroethene	23.3	0.50	ug/l	25.0		93	80-120	6	15	
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120	0.2	15	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0		86	80-120	2	15	
1,3-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	32.2	1.0	ug/l	25.0		129	75-130	5	15	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										N1a
1,1-Dichloropropene	26.3	0.50	ug/l	25.0		105	75-120	2	15	
cis-1,3-Dichloropropene	25.6	0.50	ug/l	25.0		102	80-120	5	15	
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	80-125	7	15	
Ethylbenzene	29.1	0.50	ug/l	25.0		116	80-120	2	15	
Hexachlorobutadiene	30.6	1.0	ug/l	25.0		122	40-150	1	35	
2-Hexanone	27.2	2.5	ug/l	25.0		109	20-150	16	35	
Iodomethane	28.0	2.5	ug/l	25.0		112	80-130	3	10	
Isopropylbenzene	31.1	0.50	ug/l	25.0		125	80-130	5	15	
p-Isopropyltoluene	27.7	0.50	ug/l	25.0		111	80-130	4	15	
Methylene Chloride	22.0	1.0	ug/l	25.0		88	70-120	5	15	
4-Methyl-2-pentanone (MIBK)	24.1	2.5	ug/l	25.0		96	60-135	12	25	
Methyl-tert-butyl Ether (MTBE)	23.1	0.50	ug/l	25.0		92	70-130	12	20	
Naphthalene	25.2	2.5	ug/l	25.0		101	40-150	6	30	
n-Propylbenzene	28.6	0.50	ug/l	25.0		114	75-130	8	15	
Styrene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
1,1,1,2-Tetrachloroethane	28.3	0.50	ug/l	25.0		113	75-125	4	15	
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	80-120	4	20	
Tetrachloroethene	30.0	0.50	ug/l	25.0		120	70-130	0 4	20	
Toluene	25 9	0.50	ug/l	25.0		104	80-120	1	15	
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0		101	55-150	0.3	35	
1,2,4-Trichlorobenzene	25.5	1 0	ug/l	25.0		102	50-150	0.8	30	
1,1,1-Trichloroethane	33.0	0.50	ug/l	25.0		132	75-125	3	15	*L3*
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	80-120	7	15	
Trichloroethene	27.7	0.50	ug/l	25.0		111	80-120	0.6	15	
Trichlorofluoromethane	39.6	0.50	ug/l	25.0		158	70-150	4	25	*L3*
1,2,3-Trichloropropane	28.6	1.0	ug/l	25.0		114	70-130	3	20	
1,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-120	1	15	
1,3,5-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-130	5	15	
Vinyl Acetate	24.4	1.0	ug/l	25.0		98	40-150	8	25	*N1b*
Vinyl chloride	29.5	0.50	ug/l	25.0		118	70-130	0.6	20	
Xylenes, Total	53.7	1.0	ug/l	50.0		107	60-140	4	15	
Freon 113	27.5	2.0	ug/l	25.0		110	60-140	0.2	15	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.2*		*ug/l*	*25.0*		*117*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					**Source: PVC1873-04**					**N1a**
Acetone	23.7	10	ug/l	25.0	ND	95	10-150			
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-125			
Bromobenzene	26.1	0.50	ug/l	25.0	ND	104	75-120			
Bromochloromethane	23.6	0.50	ug/l	25.0	ND	94	75-130			
Bromodichloromethane	30.5	0.50	ug/l	25.0	ND	122	75-125			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	65-125			
Bromomethane	27.0	1.0	ug/l	25.0	ND	108	45-150			
2-Butanone (MEK)	19.7	2.5	ug/l	25.0	ND	79	15-150			
n-Butylbenzene	27.2	0.50	ug/l	25.0	ND	109	70-130			
sec-Butylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-125			
tert-Butylbenzene	28.9	0.50	ug/l	25.0	ND	116	70-125			
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	98	65-145			*N1b*
Carbon tetrachloride	37.1	0.50	ug/l	25.0	ND	148	65-135			*V1, N1a*
Chlorobenzene	26.9	0.50	ug/l	25.0	ND	108	75-120			
Chloroethane	25.0	1.0	ug/l	25.0	ND	100	65-140			
Chloroform	28.1	0.50	ug/l	25.0	0.310	111	70-130			
Chloromethane	24.0	1.0	ug/l	25.0	ND	96	55-145			
2-Chlorotoluene	28.7	0.50	ug/l	25.0	ND	115	70-125			
4-Chlorotoluene	28.1	0.50	ug/l	25.0	ND	112	70-125			
Dibromochloromethane	27.8	0.50	ug/l	25.0	0.500	109	70-130			
1,2-Dibromo-3-chloropropane	27.2	2.5	ug/l	25.0	ND	109	50-150			*V1*
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0	ND	103	70-125			
Dibromomethane	26.8	0.50	ug/l	25.0	ND	107	70-120			
1,2-Dichlorobenzene	24.7	0.50	ug/l	25.0	ND	99	75-120			
1,3-Dichlorobenzene	25.5	0.50	ug/l	25.0	ND	102	75-120			
1,4-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-125			
Dichlorodifluoromethane	33.7	0.50	ug/l	25.0	ND	135	60-150			
1,1-Dichloroethane	26.0	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dichloroethane	30.1	0.50	ug/l	25.0	ND	120	65-140			
1,1-Dichloroethene	27.8	0.50	ug/l	25.0	ND	111	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-125			
trans-1,2-Dichloroethene	25.3	0.50	ug/l	25.0	ND	101	75-125			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	75-125			
1,3-Dichloropropane	25.8	0.50	ug/l	25.0	ND	103	70-120			
2,2-Dichloropropane	33.0	1.0	ug/l	25.0	ND	132	65-140			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					**Source: PVC1873-04**					**N1a**
1,1-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	65-130			
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Ethylbenzene	30.4	0.50	ug/l	25.0	ND	122	70-125			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0	ND	111	40-150			
2-Hexanone	21.6	2.5	ug/l	25.0	ND	86	20-150			
Iodomethane	28.6	2.5	ug/l	25.0	ND	114	60-150			
Isopropylbenzene	32.3	0.50	ug/l	25.0	ND	129	75-130			
p-Isopropyltoluene	28.2	0.50	ug/l	25.0	ND	113	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0	ND	93	65-130			
4-Methyl-2-pentanone (MIBK)	20.2	2.5	ug/l	25.0	ND	81	55-135			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0	ND	93	65-140			
Naphthalene	20.8	2.5	ug/l	25.0	ND	83	40-150			
n-Propylbenzene	30.1	0.50	ug/l	25.0	ND	121	70-130			
Styrene	26.6	0.50	ug/l	25.0	ND	106	55-135			
1,1,1,2-Tetrachloroethane	30.6	0.50	ug/l	25.0	ND	123	70-125			
1,1,2,2-Tetrachloroethane	23.7	0.50	ug/l	25.0	ND	95	70-125			
Tetrachloroethene	36.0	0.50	ug/l	25.0	6.24	119	65-130			
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125			
1,2,3-Trichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	50-150			
1,2,4-Trichlorobenzene	23.0	1.0	ug/l	25.0	ND	92	50-150			
1,1,1-Trichloroethane	34.0	0.50	ug/l	25.0	ND	136	70-130			*N1a*
1,1,2-Trichloroethane	23.1	0.50	ug/l	25.0	ND	92	75-125			
Trichloroethene	28.5	0.50	ug/l	25.0	0.470	112	70-125			
Trichlorofluoromethane	38.8	0.50	ug/l	25.0	ND	155	65-150			*N1a*
1,2,3-Trichloropropane	26.3	1.0	ug/l	25.0	ND	105	70-130			
1,2,4-Trimethylbenzene	28.0	0.50	ug/l	25.0	ND	112	70-125			
1,3,5-Trimethylbenzene	29.2	0.50	ug/l	25.0	ND	117	75-130			
Vinyl Acetate	22.9	1.0	ug/l	25.0	ND	92	40-150			*N1b*
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	60-140			
Xylenes, Total	56.7	1.0	ug/l	50.0	ND	113	75-120			
Freon 113	28.0	2.0	ug/l	25.0	ND	112	65-140			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*30.6*		*ug/l*	*25.0*		*122*	*80-125*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					Source: PVC1873-04					N1a
Acetone	16.8	10	ug/l	25.0	ND	67	10-150	34	35	
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-125	2	25	
Bromobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	0.7	20	
Bromochloromethane	22.4	0.50	ug/l	25.0	ND	90	75-130	5	20	
Bromodichloromethane	28.6	0.50	ug/l	25.0	ND	115	75-125	6	20	
Bromoform	21.1	1.0	ug/l	25.0	ND	84	65-125	12	25	
Bromomethane	26.6	1.0	ug/l	25.0	ND	107	45-150	1	35	
2-Butanone (MEK)	16.5	2.5	ug/l	25.0	ND	66	15-150	18	30	
n-Butylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-130	3	30	
sec-Butylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-125	5	30	
tert-Butylbenzene	30.4	0.50	ug/l	25.0	ND	121	70-125	5	25	
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	97	65-145	0.3	25	*N1b*
Carbon tetrachloride	36.8	0.50	ug/l	25.0	ND	147	65-135	0.6	25	*V1, N1a*
Chlorobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	4	20	
Chloroethane	25.2	1.0	ug/l	25.0	ND	101	65-140	1	25	
Chloroform	26.3	0.50	ug/l	25.0	0.310	104	70-130	7	20	
Chloromethane	24.9	1.0	ug/l	25.0	ND	100	55-145	4	35	
2-Chlorotoluene	29.0	0.50	ug/l	25.0	ND	116	70-125	1	25	
4-Chlorotoluene	28.0	0.50	ug/l	25.0	ND	112	70-125	0.3	25	
Dibromochloromethane	25.5	0.50	ug/l	25.0	0.500	100	70-130	9	20	
1,2-Dibromo-3-chloropropane	25.2	2.5	ug/l	25.0	ND	101	50-150	8	30	*V1*
1,2-Dibromoethane (EDB)	23.3	0.50	ug/l	25.0	ND	93	70-125	10	20	
Dibromomethane	24.0	0.50	ug/l	25.0	ND	96	70-120	11	20	
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	75-120	0.5	20	
1,3-Dichlorobenzene	26.3	0.50	ug/l	25.0	ND	105	75-120	3	25	
1,4-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-125	5	20	
Dichlorodifluoromethane	34.8	0.50	ug/l	25.0	ND	139	60-150	3	30	
1,1-Dichloroethane	25.0	0.50	ug/l	25.0	ND	100	70-130	4	20	
1,2-Dichloroethane	27.1	0.50	ug/l	25.0	ND	108	65-140	10	20	
1,1-Dichloroethene	27.0	0.50	ug/l	25.0	ND	108	70-130	3	25	
cis-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-125	5	20	
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	95	75-125	6	25	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0	ND	86	75-125	6	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-120	12	20	
2,2-Dichloropropane	31.8	1.0	ug/l	25.0	ND	127	65-140	3	25	

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					**Source: PVC1873-04**					**N1a**
1,1-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	65-130	1	25	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	75-130	7	20	
trans-1,3-Dichloropropene	21.0	0.50	ug/l	25.0	ND	84	70-130	9	20	
Ethylbenzene	29.8	0.50	ug/l	25.0	ND	119	70-125	2	25	
Hexachlorobutadiene	30.9	1.0	ug/l	25.0	ND	124	40-150	11	30	
2-Hexanone	16.8	2.5	ug/l	25.0	ND	67	20-150	25	30	
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	60-150	1	30	
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	75-130	4	25	
p-Isopropyltoluene	28.6	0.50	ug/l	25.0	ND	114	70-130	1	30	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	65-130	9	20	
4-Methyl-2-pentanone (MIBK)	17.2	2.5	ug/l	25.0	ND	69	55-135	16	25	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	65-140	14	25	
Naphthalene	20.9	2.5	ug/l	25.0	ND	84	40-150	0.4	30	
n-Propylbenzene	30.6	0.50	ug/l	25.0	ND	122	70-130	2	30	
Styrene	25.1	0.50	ug/l	25.0	ND	101	55-135	6	35	
1,1,1,2-Tetrachloroethane	29.5	0.50	ug/l	25.0	ND	118	70-125	4	20	
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	70-125	7	25	
Tetrachloroethene	35.0	0.50	ug/l	25.0	6.24	115	65-130	3	25	
Toluene	25.9	0.50	ug/l	25.0	ND	104	70-125	0.9	20	
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	50-150	4	35	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	9	25	
1,1,1-Trichloroethane	32.3	0.50	ug/l	25.0	ND	129	70-130	5	25	
1,1,2-Trichloroethane	21.0	0.50	ug/l	25.0	ND	84	75-125	9	20	
Trichloroethene	28.1	0.50	ug/l	25.0	0.470	110	70-125	2	25	
Trichlorofluoromethane	38.9	0.50	ug/l	25.0	ND	156	65-150	0.08	25	*N1a*
1,2,3-Trichloropropane	24.2	1.0	ug/l	25.0	ND	97	70-130	8	25	
1,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0	ND	114	70-125	2	30	
1,3,5-Trimethylbenzene	29.7	0.50	ug/l	25.0	ND	119	75-130	2	25	
Vinyl Acetate	19.2	1.0	ug/l	25.0	ND	77	40-150	17	30	*N1b*
Vinyl chloride	28.3	0.50	ug/l	25.0	ND	113	60-140	5	25	
Xylenes, Total	56.3	1.0	ug/l	50.0	ND	113	75-120	0.7	15	
Freon 113	27.8	2.0	ug/l	25.0	ND	111	65-140	0.9	20	
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.6*		*ug/l*	*25.0*		*119*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1285 Extracted: 03/28/12										
Blank Analyzed: 03/31/2012 (12C1285-BLK1)										**N1a**
,4-Dioxane	ND	1.0	ug/l							
urrogate: 1,4-Dioxane-d8	*13.8*		*ug/l*	*20.0*		*69*	*38.6-88.3*			
urrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*102*	*59.9-120*			
.CS Analyzed: 03/31/2012 (12C1285-BS1)										**N1a**
,4-Dioxane	18.9	1.0	ug/l	20.0		94	80-120			
urrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
urrogate: Nitrobenzene-d5	*22.3*		*ug/l*	*20.0*		*111*	*38-125*			
.CS Dup Analyzed: 03/31/2012 (12C1285-BSD1)										**N1a**
,4-Dioxane	19.3	1.0	ug/l	20.0		96	80-120	2	25	
urrogate: 1,4-Dioxane-d8	*14.3*		*ug/l*	*20.0*		*71*	*32-57*			*S10*
urrogate: Nitrobenzene-d5	*21.1*		*ug/l*	*20.0*		*106*	*38-125*			
Matrix Spike Analyzed: 03/31/2012 (12C1285-MS1)					**Source: PVC1873-04**					**N1a**
,4-Dioxane	19.9	1.0	ug/l	20.0	0.290	98	70-130			
urrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*36-81*			
urrogate: Nitrobenzene-d5	*22.5*		*ug/l*	*20.0*		*112*	*59-120*			
Matrix Spike Dup Analyzed: 03/31/2012 (12C1285-MSD1)					**Source: PVC1873-04**					**N1a**
,4-Dioxane	20.2	1.0	ug/l	20.0	0.290	99	70-130	1	25	
urrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*36-81*			
urrogate: Nitrobenzene-d5	*23.6*		*ug/l*	*20.0*		*118*	*59-120*			

TestAmerica Phoenix

Cylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032

Report Number: PVC1873

Sampled: 03/26/12
Received: 03/26/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PVC 1873

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

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[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale AZ 85251

Project/PO Number:
003
0096498.032

Project Manager:
jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler:
adam nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	1,4 Dioxane 8270	MS/MSD							Special Instructions
003-11M2-M-032612	W	3x40mL 2x1L	5	3/26/12	0820	HCl/-	X	X								-01
003-11M-M-032612	W	3x40mL 2x1L	5	3/26/12	0918	HCl/-	X	X								-02
003-11S-S-032612	W	3x40mL 2x1L	5	3/26/12	1013	HCl/-	X	X								-03
BE-MW-8-S-032612	W	3x40mL 2x1L	5	3/26/12	1310	HCl/-	X	X								-04
BE-MW-8-S-032612-MS/MSD	W	3x40mL 2x1L	5	3/26/12	1310	HCl/-	X	X	X							-05
GW-EB9-032612	W	3x40mL	3	3/26/12	1311	HCl	X									-06
GW-LI-1-032612	W	1x40mL	1	3/26/12	—	HCl	X								-07	Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
	3/26 1805			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/26/12 1805	Intact ____	on ice Y

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3/0096498.032

Sampled: 03/27/12
Received: 03/27/12
Issued: 04/10/12 15:29

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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. 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.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1910-01	EW-21-S-032712	Water
PVC1910-02	OU3-1D-D-032712	Water
PVC1910-03	GW-EB10-032712	Water
PVC1910-04	GW-L1-1-032712	Water

TestAmerica Phoenix

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

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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.

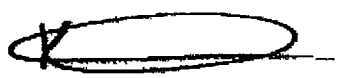
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-1,1,1-Trichloroethane Only- The Laboratory Control Sample/ Laboratory Control Sample Duplicate as well as the Matrix Spike recovered high and outside of acceptance limits for 1,1,1-Trichloroethane. All associated samples are non-detect for this compound and therefore should not be impacted.
N1a-Carbon Tetrachloride and Trichlorofluoromethane Only-The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Carbon Tetrachloride and Trichlorofluoromethane. All associated samples are non-detect for these compounds and therefore should not be impacted.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-01 (EW-21-S-032712 - Water)								**N1a**
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	**0.81**	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-01 (EW-21-S-032712 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Iodomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Isopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
p-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	**1.3**	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*104 %*				

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1910-02 (OU3-1D-D-032712 - Water)								N1a
Reporting Units: ug/l								
.cetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
enzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
romomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
c-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
rt-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
arbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
arbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
hlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
hloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
s-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
s-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
exachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-02 (OU3-1D-D-032712 - Water) - cont.								N1a
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Iodomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Isopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
p-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Kylie Emily
Project Manager

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1910-03 (GW-EB10-032712 - Water)								**N1a**
Reporting Units: ug/l								
cetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
enzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romodichloromethane	EPA 8260B	12D0176	0.50	**2.9**	1	4/5/2012	4/5/2012	
romoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
romomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
rt-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
arbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
arbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
hlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
hloroform	EPA 8260B	12D0176	0.50	**4.8**	1	4/5/2012	4/5/2012	
hloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromochloromethane	EPA 8260B	12D0176	0.50	**1.5**	1	4/5/2012	4/5/2012	
,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
is-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
is-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
thylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
exachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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ylie Emily
roject Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-03 (GW-EB10-032712 - Water) - cont.								N1a
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Iodomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Isopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
p-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Project Manager

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4625 East Cotton Center Blvd, Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1910-04 (GW-L1-1-032712 - Water)								**N1a**
Reporting Units: ng/l								
cetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
enzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
romoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
romomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
c-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
rt-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
arbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
arbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
hlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
hloroform	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
s-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ns-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
s-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ns-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
hylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
exachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-04 (GW-L1-1-032712 - Water) - cont.								**N1a**
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Iodomethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Isopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
p-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Methylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Naphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Styrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Tetrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Toluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Trichlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
1,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Vinyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Vinyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Xylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Freon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
Surrogate: Dibromofluoromethane (80-130%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-125%)				*100 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1910-01 (EW-21-S-032712 - Water)								**N1a**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1427	1.0	ND	1	3/30/2012	4/4/2012	
urrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*71 %*				
urrogate: Nitrobenzene-d5 (59.9-120%)				*86 %*				
Sample ID: PVC1910-02 (OU3-1D-D-032712 - Water)								**N1a**
Reporting Units: ug/l								
,4-Dioxane	EPA 8270C	12C1427	1.0	ND	1	3/30/2012	4/4/2012	
urrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*66 %*				
urrogate: Nitrobenzene-d5 (59.9-120%)				*81 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										N1a
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0 50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							*N1b*
Carbon tetrachloride	ND	0 50	ug/l							*V1*
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										N1a
,1-Dichloropropene	ND	0.50	ug/l							
is-1,3-Dichloropropene	ND	0.50	ug/l							
ans-1,3-Dichloropropene	ND	0.50	ug/l							
thylbenzene	ND	0.50	ug/l							
lexachlorobutadiene	ND	1.0	ug/l							
-Hexanone	ND	2.5	ug/l							
odomethane	ND	2.5	ug/l							
sopropylbenzene	ND	0.50	ug/l							
-Isopropyltoluene	ND	0.50	ug/l							
lethylene Chloride	ND	1.0	ug/l							
-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
lethyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
laphthalene	ND	2.5	ug/l							
-Propylbenzene	ND	0.50	ug/l							
tyrene	ND	0.50	ug/l							
,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
etrachloroethene	ND	0.50	ug/l							
oluene	ND	0.50	ug/l							
,2,3-Trichlorobenzene	ND	1.0	ug/l							
,2,4-Trichlorobenzene	ND	1.0	ug/l							
,1,1-Trichloroethane	ND	0.50	ug/l							
,1,2-Trichloroethane	ND	0.50	ug/l							
richloroethene	ND	0.50	ug/l							
richlorofluoromethane	ND	0.50	ug/l							
,2,3-Trichloropropane	ND	1.0	ug/l							
,2,4-Trimethylbenzene	ND	0.50	ug/l							
,3,5-Trimethylbenzene	ND	0.50	ug/l							
inyl Acetate	ND	1.0	ug/l							*N1b*
inyl chloride	ND	0.50	ug/l							
ylenes, Total	ND	1.0	ug/l							
reon 113	ND	2.0	ug/l							
urrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
urrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
urrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

estAmerica Phoenix

ylie Emily
roject Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										N1a
Acetone	27.4	10	ug/l	25.0		110	10-150			
Benzene	25.2	0.50	ug/l	25.0		101	80-120			
Bromobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Bromochloromethane	21.7	0.50	ug/l	25.0		87	80-125			
Bromodichloromethane	28.7	0.50	ug/l	25.0		115	80-120			
Bromoform	23.6	1.0	ug/l	25.0		94	75-130			
Bromomethane	26.0	1.0	ug/l	25.0		104	55-150			
2-Butanone (MEK)	18.5	2.5	ug/l	25.0		74	40-150			
n-Butylbenzene	28.5	0.50	ug/l	25.0		114	80-130			
sec-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-125			
tert-Butylbenzene	30.8	0.50	ug/l	25 0		123	80-120			*L3*
Carbon disulfide	24.0	1.0	ug/l	25.0		96	70-140			*N1b*
Carbon tetrachloride	37.7	0.50	ug/l	25.0		151	75-130			*V1, L3*
Chlorobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Chloroethane	24.2	1.0	ug/l	25.0		97	70-130			
Chloroform	25.4	0.50	ug/l	25.0		102	75-120			
Chloromethane	25.0	1.0	ug/l	25.0		100	60-140			
2-Chlorotoluene	28.6	0.50	ug/l	25.0		114	80-120			
4-Chlorotoluene	29.1	0.50	ug/l	25.0		116	80-120			
Dibromochloromethane	25.8	0.50	ug/l	25.0		103	80-120			
1,2-Dibromo-3-chloropropane	30.0	2.5	ug/l	25.0		120	50-150			*V1*
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0		96	80-120			
Dibromomethane	25.8	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	80-120			
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
1,4-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120			
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150			
1,1-Dichloroethane	24.3	0.50	ug/l	25.0		97	70-125			
1,2-Dichloroethane	27.2	0.50	ug/l	25.0		109	75-130			
1,1-Dichloroethene	26 7	0.50	ug/l	25.0		107	75-125			
cis-1,2-Dichloroethene	22.0	0.50	ug/l	25.0		88	80-120			
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120			
1,2-Dichloropropane	21.8	0.50	ug/l	25.0		87	80-120			
1,3-Dichloropropane	24.0	0.50	ug/l	25 0		96	80-120			
2,2-Dichloropropane	30.8	1.0	ug/l	25.0		123	75-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										**N1a**
,1-Dichloropropene	26.8	0.50	ug/l	25.0		107	75-120			
is-1,3-Dichloropropene	24.4	0.50	ug/l	25.0		98	80-120			
ans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0		88	80-125			
thylbenzene	29.6	0.50	ug/l	25.0		118	80-120			
lexachlorobutadiene	31.0	1.0	ug/l	25.0		124	40-150			
-Hexanone	23.3	2.5	ug/l	25.0		93	20-150			
odomethane	27.3	2.5	ug/l	25.0		109	80-130			
sopropylbenzene	32.7	0.50	ug/l	25.0		131	80-130			*L3*
-Isopropyltoluene	28.8	0.50	ug/l	25.0		115	80-130			
lethylene Chloride	20.9	1.0	ug/l	25.0		83	70-120			
-Methyl-2-pentanone (MIBK)	21.4	2.5	ug/l	25.0		86	60-135			
lethyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25.0		82	70-130			
laphthalene	23.8	2.5	ug/l	25.0		95	40-150			
-Propylbenzene	30.9	0.50	ug/l	25.0		124	75-130			
tyrene	27.1	0.50	ug/l	25.0		108	80-120			
,1,1,2-Tetrachloroethane	29.6	0.50	ug/l	25.0		118	75-125			
,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	80-120			
etrachloroethene	30.1	0.50	ug/l	25.0		120	70-130			
oluene	26.2	0.50	ug/l	25.0		105	80-120			
,2,3-Trichlorobenzene	25.4	1.0	ug/l	25.0		101	55-150			
,2,4-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	50-150			
,1,1-Trichloroethane	32.0	0.50	ug/l	25.0		128	75-125			*L3*
,1,2-Trichloroethane	21.7	0.50	ug/l	25.0		87	80-120			
richloroethene	27.9	0.50	ug/l	25.0		112	80-120			
richlorofluoromethane	38.0	0.50	ug/l	25.0		152	70-150			*L3*
,2,3-Trichloropropane	27.7	1.0	ug/l	25.0		111	70-130			
,2,4-Trimethylbenzene	29.0	0.50	ug/l	25.0		116	80-120			
,3,5-Trimethylbenzene	30.2	0.50	ug/l	25.0		121	80-130			
inyl Acetate	22.4	1.0	ug/l	25.0		90	40-150			*N1b*
inyl chloride	29.3	0.50	ug/l	25.0		117	70-130			
ylenes, Total	55.8	1.0	ug/l	50.0		112	60-140			
reon 113	27.5	2.0	ug/l	25.0		110	60-140			
urrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*99*	*80-130*			
urrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
urrogate: 4-Bromofluorobenzene	*29.3*		*ug/l*	*25.0*		*117*	*80-125*			

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ylie Emily
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										**N1a**
Acetone	30.1	10	ug/l	25.0		120	10-150	9	35	
Benzene	24.5	0.50	ug/l	25.0		98	80-120	3	15	
Bromobenzene	25.4	0.50	ug/l	25.0		101	80-120	4	15	
Bromochloromethane	23.0	0.50	ug/l	25.0		92	80-125	6	15	
Bromodichloromethane	29.6	0.50	ug/l	25.0		118	80-120	3	15	
Bromoform	23.5	1.0	ug/l	25.0		94	75-130	0.3	20	
Bromomethane	27.0	1.0	ug/l	25.0		108	55-150	4	20	
2-Butanone (MEK)	22.1	2.5	ug/l	25.0		89	40-150	18	35	
n-Butylbenzene	27.4	0.50	ug/l	25.0		110	80-130	4	15	
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	80-125	5	15	
tert-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-120	5	15	
Carbon disulfide	24.6	1.0	ug/l	25.0		98	70-140	2	15	*N1b*
Carbon tetrachloride	36.5	0.50	ug/l	25.0		146	75-130	3	20	*V1, L3*
Chlorobenzene	26.1	0.50	ug/l	25.0		104	80-120	1	15	
Chloroethane	24.8	1.0	ug/l	25.0		99	70-130	3	15	
Chloroform	26.4	0.50	ug/l	25.0		106	75-120	4	15	
Chloromethane	25.2	1.0	ug/l	25.0		101	60-140	0.5	20	
2-Chlorotoluene	28.3	0.50	ug/l	25.0		113	80-120	1	15	
4-Chlorotoluene	27.8	0.50	ug/l	25.0		111	80-120	4	15	
Dibromochloromethane	27.0	0.50	ug/l	25.0		108	80-120	4	15	
1,2-Dibromo-3-chloropropane	32.9	2.5	ug/l	25.0		131	50-150	9	35	*V1*
1,2-Dibromoethane (EDB)	25.7	0.50	ug/l	25.0		103	80-120	7	15	
Dibromomethane	26.6	0.50	ug/l	25.0		106	75-120	3	15	
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	80-120	2	15	
1,3-Dichlorobenzene	25.9	0.50	ug/l	25.0		104	80-120	3	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	80-120	0.8	15	
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150	0	30	
1,1-Dichloroethane	25.2	0.50	ug/l	25.0		101	70-125	4	15	
1,2-Dichloroethane	29.3	0.50	ug/l	25.0		117	75-130	7	15	
1,1-Dichloroethene	27.5	0.50	ug/l	25.0		110	75-125	3	20	
cis-1,2-Dichloroethene	23.3	0.50	ug/l	25.0		93	80-120	6	15	
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120	0.2	15	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0		86	80-120	2	15	
1,3-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	32.2	1.0	ug/l	25.0		129	75-130	5	15	

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										N1a
,1-Dichloropropene	26.3	0.50	ug/l	25.0		105	75-120	2	15	
is-1,3-Dichloropropene	25.6	0.50	ug/l	25.0		102	80-120	5	15	
ans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	80-125	7	15	
thylbenzene	29.1	0.50	ug/l	25.0		116	80-120	2	15	
lexachlorobutadiene	30.6	1.0	ug/l	25.0		122	40-150	1	35	
-Hexanone	27.2	2.5	ug/l	25.0		109	20-150	16	35	
odomethane	28.0	2.5	ug/l	25.0		112	80-130	3	10	
sopropylbenzene	31.1	0.50	ug/l	25.0		125	80-130	5	15	
-Isopropyltoluene	27.7	0.50	ug/l	25.0		111	80-130	4	15	
Methylene Chloride	22.0	1.0	ug/l	25.0		88	70-120	5	15	
-Methyl-2-pentanone (MIBK)	24.1	2.5	ug/l	25.0		96	60-135	12	25	
Methyl-tert-butyl Ether (MTBE)	23.1	0.50	ug/l	25.0		92	70-130	12	20	
Naphthalene	25.2	2.5	ug/l	25.0		101	40-150	6	30	
-Propylbenzene	28.6	0.50	ug/l	25.0		114	75-130	8	15	
Styrene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
,1,1,2-Tetrachloroethane	28.3	0.50	ug/l	25.0		113	75-125	4	15	
,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	80-120	4	20	
Tetrachloroethene	30.0	0.50	ug/l	25.0		120	70-130	0.4	20	
Toluene	25.9	0.50	ug/l	25.0		104	80-120	1	15	
,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0		101	55-150	0.3	35	
,2,4-Trichlorobenzene	25.5	1.0	ug/l	25.0		102	50-150	0.8	30	
,1,1-Trichloroethane	33.0	0.50	ug/l	25.0		132	75-125	3	15	*L3*
,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	80-120	7	15	
Trichloroethene	27.7	0.50	ug/l	25.0		111	80-120	0.6	15	
Trichlorofluoromethane	39.6	0.50	ug/l	25.0		158	70-150	4	25	*L3*
,2,3-Trichloropropane	28.6	1.0	ug/l	25.0		114	70-130	3	20	
,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-120	1	15	
,3,5-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-130	5	15	
Vinyl Acetate	24.4	1.0	ug/l	25.0		98	40-150	8	25	*N1b*
Vinyl chloride	29.5	0.50	ug/l	25.0		118	70-130	0.6	20	
Xylenes, Total	53.7	1.0	ug/l	50.0		107	60-140	4	15	
Freon 113	27.5	2.0	ug/l	25.0		110	60-140	0.2	15	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.2*		*ug/l*	*25.0*		*117*	*80-125*			

TestAmerica Phoenix

Cylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					**Source: PVC1873-04**					**N1a**
Acetone	23.7	10	ug/l	25.0	ND	95	10-150			
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-125			
Bromobenzene	26.1	0.50	ug/l	25.0	ND	104	75-120			
Bromochloromethane	23.6	0.50	ug/l	25.0	ND	94	75-130			
Bromodichloromethane	30.5	0.50	ug/l	25.0	ND	122	75-125			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	65-125			
Bromomethane	27.0	1.0	ug/l	25.0	ND	108	45-150			
2-Butanone (MEK)	19.7	2.5	ug/l	25.0	ND	79	15-150			
n-Butylbenzene	27.2	0.50	ug/l	25.0	ND	109	70-130			
sec-Butylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-125			
tert-Butylbenzene	28.9	0.50	ug/l	25.0	ND	116	70-125			
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	98	65-145			*N1b*
Carbon tetrachloride	37.1	0.50	ug/l	25.0	ND	148	65-135			*V1, N1a*
Chlorobenzene	26.9	0.50	ug/l	25.0	ND	108	75-120			
Chloroethane	25.0	1.0	ug/l	25.0	ND	100	65-140			
Chloroform	28.1	0.50	ug/l	25.0	0.310	111	70-130			
Chloromethane	24.0	1.0	ug/l	25.0	ND	96	55-145			
2-Chlorotoluene	28.7	0.50	ug/l	25.0	ND	115	70-125			
4-Chlorotoluene	28.1	0.50	ug/l	25.0	ND	112	70-125			
Dibromochloromethane	27.8	0 50	ug/l	25.0	0.500	109	70-130			
1,2-Dibromo-3-chloropropane	27.2	2.5	ug/l	25.0	ND	109	50-150			*V1*
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0	ND	103	70-125			
Dibromomethane	26.8	0.50	ug/l	25.0	ND	107	70-120			
1,2-Dichlorobenzene	24.7	0.50	ug/l	25.0	ND	99	75-120			
1,3-Dichlorobenzene	25.5	0.50	ug/l	25.0	ND	102	75-120			
1,4-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-125			
Dichlorodifluoromethane	33 7	0.50	ug/l	25.0	ND	135	60-150			
1,1-Dichloroethane	26.0	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dichloroethane	30.1	0.50	ug/l	25.0	ND	120	65-140			
1,1-Dichloroethene	27.8	0.50	ug/l	25.0	ND	111	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-125			
trans-1,2-Dichloroethene	25.3	0.50	ug/l	25.0	ND	101	75-125			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	75-125			
1,3-Dichloropropane	25.8	0.50	ug/l	25 0	ND	103	70-120			
2,2-Dichloropropane	33.0	1.0	ug/l	25.0	ND	132	65-140			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					**Source: PVC1873-04**					**N1a**
1,1-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	65-130			
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Ethylbenzene	30.4	0.50	ug/l	25.0	ND	122	70-125			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0	ND	111	40-150			
2-Hexanone	21.6	2.5	ug/l	25.0	ND	86	20-150			
Iodomethane	28.6	2.5	ug/l	25.0	ND	114	60-150			
Isopropylbenzene	32.3	0.50	ug/l	25.0	ND	129	75-130			
4-Isopropyltoluene	28.2	0.50	ug/l	25.0	ND	113	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0	ND	93	65-130			
4-Methyl-2-pentanone (MIBK)	20.2	2.5	ug/l	25.0	ND	81	55-135			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0	ND	93	65-140			
Naphthalene	20.8	2.5	ug/l	25.0	ND	83	40-150			
n-Propylbenzene	30.1	0.50	ug/l	25.0	ND	121	70-130			
Styrene	26.6	0.50	ug/l	25.0	ND	106	55-135			
1,1,2-Tetrachloroethane	30.6	0.50	ug/l	25.0	ND	123	70-125			
1,2,2-Tetrachloroethane	23.7	0.50	ug/l	25.0	ND	95	70-125			
Tetrachloroethene	36.0	0.50	ug/l	25.0	6.24	119	65-130			
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125			
1,2,3-Trichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	50-150			
1,2,4-Trichlorobenzene	23.0	1.0	ug/l	25.0	ND	92	50-150			
1,1,1-Trichloroethane	34.0	0.50	ug/l	25.0	ND	136	70-130			*N1a*
1,1,2-Trichloroethane	23.1	0.50	ug/l	25.0	ND	92	75-125			
Trichloroethene	28.5	0.50	ug/l	25.0	0.470	112	70-125			
Trichlorofluoromethane	38.8	0.50	ug/l	25.0	ND	155	65-150			*N1a*
1,2,3-Trichloropropane	26.3	1.0	ug/l	25.0	ND	105	70-130			
1,2,4-Trimethylbenzene	28.0	0.50	ug/l	25.0	ND	112	70-125			
1,3,5-Trimethylbenzene	29.2	0.50	ug/l	25.0	ND	117	75-130			
Vinyl Acetate	22.9	1.0	ug/l	25.0	ND	92	40-150			*N1b*
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	60-140			
Xylenes, Total	56.7	1.0	ug/l	50.0	ND	113	75-120			
Freon 113	28.0	2.0	ug/l	25.0	ND	112	65-140			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*30.6*		*ug/l*	*25.0*		*122*	*80-125*			

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					**Source: PVC1873-04**					**N1a**
Acetone	16.8	10	ug/l	25.0	ND	67	10-150	34	35	
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-125	2	25	
Bromobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	0.7	20	
Bromochloromethane	22.4	0.50	ug/l	25.0	ND	90	75-130	5	20	
Bromodichloromethane	28.6	0.50	ug/l	25.0	ND	115	75-125	6	20	
Bromoform	21.1	1.0	ug/l	25.0	ND	84	65-125	12	25	
Bromomethane	26.6	1.0	ug/l	25.0	ND	107	45-150	1	35	
2-Butanone (MEK)	16.5	2.5	ug/l	25.0	ND	66	15-150	18	30	
n-Butylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-130	3	30	
sec-Butylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-125	5	30	
tert-Butylbenzene	30.4	0.50	ug/l	25.0	ND	121	70-125	5	25	
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	97	65-145	0.3	25	*N1b*
Carbon tetrachloride	36.8	0.50	ug/l	25.0	ND	147	65-135	0.6	25	*V1, N1a*
Chlorobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	4	20	
Chloroethane	25.2	1.0	ug/l	25.0	ND	101	65-140	1	25	
Chloroform	26.3	0.50	ug/l	25.0	0.310	104	70-130	7	20	
Chloromethane	24.9	1.0	ug/l	25.0	ND	100	55-145	4	35	
2-Chlorotoluene	29.0	0.50	ug/l	25.0	ND	116	70-125	1	25	
4-Chlorotoluene	28.0	0.50	ug/l	25.0	ND	112	70-125	0.3	25	
Dibromochloromethane	25.5	0.50	ug/l	25.0	0.500	100	70-130	9	20	
1,2-Dibromo-3-chloropropane	25.2	2.5	ug/l	25.0	ND	101	50-150	8	30	*V1*
1,2-Dibromoethane (EDB)	23.3	0.50	ug/l	25.0	ND	93	70-125	10	20	
Dibromomethane	24.0	0.50	ug/l	25.0	ND	96	70-120	11	20	
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	75-120	0.5	20	
1,3-Dichlorobenzene	26.3	0.50	ug/l	25.0	ND	105	75-120	3	25	
1,4-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-125	5	20	
Dichlorodifluoromethane	34.8	0.50	ug/l	25.0	ND	139	60-150	3	30	
1,1-Dichloroethane	25.0	0.50	ug/l	25.0	ND	100	70-130	4	20	
1,2-Dichloroethane	27.1	0.50	ug/l	25.0	ND	108	65-140	10	20	
1,1-Dichloroethene	27.0	0.50	ug/l	25.0	ND	108	70-130	3	25	
cis-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-125	5	20	
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	95	75-125	6	25	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0	ND	86	75-125	6	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-120	12	20	
2,2-Dichloropropane	31.8	1.0	ug/l	25.0	ND	127	65-140	3	25	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					**Source: PVC1873-04**					**N1a**
,1-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	65-130	1	25	
is-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	75-130	7	20	
ans-1,3-Dichloropropene	21 0	0.50	ug/l	25.0	ND	84	70-130	9	20	
thylbenzene	29.8	0.50	ug/l	25.0	ND	119	70-125	2	25	
lexachlorobutadiene	30.9	1.0	ug/l	25.0	ND	124	40-150	11	30	
-Hexanone	16.8	2.5	ug/l	25.0	ND	67	20-150	25	30	
odomethane	28.3	2.5	ug/l	25.0	ND	113	60-150	1	30	
sopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	75-130	4	25	
-Isopropyltoluene	28.6	0.50	ug/l	25.0	ND	114	70-130	1	30	
lethylene Chloride	21.3	1.0	ug/l	25.0	ND	85	65-130	9	20	
-Methyl-2-pentanone (MIBK)	17.2	2.5	ug/l	25.0	ND	69	55-135	16	25	
lethyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	65-140	14	25	
laphthalene	20.9	2.5	ug/l	25.0	ND	84	40-150	0.4	30	
-Propylbenzene	30.6	0.50	ug/l	25.0	ND	122	70-130	2	30	
tyrene	25 1	0.50	ug/l	25.0	ND	101	55-135	6	35	
,1,1,2-Tetrachloroethane	29.5	0.50	ug/l	25.0	ND	118	70-125	4	20	
,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	70-125	7	25	
etrachloroethene	35.0	0.50	ug/l	25.0	6.24	115	65-130	3	25	
oluene	25.9	0.50	ug/l	25.0	ND	104	70-125	0.9	20	
,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	50-150	4	35	
,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	9	25	
,1,1-Trichloroethane	32.3	0.50	ug/l	25.0	ND	129	70-130	5	25	
,1,2-Trichloroethane	21.0	0.50	ug/l	25.0	ND	84	75-125	9	20	
richloroethene	28.1	0.50	ug/l	25.0	0.470	110	70-125	2	25	
richlorofluoromethane	38.9	0.50	ug/l	25.0	ND	156	65-150	0.08	25	*N1a*
,2,3-Trichloropropane	24.2	1.0	ug/l	25.0	ND	97	70-130	8	25	
,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0	ND	114	70-125	2	30	
,3,5-Trimethylbenzene	29.7	0.50	ug/l	25.0	ND	119	75-130	2	25	
inyl Acetate	19.2	1.0	ug/l	25.0	ND	77	40-150	17	30	*N1b*
inyl chloride	28.3	0.50	ug/l	25.0	ND	113	60-140	5	25	
ylenes, Total	56.3	1.0	ug/l	50.0	ND	113	75-120	0.7	15	
reon 113	27.8	2.0	ug/l	25.0	ND	111	65-140	0.9	20	
urrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*105*	*80-130*			
urrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
urrogate: 4-Bromofluorobenzene	*29.6*		*ug/l*	*25.0*		*119*	*80-125*			

estAmerica Phoenix

ylie Emily
roject Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1427 Extracted: 03/30/12										
Blank Analyzed: 04/04/2012 (12C1427-BLK1)										N1a
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.9*		*ug/l*	*20.0*		*59*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*15.6*		*ug/l*	*20.0*		*78*	*59.9-120*			
LCS Analyzed: 04/04/2012 (12C1427-BS1)										N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0		100	80-120			
Surrogate: 1,4-Dioxane-d8	*14.4*		*ug/l*	*20.0*		*72*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*38-125*			
LCS Dup Analyzed: 04/04/2012 (12C1427-BSD1)										N1a
1,4-Dioxane	19.4	1.0	ug/l	20.0		97	80-120	4	25	
Surrogate: 1,4-Dioxane-d8	*14.9*		*ug/l*	*20.0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*18.4*		*ug/l*	*20.0*		*92*	*38-125*			
Matrix Spike Analyzed: 04/04/2012 (12C1427-MS1)					**Source: PVC2021-02**					N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0	ND	100	70-130			
Surrogate: 1,4-Dioxane-d8	*13.3*		*ug/l*	*20.0*		*67*	*36-81*			
Surrogate: Nitrobenzene-d5	*17.0*		*ug/l*	*20.0*		*85*	*59-120*			
Matrix Spike Dup Analyzed: 04/04/2012 (12C1427-MSD1)					**Source: PVC2021-02**					N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0	ND	101	70-130	0.05	25	
Surrogate: 1,4-Dioxane-d8	*13.7*		*ug/l*	*20.0*		*69*	*36-81*			
Surrogate: Nitrobenzene-d5	*17.8*		*ug/l*	*20.0*		*89*	*59-120*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1910

Sampled: 03/27/12
Received: 03/27/12

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

PVC 1910

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[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E Indian School Rd #100
Scottsdale AZ 85251

Project/PO Number:
003
0096498.032

Project Manager:
jason.hilker@erm.com

Phone Number:
480-998-2401

Sampler:
adam nagle

Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC 8260B	Analysis Required: 1,4 Dioxane 8270	Special Instructions
EW-21-S-032712	W	3x40mL 2x1L	5	3/27/12	0750	HCl/-	X	X	-01
003-1D-D-032712	W	3x40mL 2x1L	5	3/27/12	0927	HCl/-	X	X	-02
GW-EB10-032712	W	3x40mL	3	3/27/12	1021	HCl	X		-03
GW-LI-1-032712	W	1x40mL	1	3/27/12	-	HCl	X		-04 Trip Blank

Relinquished By: ERM/ERM	Date/Time: 3/27 1226	Received By:	Date/Time:	Turnaround Time: (Check)
Relinquished By:	Date/Time:	Received By:	Date/Time:	same day ____ 72 hours ____ 24 hours ____ 5 days ____ 48 hours ____ normal X
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time: 3/27/12 1225	Sample Integrity: (Check) Intact ____ on ice ____

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.1°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3/0096498.032

Sampled: 03/27/12
Received: 03/27/12
Issued: 04/10/12 17:02

NELAP #01109CA / AZ100001 Arizona DHS#AZ0728

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This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PVC1911-01	OU3-1M-M-032712	Water

TestAmerica Phoenix

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

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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.

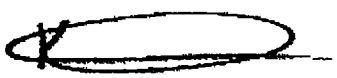
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1a-The QC limits used for the methods indicated by this qualifier are specified by the client QAPP and may not reflect the laboratory's current limits. The limits contained in this report may be more or less stringent than laboratory limits. Proposed changes to the QAPP were submitted to the EPA on 03/09/12.
N1a-1,1,1-Trichloroethane Only- The Laboratory Control Sample/ Laboratory Control Sample Duplicate as well as the Matrix Spike recovered high and outside of acceptance limits for 1,1,1-Trichloroethane. All associated samples are non-detect for this compound and therefore should not be impacted.
N1a-Carbon Tetrachloride and Trichlorofluoromethane Only-The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Carbon Tetrachloride and Trichlorofluoromethane. All associated samples are non-detect for these compounds and therefore should not be impacted.
N1b-The reporting limit is not that specified in the project's QAPP. It reflects the lowest reportable limit as supported by the laboratory's latest method detection limit study.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1911-01 (OU3-1M-M-032712 - Water)								N1a
Reporting Units: ug/l								
Acetone	EPA 8260B	12D0176	10	ND	1	4/5/2012	4/5/2012	
Benzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromodichloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Bromoform	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Bromomethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Butanone (MEK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
n-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
sec-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tert-Butylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
Carbon disulfide	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
Carbon tetrachloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	V1, L3
Chlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Chloroethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
Chloroform	EPA 8260B	12D0176	0.50	**0.73**	1	4/5/2012	4/5/2012	
Chloromethane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
2-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
4-Chlorotoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromochloromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dibromo-3-chloropropane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	V1
1,2-Dibromoethane (EDB)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dibromomethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,4-Dichlorobenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Dichlorodifluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,1-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,2-Dichloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,2-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
1,3-Dichloropropane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
2,2-Dichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
1,1-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
cis-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
trans-1,3-Dichloropropene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Ethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
Hexachlorobutadiene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
ample ID: PVC1911-01 (OU3-1M-M-032712 - Water) - cont.								**N1a**
Reporting Units: ug/l								
-Hexanone	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
)domethane	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
sopropylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
-Isopropyltoluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
lethylene Chloride	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
-Methyl-2-pentanone (MIBK)	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
lethyl-tert-butyl Ether (MTBE)	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
laphthalene	EPA 8260B	12D0176	2.5	ND	1	4/5/2012	4/5/2012	
-Propylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
tyrene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,1,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,1,2,2-Tetrachloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
etrachloroethene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
oluene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,2,3-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trichlorobenzene	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,1,1-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,1,2-Trichloroethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
richloroethene	EPA 8260B	12D0176	0.50	**3.3**	1	4/5/2012	4/5/2012	
richlorofluoromethane	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	L3
,2,3-Trichloropropane	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
,2,4-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
,3,5-Trimethylbenzene	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
inyl Acetate	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	N1b
inyl chloride	EPA 8260B	12D0176	0.50	ND	1	4/5/2012	4/5/2012	
ylenes, Total	EPA 8260B	12D0176	1.0	ND	1	4/5/2012	4/5/2012	
reon 113	EPA 8260B	12D0176	2.0	ND	1	4/5/2012	4/5/2012	
urrogate: Dibromofluoromethane (80-130%)				*115 %*				
urrogate: Toluene-d8 (80-120%)				*100 %*				
urrogate: 4-Bromofluorobenzene (80-125%)				*102 %*				

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PVC1911-01 (OU3-1M-M-032712 - Water)								**N1a**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	12C1427	1.0	ND	1	3/30/2012	4/4/2012	
Surrogate: 1,4-Dioxane-d8 (38.6-88.3%)				*73 %*				
Surrogate: Nitrobenzene-d5 (59.9-120%)				*88 %*				

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										**N1a**
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	1.0	ug/l							*N1b*
Carbon tetrachloride	ND	0.50	ug/l							*V1*
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							*V1*
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Blank Analyzed: 04/05/2012 (12D0176-BLK1)										N1a
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0 50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							*N1b*
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										N1a
Acetone	27.4	10	ug/l	25.0		110	10-150			
Benzene	25.2	0.50	ug/l	25.0		101	80-120			
Bromobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Bromochloromethane	21.7	0.50	ug/l	25.0		87	80-125			
Bromodichloromethane	28.7	0.50	ug/l	25.0		115	80-120			
Bromoform	23.6	1.0	ug/l	25.0		94	75-130			
Bromomethane	26.0	1.0	ug/l	25.0		104	55-150			
2-Butanone (MEK)	18.5	2.5	ug/l	25.0		74	40-150			
n-Butylbenzene	28.5	0.50	ug/l	25.0		114	80-130			
sec-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-125			
tert-Butylbenzene	30.8	0.50	ug/l	25.0		123	80-120			*L3*
Carbon disulfide	24.0	1.0	ug/l	25.0		96	70-140			*N1b*
Carbon tetrachloride	37.7	0.50	ug/l	25.0		151	75-130			*V1, L3*
Chlorobenzene	26.4	0.50	ug/l	25.0		105	80-120			
Chloroethane	24.2	1.0	ug/l	25.0		97	70-130			
Chloroform	25.4	0.50	ug/l	25.0		102	75-120			
Chloromethane	25.0	1.0	ug/l	25.0		100	60-140			
2-Chlorotoluene	28.6	0.50	ug/l	25.0		114	80-120			
4-Chlorotoluene	29.1	0.50	ug/l	25.0		116	80-120			
Dibromochloromethane	25.8	0.50	ug/l	25.0		103	80-120			
1,2-Dibromo-3-chloropropane	30.0	2.5	ug/l	25.0		120	50-150			*V1*
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0		96	80-120			
Dibromomethane	25.8	0.50	ug/l	25.0		103	75-120			
1,2-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	80-120			
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0		107	80-120			
1,4-Dichlorobenzene	25.3	0.50	ug/l	25.0		101	80-120			
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150			
1,1-Dichloroethane	24.3	0.50	ug/l	25.0		97	70-125			
1,2-Dichloroethane	27.2	0.50	ug/l	25.0		109	75-130			
1,1-Dichloroethene	26.7	0.50	ug/l	25.0		107	75-125			
cis-1,2-Dichloroethene	22.0	0.50	ug/l	25.0		88	80-120			
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120			
1,2-Dichloropropane	21.8	0.50	ug/l	25.0		87	80-120			
1,3-Dichloropropane	24.0	0.50	ug/l	25.0		96	80-120			
2,2-Dichloropropane	30.8	1.0	ug/l	25.0		123	75-130			

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Analyzed: 04/05/2012 (12D0176-BS1)										**N1a**
1,1-Dichloropropene	26.8	0.50	ug/l	25.0		107	75-120			
cis-1,3-Dichloropropene	24.4	0.50	ug/l	25.0		98	80-120			
trans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0		88	80-125			
Ethylbenzene	29.6	0.50	ug/l	25 0		118	80-120			
Hexachlorobutadiene	31.0	1.0	ug/l	25.0		124	40-150			
2-Hexanone	23.3	2.5	ug/l	25.0		93	20-150			
Iodomethane	27.3	2.5	ug/l	25.0		109	80-130			
Isopropylbenzene	32.7	0.50	ug/l	25.0		131	80-130			*L3*
p-Isopropyltoluene	28.8	0.50	ug/l	25.0		115	80-130			
Methylene Chloride	20.9	1.0	ug/l	25.0		83	70-120			
4-Methyl-2-pentanone (MIBK)	21.4	2.5	ug/l	25 0		86	60-135			
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25.0		82	70-130			
Naphthalene	23.8	2.5	ug/l	25.0		95	40-150			
n-Propylbenzene	30.9	0.50	ug/l	25.0		124	75-130			
Styrene	27.1	0.50	ug/l	25.0		108	80-120			
1,1,1,2-Tetrachloroethane	29.6	0.50	ug/l	25.0		118	75-125			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	80-120			
Tetrachloroethene	30.1	0.50	ug/l	25.0		120	70-130			
Toluene	26.2	0.50	ug/l	25.0		105	80-120			
1,2,3-Trichlorobenzene	25.4	1 0	ug/l	25.0		101	55-150			
1,2,4-Trichlorobenzene	25.7	1.0	ug/l	25 0		103	50-150			
1,1,1-Trichloroethane	32.0	0.50	ug/l	25.0		128	75-125			*L3*
1,1,2-Trichloroethane	21.7	0.50	ug/l	25.0		87	80-120			
Trichloroethene	27.9	0.50	ug/l	25.0		112	80-120			
Trichlorofluoromethane	38.0	0.50	ug/l	25.0		152	70-150			*L3*
1,2,3-Trichloropropane	27.7	1.0	ug/l	25.0		111	70-130			
1,2,4-Trimethylbenzene	29.0	0.50	ug/l	25.0		116	80-120			
1,3,5-Trimethylbenzene	30.2	0.50	ug/l	25.0		121	80-130			
Vinyl Acetate	22.4	1.0	ug/l	25.0		90	40-150			*N1b*
Vinyl chloride	29.3	0.50	ug/l	25.0		117	70-130			
Xylenes, Total	55.8	1.0	ug/l	50.0		112	60-140			
Freon 113	27.5	2.0	ug/l	25.0		110	60-140			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*99*	*80-130*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.3*		*ug/l*	*25.0*		*117*	*80-125*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										**N1a**
Acetone	30.1	10	ug/l	25.0		120	10-150	9	35	
Benzene	24.5	0.50	ug/l	25.0		98	80-120	3	15	
Bromobenzene	25.4	0.50	ug/l	25.0		101	80-120	4	15	
Bromochloromethane	23.0	0.50	ug/l	25.0		92	80-125	6	15	
Bromodichloromethane	29.6	0.50	ug/l	25.0		118	80-120	3	15	
Bromoform	23.5	1.0	ug/l	25.0		94	75-130	0.3	20	
Bromomethane	27.0	1.0	ug/l	25.0		108	55-150	4	20	
2-Butanone (MEK)	22.1	2.5	ug/l	25.0		89	40-150	18	35	
n-Butylbenzene	27.4	0.50	ug/l	25.0		110	80-130	4	15	
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	80-125	5	15	
tert-Butylbenzene	29.4	0.50	ug/l	25.0		118	80-120	5	15	
Carbon disulfide	24.6	1.0	ug/l	25.0		98	70-140	2	15	*N1b*
Carbon tetrachloride	36.5	0.50	ug/l	25.0		146	75-130	3	20	*V1, L3*
Chlorobenzene	26.1	0.50	ug/l	25.0		104	80-120	1	15	
Chloroethane	24.8	1.0	ug/l	25.0		99	70-130	3	15	
Chloroform	26.4	0.50	ug/l	25.0		106	75-120	4	15	
Chloromethane	25.2	1.0	ug/l	25.0		101	60-140	0.5	20	
2-Chlorotoluene	28.3	0.50	ug/l	25.0		113	80-120	1	15	
4-Chlorotoluene	27.8	0.50	ug/l	25.0		111	80-120	4	15	
Dibromochloromethane	27.0	0.50	ug/l	25.0		108	80-120	4	15	
1,2-Dibromo-3-chloropropane	32.9	2.5	ug/l	25.0		131	50-150	9	35	*V1*
1,2-Dibromoethane (EDB)	25.7	0.50	ug/l	25.0		103	80-120	7	15	
Dibromomethane	26.6	0.50	ug/l	25.0		106	75-120	3	15	
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	80-120	2	15	
1,3-Dichlorobenzene	25.9	0.50	ug/l	25.0		104	80-120	3	15	
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	80-120	0.8	15	
Dichlorodifluoromethane	34.7	0.50	ug/l	25.0		139	60-150	0	30	
1,1-Dichloroethane	25.2	0.50	ug/l	25.0		101	70-125	4	15	
1,2-Dichloroethane	29.3	0.50	ug/l	25.0		117	75-130	7	15	
1,1-Dichloroethene	27.5	0.50	ug/l	25.0		110	75-125	3	20	
cis-1,2-Dichloroethene	23.3	0.50	ug/l	25.0		93	80-120	6	15	
trans-1,2-Dichloroethene	24.5	0.50	ug/l	25.0		98	80-120	0.2	15	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0		86	80-120	2	15	
1,3-Dichloropropane	24.5	0.50	ug/l	25.0		98	80-120	2	15	
2,2-Dichloropropane	32.2	1.0	ug/l	25.0		129	75-130	5	15	

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
LCS Dup Analyzed: 04/05/2012 (12D0176-BSD1)										N1a
1,1-Dichloropropene	26.3	0.50	ug/l	25.0		105	75-120	2	15	
cis-1,3-Dichloropropene	25 6	0.50	ug/l	25.0		102	80-120	5	15	
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	80-125	7	15	
Ethylbenzene	29.1	0.50	ug/l	25.0		116	80-120	2	15	
Hexachlorobutadiene	30.6	1.0	ug/l	25.0		122	40-150	1	35	
2-Hexanone	27.2	2.5	ug/l	25.0		109	20-150	16	35	
Iodomethane	28.0	2.5	ug/l	25.0		112	80-130	3	10	
Isopropylbenzene	31.1	0.50	ug/l	25.0		125	80-130	5	15	
p-Isopropyltoluene	27.7	0.50	ug/l	25.0		111	80-130	4	15	
Methylene Chloride	22.0	1.0	ug/l	25.0		88	70-120	5	15	
4-Methyl-2-pentanone (MIBK)	24.1	2.5	ug/l	25.0		96	60-135	12	25	
Methyl-tert-butyl Ether (MTBE)	23.1	0.50	ug/l	25.0		92	70-130	12	20	
Naphthalene	25.2	2.5	ug/l	25.0		101	40-150	6	30	
n-Propylbenzene	28.6	0.50	ug/l	25.0		114	75-130	8	15	
Styrene	26.4	0.50	ug/l	25.0		106	80-120	2	15	
1,1,1,2-Tetrachloroethane	28.3	0.50	ug/l	25.0		113	75-125	4	15	
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	80-120	4	20	
Tetrachloroethene	30.0	0.50	ug/l	25.0		120	70-130	0.4	20	
Toluene	25.9	0.50	ug/l	25.0		104	80-120	1	15	
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0		101	55-150	0.3	35	
1,2,4-Trichlorobenzene	25.5	1.0	ug/l	25 0		102	50-150	0.8	30	
1,1,1-Trichloroethane	33.0	0.50	ug/l	25 0		132	75-125	3	15	*L3*
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	80-120	7	15	
Trichloroethene	27.7	0.50	ug/l	25.0		111	80-120	0 6	15	
Trichlorofluoromethane	39.6	0.50	ug/l	25.0		158	70-150	4	25	*L3*
1,2,3-Trichloropropane	28.6	1 0	ug/l	25.0		114	70-130	3	20	
1,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-120	1	15	
1,3,5-Trimethylbenzene	28.6	0.50	ug/l	25.0		115	80-130	5	15	
Vinyl Acetate	24.4	1.0	ug/l	25.0		98	40-150	8	25	*N1b*
Vinyl chloride	29.5	0.50	ug/l	25.0		118	70-130	0.6	20	
Xylenes, Total	53.7	1.0	ug/l	50.0		107	60-140	4	15	
Freon 113	27.5	2.0	ug/l	25.0		110	60-140	0.2	15	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.2*		*ug/l*	*25.0*		*117*	*80-125*			

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Project Manager

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					Source: PVC1873-04					N1a
Acetone	23.7	10	ug/l	25.0	ND	95	10-150			
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-125			
Bromobenzene	26.1	0.50	ug/l	25.0	ND	104	75-120			
Bromochloromethane	23.6	0.50	ug/l	25.0	ND	94	75-130			
Bromodichloromethane	30.5	0.50	ug/l	25.0	ND	122	75-125			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	65-125			
Bromomethane	27.0	1.0	ug/l	25.0	ND	108	45-150			
2-Butanone (MEK)	19.7	2.5	ug/l	25.0	ND	79	15-150			
n-Butylbenzene	27.2	0.50	ug/l	25.0	ND	109	70-130			
sec-Butylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-125			
tert-Butylbenzene	28.9	0.50	ug/l	25.0	ND	116	70-125			
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	98	65-145			*N1b*
Carbon tetrachloride	37.1	0.50	ug/l	25.0	ND	148	65-135			*VI, N1a*
Chlorobenzene	26.9	0.50	ug/l	25.0	ND	108	75-120			
Chloroethane	25.0	1.0	ug/l	25.0	ND	100	65-140			
Chloroform	28.1	0.50	ug/l	25.0	0.310	111	70-130			
Chloromethane	24.0	1.0	ug/l	25.0	ND	96	55-145			
2-Chlorotoluene	28.7	0.50	ug/l	25.0	ND	115	70-125			
4-Chlorotoluene	28.1	0.50	ug/l	25.0	ND	112	70-125			
Dibromochloromethane	27.8	0.50	ug/l	25.0	0.500	109	70-130			
1,2-Dibromo-3-chloropropane	27.2	2.5	ug/l	25.0	ND	109	50-150			*VI*
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0	ND	103	70-125			
Dibromomethane	26.8	0.50	ug/l	25.0	ND	107	70-120			
1,2-Dichlorobenzene	24.7	0.50	ug/l	25.0	ND	99	75-120			
1,3-Dichlorobenzene	25.5	0.50	ug/l	25.0	ND	102	75-120			
1,4-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-125			
Dichlorodifluoromethane	33.7	0.50	ug/l	25.0	ND	135	60-150			
1,1-Dichloroethane	26.0	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dichloroethane	30.1	0.50	ug/l	25.0	ND	120	65-140			
1,1-Dichloroethene	27.8	0.50	ug/l	25.0	ND	111	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-125			
trans-1,2-Dichloroethene	25.3	0.50	ug/l	25.0	ND	101	75-125			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	75-125			
1,3-Dichloropropane	25.8	0.50	ug/l	25.0	ND	103	70-120			
2,2-Dichloropropane	33.0	1.0	ug/l	25.0	ND	132	65-140			

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Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Analyzed: 04/05/2012 (12D0176-MS1)					**Source: PVC1873-04**					**N1a**
1,1-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	65-130			
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	75-130			
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Ethylbenzene	30.4	0.50	ug/l	25.0	ND	122	70-125			
Hexachlorobutadiene	27.8	1.0	ug/l	25 0	ND	111	40-150			
2-Hexanone	21.6	2.5	ug/l	25.0	ND	86	20-150			
Iodomethane	28.6	2.5	ug/l	25.0	ND	114	60-150			
Isopropylbenzene	32.3	0.50	ug/l	25.0	ND	129	75-130			
p-Isopropyltoluene	28.2	0.50	ug/l	25 0	ND	113	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0	ND	93	65-130			
4-Methyl-2-pentanone (MIBK)	20.2	2.5	ug/l	25.0	ND	81	55-135			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0	ND	93	65-140			
Naphthalene	20.8	2.5	ug/l	25.0	ND	83	40-150			
n-Propylbenzene	30.1	0.50	ug/l	25.0	ND	121	70-130			
Styrene	26.6	0.50	ug/l	25.0	ND	106	55-135			
1,1,1,2-Tetrachloroethane	30.6	0.50	ug/l	25.0	ND	123	70-125			
1,1,2,2-Tetrachloroethane	23 7	0.50	ug/l	25.0	ND	95	70-125			
Tetrachloroethene	36.0	0.50	ug/l	25.0	6.24	119	65-130			
Toluene	26.2	0.50	ug/l	25.0	ND	105	70-125			
1,2,3-Trichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	50-150			
1,2,4-Trichlorobenzene	23.0	1 0	ug/l	25.0	ND	92	50-150			
1,1,1-Trichloroethane	34.0	0.50	ug/l	25.0	ND	136	70-130			*N1a*
1,1,2-Trichloroethane	23.1	0 50	ug/l	25.0	ND	92	75-125			
Trichloroethene	28.5	0.50	ug/l	25.0	0.470	112	70-125			
Trichlorofluoromethane	38.8	0.50	ug/l	25.0	ND	155	65-150			*N1a*
1,2,3-Trichloropropane	26.3	1.0	ug/l	25.0	ND	105	70-130			
1,2,4-Trimethylbenzene	28.0	0.50	ug/l	25.0	ND	112	70-125			
1,3,5-Trimethylbenzene	29.2	0.50	ug/l	25.0	ND	117	75-130			
Vinyl Acetate	22.9	1.0	ug/l	25.0	ND	92	40-150			*N1b*
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	60-140			
Xylenes, Total	56.7	1.0	ug/l	50.0	ND	113	75-120			
Freon 113	28.0	2.0	ug/l	25.0	ND	112	65-140			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-130*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*30.6*		*ug/l*	*25.0*		*122*	*80-125*			

TestAmerica Phoenix

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Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					**Source: PVC1873-04**					**N1a**
Acetone	16.8	10	ug/l	25.0	ND	67	10-150	34	35	
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-125	2	25	
Bromobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	0.7	20	
Bromochloromethane	22.4	0.50	ug/l	25.0	ND	90	75-130	5	20	
Bromodichloromethane	28.6	0.50	ug/l	25.0	ND	115	75-125	6	20	
Bromoform	21.1	1.0	ug/l	25.0	ND	84	65-125	12	25	
Bromomethane	26.6	1.0	ug/l	25.0	ND	107	45-150	1	35	
2-Butanone (MEK)	16.5	2.5	ug/l	25.0	ND	66	15-150	18	30	
n-Butylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-130	3	30	
sec-Butylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-125	5	30	
tert-Butylbenzene	30.4	0.50	ug/l	25.0	ND	121	70-125	5	25	
Carbon disulfide	24.4	1.0	ug/l	25.0	ND	97	65-145	0.3	25	*N1b*
Carbon tetrachloride	36.8	0.50	ug/l	25.0	ND	147	65-135	0.6	25	*V1, N1a*
Chlorobenzene	25.9	0.50	ug/l	25.0	ND	104	75-120	4	20	
Chloroethane	25.2	1.0	ug/l	25.0	ND	101	65-140	1	25	
Chloroform	26.3	0.50	ug/l	25.0	0.310	104	70-130	7	20	
Chloromethane	24.9	1.0	ug/l	25.0	ND	100	55-145	4	35	
2-Chlorotoluene	29.0	0.50	ug/l	25.0	ND	116	70-125	1	25	
4-Chlorotoluene	28.0	0.50	ug/l	25.0	ND	112	70-125	0.3	25	
Dibromochloromethane	25.5	0.50	ug/l	25.0	0.500	100	70-130	9	20	
1,2-Dibromo-3-chloropropane	25.2	2.5	ug/l	25.0	ND	101	50-150	8	30	*V1*
1,2-Dibromoethane (EDB)	23.3	0.50	ug/l	25.0	ND	93	70-125	10	20	
Dibromomethane	24.0	0.50	ug/l	25.0	ND	96	70-120	11	20	
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	75-120	0.5	20	
1,3-Dichlorobenzene	26.3	0.50	ug/l	25.0	ND	105	75-120	3	25	
1,4-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-125	5	20	
Dichlorodifluoromethane	34.8	0.50	ug/l	25.0	ND	139	60-150	3	30	
1,1-Dichloroethane	25.0	0.50	ug/l	25.0	ND	100	70-130	4	20	
1,2-Dichloroethane	27.1	0.50	ug/l	25.0	ND	108	65-140	10	20	
1,1-Dichloroethene	27.0	0.50	ug/l	25.0	ND	108	70-130	3	25	
cis-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-125	5	20	
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	95	75-125	6	25	
1,2-Dichloropropane	21.4	0.50	ug/l	25.0	ND	86	75-125	6	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-120	12	20	
2,2-Dichloropropane	31.8	1.0	ug/l	25.0	ND	127	65-140	3	25	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12D0176 Extracted: 04/05/12										
Matrix Spike Dup Analyzed: 04/05/2012 (12D0176-MSD1)					**Source: PVC1873-04**					**N1a**
1,1-Dichloropropene	25.5	0.50	ug/l	25.0	ND	102	65-130	1	25	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	75-130	7	20	
trans-1,3-Dichloropropene	21.0	0.50	ug/l	25.0	ND	84	70-130	9	20	
Ethylbenzene	29.8	0.50	ug/l	25.0	ND	119	70-125	2	25	
Hexachlorobutadiene	30.9	1.0	ug/l	25.0	ND	124	40-150	11	30	
2-Hexanone	16 8	2.5	ug/l	25.0	ND	67	20-150	25	30	
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	60-150	1	30	
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	75-130	4	25	
p-Isopropyltoluene	28.6	0.50	ug/l	25.0	ND	114	70-130	1	30	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	65-130	9	20	
4-Methyl-2-pentanone (MIBK)	17.2	2.5	ug/l	25.0	ND	69	55-135	16	25	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	65-140	14	25	
Naphthalene	20.9	2.5	ug/l	25.0	ND	84	40-150	0.4	30	
n-Propylbenzene	30.6	0.50	ug/l	25.0	ND	122	70-130	2	30	
Styrene	25.1	0.50	ug/l	25.0	ND	101	55-135	6	35	
1,1,1,2-Tetrachloroethane	29.5	0.50	ug/l	25.0	ND	118	70-125	4	20	
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	70-125	7	25	
Tetrachloroethene	35.0	0.50	ug/l	25.0	6.24	115	65-130	3	25	
Toluene	25.9	0.50	ug/l	25.0	ND	104	70-125	0.9	20	
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	50-150	4	35	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	50-150	9	25	
1,1,1-Trichloroethane	32.3	0.50	ug/l	25.0	ND	129	70-130	5	25	
1,1,2-Trichloroethane	21.0	0.50	ug/l	25.0	ND	84	75-125	9	20	
Trichloroethene	28.1	0.50	ug/l	25.0	0.470	110	70-125	2	25	
Trichlorofluoromethane	38.9	0.50	ug/l	25.0	ND	156	65-150	0 08	25	*N1a*
1,2,3-Trichloropropane	24.2	1.0	ug/l	25.0	ND	97	70-130	8	25	
1,2,4-Trimethylbenzene	28.6	0.50	ug/l	25.0	ND	114	70-125	2	30	
1,3,5-Trimethylbenzene	29.7	0.50	ug/l	25.0	ND	119	75-130	2	25	
Vinyl Acetate	19.2	1.0	ug/l	25.0	ND	77	40-150	17	30	*N1b*
Vinyl chloride	28.3	0.50	ug/l	25.0	ND	113	60-140	5	25	
Xylenes, Total	56.3	1.0	ug/l	50.0	ND	113	75-120	0.7	15	
Freon 113	27.8	2.0	ug/l	25.0	ND	111	65-140	0.9	20	
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*105*	*80-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.6*		*ug/l*	*25.0*		*119*	*80-125*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12C1427 Extracted: 03/30/12										
Blank Analyzed: 04/04/2012 (12C1427-BLK1)										N1a
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*11.9*		*ug/l*	*20.0*		*59*	*38.6-88.3*			
Surrogate: Nitrobenzene-d5	*15.6*		*ug/l*	*20.0*		*78*	*59.9-120*			
LCS Analyzed: 04/04/2012 (12C1427-BS1)										N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0		100	80-120			
Surrogate: 1,4-Dioxane-d8	*14.4*		*ug/l*	*20.0*		*72*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*38-125*			
LCS Dup Analyzed: 04/04/2012 (12C1427-BSD1)										N1a
1,4-Dioxane	19.4	1.0	ug/l	20.0		97	80-120	4	25	
Surrogate: 1,4-Dioxane-d8	*14.9*		*ug/l*	*20.0*		*74*	*32-57*			*S10*
Surrogate: Nitrobenzene-d5	*18.4*		*ug/l*	*20.0*		*92*	*38-125*			
Matrix Spike Analyzed: 04/04/2012 (12C1427-MS1)					**Source: PVC2021-02**					N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0	ND	100	70-130			
Surrogate: 1,4-Dioxane-d8	*13.3*		*ug/l*	*20.0*		*67*	*36-81*			
Surrogate: Nitrobenzene-d5	*17.0*		*ug/l*	*20.0*		*85*	*59-120*			
Matrix Spike Dup Analyzed: 04/04/2012 (12C1427-MSD1)					**Source: PVC2021-02**					N1a
1,4-Dioxane	20.1	1.0	ug/l	20.0	ND	101	70-130	0.05	25	
Surrogate: 1,4-Dioxane-d8	*13.7*		*ug/l*	*20.0*		*69*	*36-81*			
Surrogate: Nitrobenzene-d5	*17.8*		*ug/l*	*20.0*		*89*	*59-120*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3/0096498.032
Report Number: PVC1911

Sampled: 03/27/12
Received: 03/27/12

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
EPA 8270C	Water		X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

PVC1911

[X] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address:	Project/PO Number:	Analysis Required
ERM 7272 E Indian School Rd #100 Scottsdale AZ 85251	003 0096498.032	
Project Manager: jason.hilker@erm.com	**Phone Number:** 480-998-2401	
Sampler: adam nagle	**Fax Number:**	

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC 8260B	1,4 Dioxane 8270							Special Instructions
003-1M-M-032712	W	3x40mL 2x1L	5	3/27/12	1020	HCl	X	X				-01			Level IV

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
	3/27 1224			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal X
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/27/12 1224	intact ____	on ice Y

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.1°C

Appendix C
City of Phoenix
Sanitary Sewer Discharge Permit

City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

March 7, 2012

Mr. Jason Hiker
Geologist
Environmental Resources Management
7272 E. Indian School Rd. Ste. 100
Scottsdale, Arizona 85251

RE: Manhole Entry Permit Request for Discharge of Purge Water from Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area. Phoenix, Arizona-March 5, 2012 through March 30, 2012, Semi-annual Groundwater Monitoring Program

Dear Mr. Hiker:

The Environmental Services Division (ESD) received your e-mail Discharge Request Application Form dated January 25, 2012, requesting a Manhole Entry Permit for permission to discharge approximately 9,000 gallons of wastewater to the City Of Phoenix sanitary sewer. The purge water will be discharged into five city manholes located in Phoenix, Arizona. This purge water will be generated during groundwater sampling to characterize the extent and contamination of groundwater with volatile organic chemicals (VOC), particularly trichloroethene (TCE). The sampling is conducted for the U.S. Environmental Protection Agency (EPA) Region 9.

Approval is hereby granted for the discharge of purge water consisting of 9,000 gallons from Operable Unit (OU) 3-1 study area into the City of Phoenix sanitary sewer system. This discharge, via City of Phoenix MH # 412 in QS 11-29; MH #221 in QS 9-28; MH #106 in QS 11-27; MH #434 in QS 11-28; and MH #433 in QS 11-28, is expected to occur some time during the time period of 3/5/2012 and 3/30/2012. In order to avoid hydraulic overloading of the sewer mains in the area, this discharge shall not exceed a flow rate of thirty-five (35) gallons per minute.

This approval is based on the laboratory analytical data from the January 25, 2012, sampling event that represents the above requested discharges, as well as previous historical data. All other historical analytical results comply with the Phoenix City Code Chapter 28-8 Instantaneous Effluent Limitations. Environmental Resources Management is not required to sample cyanide or sulfides.

It appears that the approximately 9,000 gallons of wastewater meets the requirements under Chapter 28 of the Phoenix City Code. The wastewater is also determined not to be in sufficient quantity to injure or interfere with any sewage treatment process, cause corrosive structural damage, constitute a hazard to humans, or create any hazard to the sewer system, or in the receiving waters of the sewage treatment plant.

Please submit a final status report to the Environmental Services Division within 10 (ten) days of discharge. This report shall include the date of discharge, time of day the discharge occurred, and the total gallons of wastewater discharged.

If you have any questions, contact me at 602-534-2910. My office hours are 6:00 a.m. to 4:30 p.m., Monday through Thursday.

Sincerely,

Joe Dominguez

Joe Dominguez
Senior Water Quality Inspector
S:\Comm.\Corres.Log\ERM-12 ESD-08.doc
Enclosure

c: John Cummings, Chief Water Quality Inspector

City of Phoenix

MANHOLE ENTRY PERMIT

The City of Phoenix, acting through the Water Services Department, hereby issues a manhole permit to:

Environmental Resources Management
7272 E. Indian School Road, Ste. 100
Scottsdale, Arizona 85251

hereinafter called Permittee, for the purpose of entering a City of Phoenix Manhole N° 412 in Quarter Section 11-29; Manhole No. #221 in Quarter Section 9-28; Manhole No.106 in Quarter Section 11-27; Manhole No. 434 in Quarter Section 11-28; and Manhole No. 433, in Phoenix, Arizona.

The manhole entry permit is issued in accordance with Phoenix City Code Chapter 28 Sections 28-8 and 28-27 and subject to the following conditions:

1. That the only activities authorized by the permit are for the disposal of wastewater generated from Motorola 52nd Street Superfund Site, Unit 3, extraction wells located in Phoenix, Arizona. The Permittee shall conduct no other activity while entering upon the public property authorized by this permit.

2. That the Permittee's activities be conducted only within the time period of March 5, 2012 and March 30, 2012, unless authorized in writing by the Water Services Director for an extension of time, or unless revoked earlier, and that the Permittee notify the Water Services Department in advance of each separate entry.

3. Permittee shall measure and record the flows of the wastewater discharged to all manholes mentioned above. All flow data recorded shall be submitted to the Environmental Services Division within ten (10) days of completion.

4. Permittee shall incur costs of $1.39 per one hundred cubic feet (or current rate as established by water accounting) of ground water discharged.

5. That the Permittee obtain a street closure permit for restrictions of all streets, sidewalks, and alleys. Manholes located in major streets require street closure. Contact City of Phoenix Street Transportation (602-262-6235) for street closure procedures and permit.

6. That the Permittee, when finished with the removal and discharge activities, replace to the satisfaction of the Water Services Director, any manhole covers or other disturbances to the City of Phoenix sewer lines that Permittee caused during the course of Permittee activities. That the Permittee agrees to save and hold harmless, the City, any of its departments, agencies, officers or employees from all costs and damages occurred by any of the above from any damage to any person or property whatsoever which is caused by the activity, condition or event arising out of the negligent performance or nonperformance of any of the provisions of this permit by the Permittee, any of the Permittee's agents, or any of the Permittee's independent contractors. The above costs incurred by the City, any of its departments, agencies, officers or employees shall include in the event of any action, court cost, expensive litigation and reasonable attorney fees. When any of the above costs and/or damages occur as aforesaid, the Permittee assumes the burden of proof that the negligent activity, condition or event did not cause such cost damage or other expense the City may incur.

The Permittee agrees to the conditions set forth in this permit, and understands that all activities conducted under the conditions of this permit should conform to the laws of the City of Phoenix and the State of Arizona.

Dated this 13th day of March, 2012

RKM, Environmental Resources Management
Permittee

Dated this 13th day of March, 2012

CITY OF PHOENIX,
a municipal corporation

By: _____
John Cummings
Chief Water Quality Inspector
Water Services Department

City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

April 4, 2012

Mr. Jason Hiker
Geologist
Environmental Resources Management
7272 E. Indian School Rd. Ste. 100
Scottsdale, Arizona 85251

RE: Manhole Entry Permit Request for Discharge of Purge Water from Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area. Phoenix, Arizona-April 5, 2012 through April 30, 2012, Semi-annual Groundwater Monitoring Program

Dear Mr. Hiker:

The Environmental Services Division (ESD) received your e-mail Discharge Request Application Form dated March 29, 2012, requesting a Manhole Entry Permit for permission to discharge approximately 1,000 gallons of wastewater to the City Of Phoenix sanitary sewer. The purge water will be discharged into five city manholes located in Phoenix, Arizona. This purge water will be generated during groundwater sampling to characterize the extent and contamination of groundwater with volatile organic chemicals (VOC), particularly trichloroethylene (TCE). The sampling is conducted for the U.S. Environmental Protection Agency (EPA) Region 9.

Approval is hereby granted for the discharge of purge water consisting of 1,000 gallons from Operable Unit (OU) 3-1 study area into the City of Phoenix sanitary sewer system. This discharge, via City of Phoenix MH # 412 in QS 11-29; MH #221 in QS 9-28; MH #106 in QS 11-27; MH #434 in QS 11-28; and MH #433 in QS 11-28, is expected to occur some time during the time period of 4/5/2012 and 4/30/2012. In order to avoid hydraulic overloading of the sewer mains in the area, this discharge shall not exceed a flow rate of thirty-five (35) gallons per minute.

This approval is based on the laboratory analytical data from the September 2011, sampling event that represents the above requested discharges, as well as previous historical data. All other historical analytical results comply with the Phoenix City Code Chapter 28-8 Instantaneous Effluent Limitations. Environmental Resources Management is not required to sample cyanide or sulfides.

It appears that the approximately 1,000 gallons of wastewater meets the requirements under Chapter 28 of the Phoenix City Code. The wastewater is also determined not to be in sufficient quantity to injure or interfere with any sewage treatment process, cause corrosive structural damage, constitute a hazard to humans, or create any hazard to the sewer system, or in the receiving waters of the sewage treatment plant.

City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

Please submit a final status report to the Environmental Services Division within 10 (ten) days of discharge. This report shall include the date of discharge, time of day the discharge occurred, and the total gallons of wastewater discharged.

If you have any questions, contact me at 602-534-2910. My office hours are 6:00 a.m. to 4:30 p.m., Monday through Thursday.

Sincerely,

Joe Maldonado
Water Quality Inspector
S:\Comm.\Corres.Log\ERM-12 ESD-08.doc
Enclosure

c: John Cummings, Chief Water Quality Inspector

City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

MANHOLE ENTRY PERMIT

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Environmental Resources Management
7272 E. Indian School Road, Ste. 100
Scottsdale, Arizona 85251

hereinafter called Permittee, for the purpose of entering a City of Phoenix Manhole N° 412 in Quarter Section 11-29; Manhole No. #221 in Quarter Section 9-28; Manhole No.106 in Quarter Section 11-27; Manhole No. 434 in Quarter Section 11-28; and Manhole No. 433, in Phoenix, Arizona.

The manhole entry permit is issued in accordance with Phoenix City Code Chapter 28 Sections 28-8 and 28-27 and subject to the following conditions:

1. That the only activities authorized by the permit are for the disposal of wastewater generated from Motorola 52nd Street Superfund Site, Unit 3, extraction wells located in Phoenix, Arizona. The Permittee shall conduct no other activity while entering upon the public property authorized by this permit.

2. That the Permittee's activities be conducted only within the time period of April 5, 2012 and April 30, 2012, unless authorized in writing by the Water Services Director for an extension of time, or unless revoked earlier, and that the Permittee notify the Water Services Department in advance of each separate entry.

3. Permittee shall measure and record the flows of the wastewater discharged to all manholes mentioned above. All flow data recorded shall be submitted to the Environmental Services Division within ten (10) days of completion.

4. That the Permitted obtain a street closure permit for restrictions of all streets, sidewalks, and alleys. Manholes located in major streets require street closure. Contact City of Phoenix Street Transportation (602-262-6235) for street closure procedures and permit.

5. That the Permittee, when finished with the removal and discharge activities, replace to the satisfaction of the Water Services Director, any manhole covers or other disturbances to the City of Phoenix sewer lines that Permittee caused during the course of Permittee activities. That the Permittee agrees to save and hold harmless, the City, any of its departments, agencies, officers or employees from all costs and damages occurred by any of the above from any damage to any person or property whatsoever which is caused by the activity, condition or event arising out of the negligent performance or nonperformance of any of the provisions of this permit by the Permittee, any of the Permittee's agents, or any of the Permittee's independent contractors. The above costs incurred by the City, any of its departments, agencies, officers or employees shall include in the event of any action, court cost, expensive litigation and reasonable attorney fees. When any of the above costs and/or damages occur as aforesaid, the Permittee assumes the burden of proof that the negligent activity, condition or event did not cause such cost damage or other expense the City may incur.

The Permittee agrees to the conditions set forth in this permit, and understands that all activities conducted under the conditions of this permit should conform to the laws of the City of Phoenix and the State of Arizona.

Dated this 5 day of April, 2012

_____, Environmental Resources Management
Permittee

Dated this 4 day of April, 2012

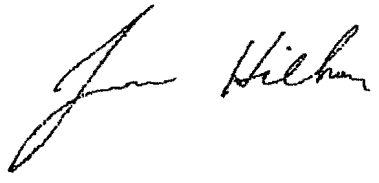
CITY OF PHOENIX,
a municipal corporation

By: _____
Lloyd Powell for John Cummings
Chief Water Quality Inspector
Water Services Department

City of Phoenix
Water Services Department
Pollution Control Division

Discharge Request Application Form

PERMITTEE		
(1) Company: Environmental Resources Management		
(2) Address: 7272 E. Indian School Road, Suite 100		
(3) City: Scottsdale		
(4) Contact Name: Jason Hilker		
(5) Position: Geologist	(6) Phone: 480-998-2401/602-390-1551	
FACILITY		
(7) Company: US EPA Region 9		
(8) Address: 75 Hawthorne St.		
(9) City: San Francisco	(10) State: CA	(11) Zip: 94105
(12) Contact Name: Janet Rosati		
(13) Position: Remedial Project Manager	(14) Phone: 415-792-3526	
DISCHARGE		
(15) Purpose of Discharge: Disposal of purge water extracted during groundwater well sampling, aquifer testing and development.		
(16) Source of Discharge Water: Extracted groundwater from OU-3 study area		
CHARACTERISTICS		
(17) Volume (in gallons): ~1,000	(18) pH: 6.5 to 8.0	(19) Discharge rate (in gpm): ~35
(20) MSDS and / or Technical Information Sheets available: Yes ☑		No ☐
Analytical Results for the discharge must be submitted to Pollution Control Division.: (21) Are analytical results included with the discharge request? Yes: ☑ submitted via email No: ☐		
(22) Date Analytical Results for the discharge submitted to PCD: 3-29-12		
(23) Indicate how the wastewater is currently stored. The groundwater has not been extracted yet.		
(24) How will wastewater be transported to discharge point? Trailer mounted 500 gallon tank or similar.		
(25) Description of discharge point? City of Phoenix manholes located in downtown Phoenix area.		

(26) Description of City of Phoenix manhole: Quarter Section[1]:	11-29 / 09-28 / 11-27 / 11-28 / 11-28 /	Manhole N°. 412 221 106 434 433
(27) Have alternate disposal options been investigated? Yes ☐		No ☑
(28) Describe the alternate disposal options investigated:		
(29) Proposed Date(s) of discharge: Between 4/2/12 and 4/30/12		
The discharge request MUST be signed by the person making the request (contact) before it will receive consideration by the Pollution Control Division.		
(30) Contact Name: Jason Hilker	(31) Position: Geologist	
(32) Contact Signature: 	(33) Date: 3/29/12	
(34) Comments:		

NOTES:
If access to the discharge point will require a street closure then a permit must be obtained from the City of Phoenix Streets Department [Telephone N°. (602) 262-6235].

[1]Quarter Section and manhole information may be obtained by calling (602) 495-4601 then select option 3.

Appendix D
OU3 Historical Groundwater Elevations and Water Quality Data

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
BE-MW-8	3/6/2008	991.16	85.19	--
BE-MW-8	9/2/2008	988.17	88.18	-2.99
BE-MW-8	3/2/2009	993.99	82.36	5.82
BE-MW-8	9/8/2009	989.65	86.7	-4.34
BE-MW-8	3/15/2010	995.97	80.38	6.32
BE-MW-8	9/13/2010	988.75	87.6	-7.22
BE-MW-8	3/7/2011	997.69	78.66	8.94
BE-MW-8	9/6/2011	990.87	85.48	-6.82
BE-MW-8	3/12/2012	993.38	82.97	2.51
DT-DW-5	12/14/1992	1,019.60	58.3	24.67
DT-DW-5	2/7/1994	1,023.44	54.46	3.84
DT-DW-5	11/1/1994	1,013.22	64.68	-10.22
DT-DW-5	6/18/2002	990.31	87.59	-22.91
DT-DW-5	9/3/2002	987.38	90.52	-2.93
DT-DW-5	12/16/2002	988.72	89.18	1.34
DT-DW-5	2/27/2003	991.08	86.82	2.36
DT-DW-5	3/5/2004	988.98	88.92	-2.1
DT-DW-5	9/9/2004	--	--	--
DT-DW-5	3/1/2005	988.81	89.09	--
DT-DW-5	9/1/2005	986.78	91.12	-2.03
DT-DW-5	3/13/2006	991.68	86.22	4.9
DT-DW-5	9/5/2006	983.49	94.41	-8.19
DT-DW-5	3/15/2007	989.48	88.42	5.99
DT-DW-5	9/4/2007	982.17	95.73	-7.31
DT-DW-5	3/6/2008	988.46	89.44	6.29
DT-DW-5	9/2/2008	985.14	92.76	-3.32
DT-DW-5	3/2/2009	991.58	86.32	6.44
DT-DW-5	9/8/2009	987.12	90.78	-4.46
DT-DW-5	3/15/2010	987.12	90.78	0
DT-DW-5	9/13/2010	991.78	86.12	4.66
DT-DW-5	3/7/2011	996.93	80.97	5.15
DT-DW-5	9/7/2011	988.62	89.28	-8.31
DT-DW-5	3/12/2012	992.04	85.86	3.42
EW-13-118	9/21/2004	998.65	94.06	--
EW-13-118	3/3/2005	1,001.22	91.49	2.57
EW-13-118	9/2/2005	1,004.61	88.1	3.39
EW-13-118	3/16/2006	1,005.28	87.43	0.67
EW-13-118	9/25/2006	1,002.81	89.9	-2.47
EW-13-118	3/2/2007	1,004.88	87.83	2.07
EW-13-118	9/5/2007	1,002.67	90.04	-2.21
EW-13-118	3/24/2008	1,003.96	88.75	1.29
EW-13-118	9/4/2008	1,004.86	87.85	0.9
EW-13-118	3/16/2009	1,007.47	85.24	2.61
EW-13-118	10/1/2009	1,005.92	86.79	-1.55
EW-13-118	3/26/2010	1,008.07	84.64	2.15
EW-13-118	9/24/2010	1,011.57	81.14	3.5
EW-13-118	3/18/2011	1,009.36	83.35	-2.21
EW-13-118	9/16/2011	1,007.19	85.52	-2.17
EW-13-118	3/12/2012	1,007.21	85.5	0.02
EW-13-168	9/21/2004	998.64	94.07	--
EW-13-168	3/3/2005	1,001.27	91.44	2.63
EW-13-168	9/2/2005	1,004.62	88.09	3.35
EW-13-168	3/16/2006	1,005.24	87.47	0.62
EW-13-168	9/25/2006	1,002.82	89.89	-2.42
EW-13-168	3/2/2007	1,004.76	87.95	1.94
EW-13-168	9/5/2007	1,002.68	90.03	-2.08
EW-13-168	3/24/2008	1,003.95	88.76	1.27
EW-13-168	9/4/2008	1,004.92	87.79	0.97
EW-13-168	3/16/2009	1,007.48	85.23	2.56
EW-13-168	10/1/2009	1,005.72	86.99	-1.76
EW-13-168	3/26/2010	1,007.73	84.98	2.01
EW-13-168	9/24/2010	1,011.72	80.99	3.99
EW-13-168	3/18/2011	1,009.28	83.43	-2.44
EW-13-168	9/16/2011	1,007.20	85.51	-2.08
EW-13-168	3/12/2012	1,007.20	85.51	0
EW-13-228	9/21/2004	999.84	92.87	--
EW-13-228	3/4/2005	1,003.79	88.92	3.95
EW-13-228	9/2/2005	1,006.56	86.15	2.77
EW-13-228	3/16/2006	1,007.73	84.98	1.17
EW-13-228	9/25/2006	1,005.15	87.56	-2.58
EW-13-228	3/2/2007	1,007.04	85.67	1.89
EW-13-228	9/5/2007	1,004.36	88.35	-2.68
EW-13-228	3/24/2008	1,006.58	86.13	2.22
EW-13-228	9/4/2008	1,007.13	85.58	0.55
EW-13-228	3/16/2009	1,009.92	82.79	2.79
EW-13-228	10/1/2009	1,007.82	84.89	-2.1
EW-13-228	3/26/2010	1,010.71	82	2.89

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
EW-13-228	9/24/2010	1,013.57	79.14	2.86
EW-13-228	3/18/2011	1,011.26	81.45	-2.31
EW-13-228	9/16/2011	1,009.07	83.64	-2.19
EW-13-228	3/12/2012	1,009.42	83.29	0.35
EW-13-268	9/21/2004	1,000.14	92.57	--
EW-13-268	3/3/2005	1,005.36	87.35	5.22
EW-13-268	9/2/2005	1,007.04	85.67	1.68
EW-13-268	3/16/2006	1,008.49	84.22	1.45
EW-13-268	9/25/2006	1,005.79	86.92	-2.7
EW-13-268	3/2/2007	1,007.46	85.25	1.67
EW-13-268	9/5/2007	1,004.69	88.02	-2.77
EW-13-268	3/24/2008	1,007.41	85.3	2.72
EW-13-268	9/4/2008	1,007.73	84.98	0.32
EW-13-268	3/16/2009	1,010.52	82.19	2.79
EW-13-268	10/1/2009	1,008.38	84.33	-2.14
EW-13-268	3/26/2010	1,011.61	81.1	3.23
EW-13-268	9/24/2010	1,014.14	78.57	2.53
EW-13-268	3/18/2011	1,012.02	80.69	-2.12
EW-13-268	9/16/2011	1,009.62	83.09	-2.4
EW-13-268	3/12/2012	1,010.08	82.63	0.46
EW-19S	2/1/1994	1,032.16	55.16	--
EW-19S	10/31/1994	1,027.46	59.86	-4.7
EW-19S	4/26/1995	1,030.32	57	2.86
EW-19S	12/5/1995	1,028.77	58.55	-1.55
EW-19S	4/2/1996	1,030.33	56.99	1.56
EW-19S	10/10/1996	1,022.88	64.44	-7.45
EW-19S	4/10/1997	1,024.79	62.53	1.91
EW-19S	8/16/1997	1,017.92	69.4	-6.87
EW-19S	9/18/1997	1,017.11	70.21	-0.81
EW-19S	10/16/1997	1,016.78	70.54	-0.33
EW-19S	11/19/1997	1,016.81	70.51	0.03
EW-19S	12/15/1997	1,017.22	70.1	0.41
EW-19S	4/27/1998	1,019.08	68.24	1.86
EW-19S	11/19/1998	1,016.65	70.67	-2.43
EW-19S	6/15/1999	1,016.32	71	-0.33
EW-19S	12/8/1999	1,013.29	74.03	-3.03
EW-19S	9/3/2002	1,000.64	86.68	-12.65
EW-19S	12/16/2002	998.87	88.45	-1.77
EW-19S	2/27/2003	1,000.05	87.27	1.18
EW-19S	9/2/2003	997.12	90.2	-2.93
EW-19S	3/1/2004	996.82	90.5	-0.3
EW-19S	9/1/2004	993.65	93.67	-3.17
EW-19S	3/1/2005	995.06	92.26	1.41
EW-19S	9/1/2005	998.16	89.16	3.1
EW-19S	3/1/2006	999.82	87.5	1.66
EW-19S	9/5/2006	996.68	90.64	-3.14
EW-19S	3/1/2007	998.71	88.61	2.03
EW-19S	9/4/2007	996.19	91.13	-2.52
EW-19S	3/6/2008	996.98	90.34	0.79
EW-19S	9/2/2008	998.84	89.48	0.86
EW-19S	3/2/2009	1,000.82	86.5	2.98
EW-19S	9/8/2009	999.95	87.37	-0.87
EW-19S	3/15/2010	1,001.00	86.32	1.05
EW-19S	9/13/2010	1,004.15	83.17	3.15
EW-19S	3/7/2011	1,005.23	82.09	1.08
EW-19S	9/6/2011	1,001.45	85.87	-3.78
EW-19S	2/27/2012	1,001.64	85.78	0.09
EW-19S	3/13/2012	1,001.59	85.73	0.05
EW-19D	12/15/1992	1,031.44	55.9	--
EW-19D	2/2/1994	1,036.22	51.12	4.78
EW-19D	11/2/1994	1,029.52	57.82	-6.7
EW-19D	4/28/1995	1,034.34	53	4.82
EW-19D	12/4/1995	1,032.76	54.58	-1.58
EW-19D	4/12/1996	1,031.85	55.49	-0.91
EW-19D	10/14/1996	1,028.18	59.16	-3.67
EW-19D	4/8/1997	1,027.23	60.11	-0.95
EW-19D	8/16/1997	1,016.63	70.71	-10.6
EW-19D	9/18/1997	1,023.05	64.29	6.42
EW-19D	10/16/1997	1,023.47	63.87	0.42
EW-19D	11/19/1997	1,023.99	63.35	0.52
EW-19D	12/31/1997	1,024.75	62.59	0.76
EW-19D	5/13/1998	1,024.87	62.47	0.12
EW-19D	12/8/1998	1,024.21	63.13	-0.66
EW-19D	6/30/1999	1,019.20	68.14	-5.01
EW-19D	12/15/1999	1,020.14	67.2	0.94
EW-19D	9/3/2002	1,005.76	81.58	-14.38
EW-19D	12/16/2002	1,007.24	80.1	1.48

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
EW-19D	2/27/2003	1,008.45	78.89	1.21
EW-19D	9/2/2003	1,002.19	85.15	-6.26
EW-19D	3/1/2004	1,004.86	82.48	2.67
EW-19D	9/1/2004	998.61	88.73	-6.25
EW-19D	3/1/2005	1,004.96	82.38	6.35
EW-19D	9/1/2005	1,004.70	82.64	-0.26
EW-19D	3/1/2006	1,008.24	79.1	3.54
EW-19D	9/5/2006	1,003.43	83.91	-4.81
EW-19D	3/1/2007	1,006.87	80.47	3.44
EW-19D	9/4/2007	1,002.11	85.23	-4.76
EW-19D	3/6/2008	1,006.12	81.22	4.01
EW-19D	9/2/2008	1,004.93	82.41	-1.19
EW-19D	3/2/2009	1,009.35	77.99	4.42
EW-19D	9/8/2009	1,006.57	80.77	-2.78
EW-19D	3/15/2010	1,010.59	76.75	4.02
EW-19D	9/13/2010	1,010.67	76.67	0.08
EW-19D	3/7/2011	1,013.78	73.56	3.11
EW-19D	9/6/2011	1,007.71	79.63	-6.07
EW-19D	2/27/2012	1,009.68	77.8	1.83
EW-19D	3/13/2012	1,009.44	77.9	-0.1
EW-20	1/31/1994	1,029.94	61.44	--
EW-20	10/31/1994	1,022.36	69.02	-7.58
EW-20	4/26/1995	1,028.41	62.97	6.05
EW-20	12/5/1995	1,024.43	66.95	-3.98
EW-20	4/2/1996	1,026.65	64.73	2.22
EW-20	10/9/1996	1,020.63	70.75	-6.02
EW-20	4/8/1997	1,020.48	70.9	-0.15
EW-20	10/16/1997	1,014.26	77.12	-6.22
EW-20	11/19/1997	1,014.38	77	0.12
EW-20	12/15/1997	1,020.60	70.78	6.22
EW-20	4/29/1998	1,016.78	74.6	-3.82
EW-20	11/19/1998	1,014.01	77.37	-2.77
EW-20	6/16/1999	1,013.86	77.52	-0.15
EW-20	12/8/1999	1,010.71	80.67	-3.15
EW-20	6/18/2002	1,001.22	90.16	-9.49
EW-20	9/3/2002	998.49	92.89	-2.73
EW-20	12/16/2002	996.82	94.56	-1.67
EW-20	2/27/2003	998.05	93.33	1.23
EW-20	9/2/2003	994.98	96.4	-3.07
EW-20	3/1/2004	994.85	96.53	-0.13
EW-20	9/1/2004	991.39	99.99	-3.46
EW-20	3/1/2005	992.74	98.64	1.35
EW-20	9/1/2005	995.54	95.84	2.8
EW-20	3/1/2006	997.55	93.83	2.01
EW-20	9/5/2006	994.10	97.28	-3.45
EW-20	3/1/2007	996.24	95.14	2.14
EW-20	9/4/2007	993.47	97.91	-2.77
EW-20	3/6/2008	994.50	96.88	1.03
EW-20	9/2/2008	994.95	96.43	0.45
EW-20	3/2/2009	998.25	93.13	3.3
EW-20	9/8/2009	997.14	94.24	-1.11
EW-20	3/15/2010	998.55	92.83	1.41
EW-20	9/13/2010	1,001.01	90.37	2.46
EW-20	3/7/2011	1,002.85	88.53	1.84
EW-20	9/6/2011	998.91	92.47	-3.94
EW-20	3/13/2012	999.23	92.15	0.32
EW-21	1/31/1994	1,033.22	61.02	--
EW-21	10/31/1994	1,026.06	68.18	-7.16
EW-21	4/26/1995	1,031.05	63.19	4.99
EW-21	12/5/1995	1,028.14	66.1	-2.91
EW-21	4/2/1996	1,030.02	64.22	1.88
EW-21	10/9/1996	1,024.66	69.58	-5.36
EW-21	4/8/1997	1,024.37	69.87	-0.29
EW-21	9/18/1997	1,019.25	74.99	-5.12
EW-21	10/16/1997	1,018.81	75.43	-0.44
EW-21	11/19/1997	1,018.68	75.56	-0.13
EW-21	12/14/1997	1,018.85	75.39	0.17
EW-21	4/28/1998	1,020.41	73.83	1.56
EW-21	11/19/1998	1,018.42	75.82	-1.99
EW-21	6/16/1999	1,018.11	76.13	-0.31
EW-21	12/8/1999	1,015.09	79.15	-3.02
EW-21	9/3/2002	1,002.84	91.4	-12.25
EW-21	12/16/2002	1,000.85	93.39	-1.99
EW-21	2/27/2003	1,001.89	92.35	1.04
EW-21	9/2/2003	999.23	95.01	-2.66
EW-21	3/1/2004	998.55	95.69	-0.68
EW-21	9/1/2004	995.97	98.27	-2.58

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
INTER-TEL MW-1	3/6/2008	Dry	--	--
INTER-TEL MW-1	9/2/2008	Dry	--	--
INTER-TEL MW-1	3/2/2009	Dry	--	--
INTER-TEL MW-1	9/8/2009	Dry	--	--
INTER-TEL MW-1	3/15/2010	Dry	--	--
INTER-TEL MW-1	3/7/2011	1,000.52	87.86	--
INTER-TEL MW-1	9/6/2011	999.81	88.57	-0.71
INTER-TEL MW-1	3/13/2012	999.14	89.24	-0.67
OU3-1M	6/18/2002	1,004.35	88.95	--
OU3-1M	9/3/2002	1,002.01	91.29	-2.34
OU3-1M	12/16/2002	1,000.08	93.22	-1.93
OU3-1M	2/27/2003	1,001.12	92.18	1.04
OU3-1M	9/2/2003	998.42	94.88	-2.7
OU3-1M	3/1/2004	997.79	95.51	-0.63
OU3-1M	9/1/2004	995.15	98.15	-2.64
OU3-1M	3/1/2005	995.71	97.59	0.56
OU3-1M	9/1/2005	998.82	94.48	3.11
OU3-1M	3/1/2006	1,000.39	92.91	1.57
OU3-1M	9/5/2006	997.77	95.53	-2.62
OU3-1M	3/1/2007	999.35	93.95	1.58
OU3-1M	9/4/2007	997.20	96.1	-2.15
OU3-1M	3/6/2008	997.55	95.75	0.35
OU3-1M	9/2/2008	998.42	94.88	0.87
OU3-1M	3/2/2009	1,001.16	92.14	2.74
OU3-1M	9/8/2009	1,000.61	92.69	-0.55
OU3-1M	3/15/2010	1,001.37	91.93	0.76
OU3-1M	9/13/2010	1,004.27	89.03	2.9
OU3-1M	3/7/2011	1,005.34	87.96	1.07
OU3-1M	9/6/2011	1,002.27	91.03	-3.07
OU3-1M	3/13/2012	1,002.16	91.14	-0.11
OU3-1D	6/18/2002	1,010.85	82.24	--
OU3-1D	9/3/2002	1,007.98	85.11	-2.87
OU3-1D	12/16/2002	1,010.39	82.7	2.41
OU3-1D	2/27/2003	1,011.41	81.68	1.02
OU3-1D	9/2/2003	1,004.11	88.98	-7.3
OU3-1D	3/1/2004	1,007.59	85.5	3.48
OU3-1D	9/1/2004	1,000.58	92.51	-7.01
OU3-1D	3/1/2005	1,007.66	85.43	7.08
OU3-1D	9/1/2005	1,006.74	86.35	-0.92
OU3-1D	3/1/2006	1,010.97	82.12	4.23
OU3-1D	9/5/2006	1,005.80	87.29	-5.17
OU3-1D	3/1/2007	1,009.40	83.69	3.6
OU3-1D	9/4/2007	1,004.24	88.85	-5.16
OU3-1D	3/6/2008	1,008.73	84.36	4.49
OU3-1D	9/2/2008	1,006.97	86.12	-1.76
OU3-1D	3/2/2009	1,011.70	81.39	4.73
OU3-1D	9/8/2009	1,008.59	84.5	-3.11
OU3-1D	3/15/2010	1,013.11	79.98	4.52
OU3-1D	9/13/2010	1,012.25	80.84	-0.86
OU3-1D	3/7/2011	1,014.77	78.32	2.52
OU3-1D	9/6/2011	1,009.77	83.32	-5
OU3-1D	3/13/2012	1,011.81	81.28	2.04
OU3-2M	6/18/2002	1,003.52	84.45	--
OU3-2M	9/3/2002	1,001.12	86.85	-2.4
OU3-2M	12/16/2002	999.40	88.57	-1.72
OU3-2M	2/27/2003	1,000.53	87.44	1.13
OU3-2M	9/2/2003	997.66	90.31	-2.87
OU3-2M	3/1/2004	997.24	90.73	-0.42
OU3-2M	9/1/2004	994.28	93.69	-2.96
OU3-2M	3/1/2005	995.63	92.34	1.35
OU3-2M	9/1/2005	998.63	89.34	3
OU3-2M	3/1/2006	1,000.54	87.43	1.91
OU3-2M	9/5/2006	997.20	90.77	-3.34
OU3-2M	3/1/2007	999.18	88.79	1.98
OU3-2M	9/4/2007	996.71	91.26	-2.47
OU3-2M	3/6/2008	997.49	90.48	0.78
OU3-2M	9/2/2008	998.31	89.66	0.82
OU3-2M	3/2/2009	1,001.27	86.7	2.96
OU3-2M	9/8/2009	1,000.41	87.56	-0.86
OU3-2M	3/15/2010	1,001.44	86.56	1
OU3-2M	9/13/2010	1,004.48	83.52	3.04
OU3-2M	3/7/2011	1,005.55	82.45	1.07
OU3-2M	9/6/2011	1,008.66	86.08	-3.63
OU3-2M	3/13/2012	1,008.79	85.95	0.13
OU3-4S	6/18/2002	1,006.76	87.98	--
OU3-4S	9/3/2002	1,004.72	90.02	-2.04
OU3-4S	12/16/2002	1,002.62	92.12	-2.1

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-4S	2/27/2003	1,003.17	91.57	0.55
OU3-4S	9/2/2003	1,001.04	93.7	-2.13
OU3-4S	3/1/2004	999.88	94.86	-1.16
OU3-4S	9/1/2004	997.96	96.78	-1.92
OU3-4S	3/1/2005	997.64	97.1	-0.32
OU3-4S	9/1/2005	1,000.73	94.01	3.09
OU3-4S	3/1/2006	1,002.04	92.7	1.31
OU3-4S	9/5/2006	1,000.34	94.4	-1.7
OU3-4S	3/1/2007	1,001.13	93.61	0.79
OU3-4S	9/4/2007	999.61	95.13	-1.52
OU3-4S	3/6/2008	999.38	95.36	-0.23
OU3-4S	9/2/2008	1,000.37	94.37	0.99
OU3-4S	3/2/2009	1,002.54	92.2	2.17
OU3-4S	9/8/2009	1,002.51	92.23	-0.03
OU3-4S	3/15/2010	1,002.79	91.95	0.28
OU3-4S	9/13/2010	1,005.49	89.25	2.7
OU3-4S	3/7/2011	1,006.41	88.33	0.92
OU3-4S	9/6/2011	1,004.22	90.52	-2.19
OU3-4S	3/13/2012	1,003.71	91.03	-0.51
OU3-5SR	8/11/2003	992.89	94.39	--
OU3-5SR	12/1/2003	991.31	95.97	-1.58
OU3-5SR	3/1/2004	993.10	94.18	1.79
OU3-5SR	9/1/2004	988.67	98.61	-4.43
OU3-5SR	3/1/2005	990.84	96.44	2.17
OU3-5SR	9/1/2005	992.76	94.52	1.92
OU3-5SR	3/1/2006	995.56	91.72	2.8
OU3-5SR	9/5/2006	991.10	96.18	-4.46
OU3-5SR	4/3/2007	994.38	92.9	3.28
OU3-5SR	9/4/2007	990.32	96.96	-4.06
OU3-5SR	3/6/2008	992.33	94.95	2.01
OU3-5SR	9/2/2008	991.77	95.51	-0.56
OU3-5SR	3/2/2009	995.77	91.51	4
OU3-5SR	9/8/2009	993.89	93.39	-1.88
OU3-5SR	3/15/2010	996.26	91.02	2.37
OU3-5SR	9/13/2010	997.64	89.64	1.38
OU3-5SR	3/7/2011	1,000.55	86.73	2.91
OU3-5SR	9/6/2011	995.78	91.5	-4.77
OU3-5SR	3/12/2012	996.83	90.45	1.05
OU3-5MR	8/11/2003	992.79	94.58	--
OU3-5MR	12/1/2003	991.24	96.13	-1.55
OU3-5MR	3/1/2004	993.03	94.34	1.79
OU3-5MR	9/1/2004	988.97	98.4	-4.06
OU3-5MR	3/1/2005	990.77	96.6	1.8
OU3-5MR	9/1/2005	992.66	94.71	1.89
OU3-5MR	3/1/2006	995.49	91.88	2.83
OU3-5MR	9/5/2006	990.99	96.38	-4.5
OU3-5MR	3/1/2007	993.96	93.41	2.97
OU3-5MR	9/4/2007	990.22	97.15	-3.74
OU3-5MR	3/6/2008	992.28	95.09	2.06
OU3-5MR	9/2/2008	991.70	95.67	-0.58
OU3-5MR	3/2/2009	995.81	91.56	4.11
OU3-5MR	9/8/2009	993.83	93.54	-1.98
OU3-5MR	3/15/2010	996.18	91.19	2.35
OU3-5MR	9/13/2010	997.56	89.81	1.38
OU3-5MR	3/7/2011	1,000.53	86.84	2.97
OU3-5MR	9/6/2011	995.72	91.65	-4.81
OU3-5MR	3/12/2012	996.74	90.63	1.02
OU3-5M2	5/29/2003	995.37	91.87	--
OU3-5M2	8/12/2003	992.73	94.51	-2.64
OU3-5M2	12/1/2003	991.20	96.04	-1.53
OU3-5M2	3/1/2004	993.00	94.24	1.8
OU3-5M2	9/1/2004	988.47	98.77	-4.53
OU3-5M2	3/1/2005	990.74	96.5	2.27
OU3-5M2	9/1/2005	992.62	94.62	1.88
OU3-5M2	3/1/2006	995.47	91.77	2.85
OU3-5M2	9/9/2006	990.85	96.39	-4.62
OU3-5M2	3/10/2007	994.17	93.07	3.32
OU3-5M2	9/4/2007	990.15	97.09	-4.02
OU3-5M2	3/6/2008	992.24	95	2.09
OU3-5M2	9/2/2008	991.64	95.6	-0.6
OU3-5M2	3/2/2009	995.69	91.55	4.05
OU3-5M2	9/8/2009	993.75	93.49	-1.94
OU3-5M2	3/15/2010	996.14	91.1	2.39
OU3-5M2	9/13/2010	997.46	89.78	1.32
OU3-5M2	3/7/2011	1,000.48	86.76	3.02
OU3-5M2	9/6/2011	995.64	91.6	-4.84
OU3-5M2	3/12/2012	996.72	90.52	1.08

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Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-5DR	8/12/2003	995.79	91.56	--
OU3-5DR	12/1/2003	996.01	91.34	0.22
OU3-5DR	3/1/2004	998.05	89.3	2.04
OU3-5DR	9/1/2004	991.34	96.01	-6.71
OU3-5DR	3/1/2005	997.26	90.09	5.92
OU3-5DR	9/1/2005	997.00	90.35	-0.26
OU3-5DR	3/1/2006	1,001.02	86.33	4.02
OU3-5DR	9/5/2006	995.21	92.14	-5.81
OU3-5DR	3/1/2007	999.18	88.17	3.97
OU3-5DR	9/4/2007	994.03	93.32	-5.15
OU3-5DR	3/6/2008	998.26	89.09	4.23
OU3-5DR	9/2/2008	996.43	90.92	-1.83
OU3-5DR	3/2/2009	1,001.58	85.77	5.15
OU3-5DR	9/8/2009	1,001.85	85.5	0.27
OU3-5DR	3/15/2010	1,002.65	84.7	0.8
OU3-5DR	9/13/2010	1,002.37	84.98	-0.28
OU3-5DR	3/7/2011	1,001.12	86.23	-1.25
OU3-5DR	9/6/2011	999.86	87.49	-1.26
OU3-5DR	3/12/2012	1,001.93	85.42	2.07
OU3-6M	6/18/2002	996.52	87.14	--
OU3-6M	9/3/2002	993.62	90.04	-2.9
OU3-6M	12/16/2002	993.27	90.39	-0.35
OU3-6M	2/27/2003	995.10	88.56	1.83
OU3-6M	9/2/2003	990.06	93.6	-5.04
OU3-6M	3/1/2004	992.28	91.38	2.22
OU3-6M	9/1/2004	986.73	96.93	-5.55
OU3-6M	3/1/2005	990.39	93.27	3.66
OU3-6M	9/1/2005	991.47	92.19	1.08
OU3-6M	3/1/2006	994.91	88.75	3.44
OU3-6M	9/5/2006	989.37	94.29	-5.54
OU3-6M	3/1/2007	993.31	90.35	3.94
OU3-6M	9/4/2007	988.54	95.12	-4.77
OU3-6M	3/6/2008	991.71	91.95	3.17
OU3-6M	9/2/2008	990.38	93.28	-1.33
OU3-6M	3/2/2009	995.23	88.43	4.85
OU3-6M	9/8/2009	992.51	91.15	-2.72
OU3-6M	3/15/2010	995.75	87.91	3.24
OU3-6M	9/13/2010	996.54	87.12	0.79
OU3-6M	3/7/2011	1,000.19	83.47	3.65
OU3-6M	9/6/2011	994.31	89.35	-5.88
OU3-6M	3/13/2012	995.88	87.78	1.57
OU3-6D	6/18/2002	998.88	84.89	--
OU3-6D	9/3/2002	995.93	87.84	-2.95
OU3-6D	12/16/2002	996.73	87.04	0.8
OU3-6D	2/27/2003	998.43	85.34	1.7
OU3-6D	9/2/2003	992.79	90.98	-5.64
OU3-6D	3/1/2004	995.44	88.33	2.65
OU3-6D	9/1/2004	988.90	94.87	-6.54
OU3-6D	3/1/2005	994.65	89.12	5.75
OU3-6D	9/1/2005	994.44	89.33	-0.21
OU3-6D	3/6/2006	1,000.23	83.54	5.79
OU3-6D	9/5/2006	992.37	91.4	-7.86
OU3-6D	3/1/2007	996.72	87.05	4.35
OU3-6D	9/4/2007	991.32	92.45	-5.4
OU3-6D	3/6/2008	995.58	88.19	4.26
OU3-6D	9/2/2008	993.74	90.03	-1.84
OU3-6D	3/2/2009	998.93	84.84	5.19
OU3-6D	9/8/2009	995.63	88.14	-3.3
OU3-6D	3/15/2010	999.88	83.89	4.25
OU3-6D	9/13/2010	999.93	83.84	0.05
OU3-6D	3/7/2011	1,003.71	80.06	3.78
OU3-6D	9/6/2011	997.20	86.57	-6.51
OU3-6D	3/13/2012	999.32	84.45	2.12
OU3-7S	6/18/2002	1,001.09	84.2	--
OU3-7S	9/3/2002	998.40	86.89	-2.69
OU3-7S	12/16/2002	996.52	88.77	-1.88
OU3-7S	2/27/2003	997.44	87.85	0.92
OU3-7S	9/2/2003	994.96	90.33	-2.48
OU3-7S	3/1/2004	994.34	90.95	-0.62
OU3-7S	9/1/2004	991.34	93.95	-3
OU3-7S	3/1/2005	991.71	93.58	0.37
OU3-7S	9/1/2005	994.40	90.89	2.69
OU3-7S	3/1/2006	996.33	88.96	1.93
OU3-7S	9/5/2006	993.56	91.73	-2.77
OU3-7S	3/1/2007	995.02	90.27	1.46
OU3-7S	9/4/2007	992.64	92.65	-2.38
OU3-7S	3/6/2008	993.18	92.11	0.54

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Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-7S	9/2/2008	993.46	91.83	0.28
OU3-7S	3/2/2009	996.27	89.02	2.81
OU3-7S	9/8/2009	995.57	89.72	-0.7
OU3-7S	3/15/2010	996.84	88.45	1.27
OU3-7S	9/13/2010	998.69	86.6	1.85
OU3-7S	3/7/2011	1,000.80	84.49	2.11
OU3-7S	9/6/2011	997.67	87.62	-3.13
OU3-7S	3/13/2012	997.77	87.52	0.1
OU3-7M2	6/18/2002	1,001.29	84.3	--
OU3-7M2	9/3/2002	998.68	86.91	-2.61
OU3-7M2	12/16/2002	996.82	88.77	-1.86
OU3-7M2	2/27/2003	997.74	87.85	0.92
OU3-7M2	9/2/2003	995.19	90.4	-2.55
OU3-7M2	3/1/2004	994.64	90.95	-0.55
OU3-7M2	9/1/2004	991.64	93.95	-3
OU3-7M2	3/1/2005	992.02	93.57	0.38
OU3-7M2	9/1/2005	994.68	90.91	2.66
OU3-7M2	3/1/2006	996.62	88.97	1.94
OU3-7M2	9/5/2006	993.82	91.77	-2.8
OU3-7M2	3/1/2007	995.32	90.27	1.5
OU3-7M2	9/4/2007	993.52	92.07	-1.8
OU3-7M2	3/6/2008	993.48	92.11	-0.04
OU3-7M2	9/2/2008	993.73	91.86	0.25
OU3-7M2	3/2/2009	996.57	89.02	2.84
OU3-7M2	3/2/2009	996.57	89.02	0
OU3-7M2	9/8/2009	995.83	89.76	-0.74
OU3-7M2	3/15/2010	997.13	88.46	1.3
OU3-7M2	9/13/2010	998.96	86.63	1.83
OU3-7M2	3/7/2011	1,001.06	84.53	2.1
OU3-7M2	9/6/2011	997.89	87.7	-3.17
OU3-7M2	3/13/2012	998.04	87.55	0.15
OU3-8S	6/18/2002	990.66	89.39	--
OU3-8S	9/3/2002	987.12	92.93	-3.54
OU3-8S	12/16/2002	987.12	92.93	0
OU3-8S	2/27/2003	989.44	90.61	2.32
OU3-8S	9/2/2003	984.33	95.72	-5.11
OU3-8S	3/1/2004	986.76	93.29	2.43
OU3-8S	9/1/2004	980.22	99.83	-6.54
OU3-8S	3/1/2005	983.83	96.22	3.61
OU3-8S	9/1/2005	984.36	95.69	0.53
OU3-8S	3/1/2006	988.87	91.18	4.51
OU3-8S	9/5/2006	982.35	97.7	-6.52
OU3-8S	3/1/2007	986.80	93.25	4.45
OU3-8S	9/4/2007	981.21	98.84	-5.59
OU3-8S	3/6/2008	984.89	95.16	3.68
OU3-8S	9/2/2008	982.48	97.57	-2.41
OU3-8S	3/2/2009	988.10	91.95	5.62
OU3-8S	9/8/2009	984.65	95.4	-3.45
OU3-8S	3/15/2010	990.00	90.05	5.35
OU3-8S	9/13/2010	988.08	91.97	-1.92
OU3-8S	3/7/2011	993.44	86.61	5.36
OU3-8S	9/6/2011	986.92	93.13	-6.52
OU3-8S	3/13/2012	989.43	90.62	2.51
OU3-8M2	6/18/2002	990.95	89.44	--
OU3-8M2	9/3/2002	987.60	92.79	-3.35
OU3-8M2	12/16/2002	987.69	92.7	0.09
OU3-8M2	2/27/2003	989.99	90.4	2.3
OU3-8M2	9/2/2003	984.69	95.7	-5.3
OU3-8M2	3/1/2004	987.31	93.08	2.62
OU3-8M2	9/1/2004	980.75	99.64	-6.56
OU3-8M2	3/1/2005	984.53	95.86	3.78
OU3-8M2	9/1/2005	984.93	95.46	0.4
OU3-8M2	3/1/2006	989.55	90.84	4.62
OU3-8M2	9/5/2006	982.97	97.42	-6.58
OU3-8M2	3/1/2007	987.45	92.94	4.48
OU3-8M2	9/4/2007	981.83	98.56	-5.62
OU3-8M2	3/6/2008	985.60	94.79	3.77
OU3-8M2	9/2/2008	983.16	97.23	-2.44
OU3-8M2	3/2/2009	988.80	91.59	5.64
OU3-8M2	9/8/2009	985.26	95.13	-3.54
OU3-8M2	3/15/2010	989.57	90.82	4.31
OU3-8M2	9/13/2010	988.88	91.51	-0.69
OU3-8M2	3/7/2011	994.08	86.31	5.2
OU3-8M2	9/6/2011	987.49	92.9	-6.59
OU3-8M2	3/13/2012	989.99	90.4	2.5
OU3-8D	6/18/2002	991.89	88.11	--
OU3-8D	9/3/2002	988.43	91.57	-3.46

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Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-8D	12/16/2002	990.63	89.37	2.2
OU3-8D	2/27/2003	993.03	86.97	2.4
OU3-8D	9/2/2003	985.67	94.33	-7.36
OU3-8D	3/1/2004	990.22	89.78	4.55
OU3-8D	9/1/2004	981.42	98.58	-8.8
OU3-8D	3/1/2005	988.42	91.58	7
OU3-8D	9/1/2005	986.75	93.25	-1.67
OU3-8D	3/1/2006	992.75	87.25	6
OU3-8D	9/5/2006	984.58	95.42	-8.17
OU3-8D	3/1/2007	990.58	89.42	6
OU3-8D	9/4/2007	983.24	96.76	-7.34
OU3-8D	3/6/2008	989.17	90.83	5.93
OU3-8D	9/2/2008	985.30	94.7	-3.87
OU3-8D	3/2/2009	992.26	87.74	6.96
OU3-8D	9/8/2009	987.29	92.71	-4.97
OU3-8D	3/15/2010	993.41	86.59	6.12
OU3-8D	9/13/2010	991.09	88.91	-2.32
OU3-8D	3/7/2011	997.48	82.52	6.39
OU3-8D	9/6/2011	989.20	90.8	-8.28
OU3-8D	3/13/2012	992.91	87.09	3.71
OU3-9S	6/18/2002	992.50	88.05	--
OU3-9S	9/3/2002	989.36	91.19	-3.14
OU3-9S	12/16/2002	988.44	92.11	-0.92
OU3-9S	2/27/2003	990.35	90.2	1.91
OU3-9S	9/2/2003	986.24	94.31	-4.11
OU3-9S	3/1/2004	987.55	93	1.31
OU3-9S	9/1/2004	982.50	98.05	-5.05
OU3-9S	3/1/2005	984.59	95.96	2.09
OU3-9S	9/1/2005	985.93	94.62	1.34
OU3-9S	3/1/2006	989.54	91.01	3.61
OU3-9S	9/5/2006	984.40	96.15	-5.14
OU3-9S	3/1/2007	987.82	92.93	3.22
OU3-9S	9/4/2007	983.30	97.25	-4.32
OU3-9S	3/6/2008	985.72	94.83	2.42
OU3-9S	9/2/2008	984.22	96.33	-1.5
OU3-9S	3/2/2009	988.77	91.78	4.55
OU3-9S	9/8/2009	986.21	94.34	-2.56
OU3-9S	3/15/2010	989.52	91.03	3.31
OU3-9S	9/13/2010	989.53	91.02	0.01
OU3-9S	3/7/2011	993.90	86.65	4.37
OU3-9S	9/6/2011	988.58	91.97	-5.32
OU3-9S	3/13/2012	990.32	90.23	1.74
OU3-9M2	5/29/2003	990.32	90.42	--
OU3-9M2	9/2/2003	986.55	94.19	-3.77
OU3-9M2	12/1/2003	985.57	95.17	-0.98
OU3-9M2	3/1/2004	987.89	92.85	2.32
OU3-9M2	9/1/2004	982.70	98.04	-5.19
OU3-9M2	3/1/2005	984.96	95.78	2.26
OU3-9M2	9/1/2005	986.21	94.53	1.25
OU3-9M2	3/1/2006	989.83	90.91	3.62
OU3-9M2	9/5/2006	984.66	96.08	-5.17
OU3-9M2	3/1/2007	987.95	92.79	3.29
OU3-9M2	9/4/2007	983.53	97.21	-4.42
OU3-9M2	3/6/2008	986.06	94.68	2.53
OU3-9M2	9/2/2008	984.52	96.22	-1.54
OU3-9M2	3/2/2009	989.12	91.62	4.6
OU3-9M2	9/8/2009	986.53	94.21	-2.59
OU3-9M2	3/15/2010	989.82	90.92	3.29
OU3-9M2	9/13/2010	989.72	91.02	-0.1
OU3-9M2	3/7/2011	994.21	86.53	4.49
OU3-9M2	9/6/2011	980.83	99.91	-13.38
OU3-9M2	3/13/2012	990.62	90.12	9.79
OU3-10S	12/20/2010	989.23	92.67	--
OU3-10S	6/20/2011	986.49	95.41	-2.74
OU3-10S	9/7/2011	983.32	98.58	-3.17
OU3-10S	3/13/2012	987.51	94.39	4.19
OU3-10M	5/29/2003	985.63	96.62	--
OU3-10M	9/2/2003	980.45	101.8	-5.18
OU3-10M	12/1/2003	981.38	100.87	0.93
OU3-10M	3/1/2004	985.18	97.07	3.8
OU3-10M	9/1/2004	976.14	106.11	-9.04
OU3-10M	3/1/2005	982.70	99.55	6.56
OU3-10M	9/1/2005	981.16	101.09	-1.54
OU3-10M	3/1/2006	987.50	94.75	6.34
OU3-10M	9/5/2006	978.53	103.72	-8.97
OU3-10M	3/1/2007	985.03	97.22	6.5
OU3-10M	9/4/2007	977.28	104.97	-7.75

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-10M	3/6/2008	983.38	98.87	6.1
OU3-10M	9/2/2008	979.12	103.13	-4.26
OU3-10M	3/2/2009	986.60	95.65	7.48
OU3-10M	9/8/2009	981.25	101	-5.35
OU3-10M	3/15/2010	987.55	94.7	6.3
OU3-10M	9/13/2010	985.12	97.13	-2.43
OU3-10M	3/7/2011	992.18	90.07	7.06
OU3-10M	9/6/2011	983.55	98.7	-8.63
OU3-10M	3/13/2012	987.48	94.77	3.93
OU3-10M2	5/29/2003	985.86	96.43	--
OU3-10M2	9/2/2003	980.74	101.55	-5.12
OU3-10M2	12/1/2003	981.59	100.7	0.85
OU3-10M2	3/1/2004	985.33	96.96	3.74
OU3-10M2	9/1/2004	976.43	105.86	-8.9
OU3-10M2	3/1/2005	982.85	99.44	6.42
OU3-10M2	9/1/2005	981.44	100.85	-1.41
OU3-10M2	3/1/2006	987.64	94.65	6.2
OU3-10M2	9/5/2006	978.79	103.5	-8.85
OU3-10M2	3/1/2007	985.29	97	6.5
OU3-10M2	9/14/2007	977.24	105.05	-8.05
OU3-10M2	3/6/2008	983.54	98.75	6.3
OU3-10M2	9/2/2008	979.38	102.91	-4.16
OU3-10M2	3/2/2009	986.77	95.52	7.39
OU3-10M2	9/8/2009	981.50	100.79	-5.27
OU3-10M2	3/15/2010	987.69	94.6	6.19
OU3-10M2	9/13/2010	985.42	96.87	-2.27
OU3-10M2	3/7/2011	992.32	89.97	6.9
OU3-10M2	9/6/2011	983.40	98.89	-8.92
OU3-10M2	3/13/2012	987.67	94.62	4.27
OU3-11S	5/29/2003	990.58	87.68	--
OU3-11S	9/2/2003	986.24	92.02	-4.34
OU3-11S	12/1/2003	986.62	91.64	0.38
OU3-11S	3/1/2004	989.53	88.73	2.91
OU3-11S	9/1/2004	982.04	96.22	-7.49
OU3-11S	3/1/2005	988.01	90.25	5.97
OU3-11S	9/1/2005	987.42	90.84	-0.59
OU3-11S	3/1/2006	992.20	86.06	4.78
OU3-11S	9/5/2006	984.72	93.54	-7.48
OU3-11S	3/1/2007	990.02	88.24	5.3
OU3-11S	9/4/2007	983.64	94.62	-6.38
OU3-11S	3/6/2008	988.71	89.55	5.07
OU3-11S	9/2/2008	985.92	92.34	-2.79
OU3-11S	3/3/2009	992.14	86.12	6.22
OU3-11S	9/8/2009	988.08	90.18	-4.06
OU3-11S	3/15/2010	992.86	85.4	4.78
OU3-11S	9/13/2010	992.31	85.95	-0.55
OU3-11S	3/7/2011	997.46	80.8	5.15
OU3-11S	9/6/2011	989.80	88.46	-7.66
OU3-11S	3/13/2012	992.72	85.54	2.92
OU3-11M	5/29/2003	990.48	87.77	--
OU3-11M	9/2/2003	986.13	92.12	-4.35
OU3-11M	12/1/2003	986.56	91.69	0.43
OU3-11M	3/1/2004	989.47	88.78	2.91
OU3-11M	9/1/2004	981.94	96.31	-7.53
OU3-11M	3/1/2005	987.97	90.28	6.03
OU3-11M	9/1/2005	987.33	90.92	-0.64
OU3-11M	3/1/2006	992.12	86.13	4.79
OU3-11M	9/5/2006	984.61	93.64	-7.51
OU3-11M	3/1/2007	989.85	88.4	5.24
OU3-11M	9/4/2007	983.69	94.56	-6.16
OU3-11M	3/6/2008	988.65	89.6	4.96
OU3-11M	9/2/2008	985.81	92.44	-2.84
OU3-11M	3/3/2009	992.08	86.17	6.27
OU3-11M	9/8/2009	987.97	90.28	-4.11
OU3-11M	3/15/2010	992.82	85.43	4.85
OU3-11M	9/13/2010	992.20	86.05	-0.62
OU3-11M	3/7/2011	997.32	80.93	5.12
OU3-11M	9/6/2011	989.71	88.54	-7.61
OU3-11M	3/13/2012	992.60	85.65	2.89
OU3-11M2	5/29/2003	990.46	87.59	--
OU3-11M2	9/2/2003	986.08	91.97	-4.38
OU3-11M2	12/1/2003	986.56	91.49	0.48
OU3-11M2	3/1/2004	989.47	88.58	2.91
OU3-11M2	9/9/2004	981.62	96.43	-7.85
OU3-11M2	3/1/2005	987.98	90.07	6.36
OU3-11M2	9/1/2005	987.29	90.76	-0.69
OU3-11M2	3/1/2006	992.12	85.93	4.83

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-11M2	9/5/2006	984.58	93.47	-7.54
OU3-11M2	3/5/2007	990.29	87.76	5.71
OU3-11M2	9/4/2007	983.33	94.72	-6.96
OU3-11M2	3/6/2008	988.64	89.41	5.31
OU3-11M2	9/2/2008	985.78	92.27	-2.86
OU3-11M2	3/3/2009	992.05	86	6.27
OU3-11M2	9/8/2009	987.93	90.12	-4.12
OU3-11M2	3/15/2010	992.79	85.26	4.86
OU3-11M2	9/13/2010	991.93	86.12	-0.86
OU3-11M2	3/7/2011	997.30	80.75	5.37
OU3-11M2	9/6/2011	989.66	88.39	-7.64
OU3-11M2	3/13/2012	992.60	85.45	2.94
OU3-12M	5/29/2003	1,002.67	88.12	--
OU3-12M	9/2/2003	1,000.50	90.29	-2.17
OU3-12M	12/1/2003	998.95	91.84	-1.55
OU3-12M	3/1/2004	1,000.01	90.78	1.06
OU3-12M	9/1/2004	997.38	93.41	-2.63
OU3-12M	3/1/2005	994.82	95.97	-2.56
OU3-12M	9/1/2005	1,002.18	88.61	7.36
OU3-12M	3/1/2006	1,003.27	87.52	1.09
OU3-12M	9/5/2006	1,000.67	90.12	-2.6
OU3-12M	3/1/2007	1,002.51	88.28	1.84
OU3-12M	9/5/2007	1,000.37	90.42	-2.14
OU3-12M	3/6/2008	1,000.85	89.94	0.48
OU3-12M	9/2/2008	1,002.30	88.49	1.45
OU3-12M	3/2/2009	1,004.85	85.94	2.55
OU3-12M	9/8/2009	1,004.22	86.57	-0.63
OU3-12M	3/15/2010	1,004.83	85.96	0.61
OU3-12M	9/13/2010	1,008.78	82.01	3.95
OU3-12M	3/7/2011	1,008.80	81.99	0.02
OU3-12M	9/6/2011	1,005.34	85.45	-3.46
OU3-12M	2/27/2012	1,005.32	85.47	-0.02
OU3-12M	3/13/2012	1,005.27	85.52	-0.05
OU3-12D	5/29/2003	1,006.57	84.2	--
OU3-12D	9/2/2003	1,003.59	87.18	-2.98
OU3-12D	12/1/2003	1,003.89	86.88	0.3
OU3-12D	3/1/2004	1,005.14	85.63	1.25
OU3-12D	9/1/2004	1,000.24	90.53	-4.9
OU3-12D	3/1/2005	1,005.27	85.5	5.03
OU3-12D	9/1/2005	1,006.24	84.53	0.97
OU3-12D	3/1/2006	998.59	92.18	-7.65
OU3-12D	9/5/2006	1,004.89	85.88	6.3
OU3-12D	3/1/2007	1,007.61	83.16	2.72
OU3-12D	9/4/2007	1,000.91	86.86	-3.7
OU3-12D	3/6/2008	1,006.68	84.09	2.77
OU3-12D	9/2/2008	1,006.71	84.06	0.03
OU3-12D	3/2/2009	1,010.19	80.58	3.48
OU3-12D	9/8/2009	1,008.28	82.49	-1.91
OU3-12D	3/15/2010	1,011.04	79.73	2.76
OU3-12D	9/13/2010	1,012.79	77.98	1.75
OU3-12D	3/7/2011	1,014.07	76.7	1.28
OU3-12D	9/6/2011	1,009.23	81.54	-4.84
OU3-12D	2/27/2012	1,010.27	80.5	1.04
OU3-12D	3/13/2012	1,010.14	80.63	-0.13
OU3-13M	5/29/2003	1,002.83	92.92	--
OU3-13M	9/2/2003	1,000.85	94.9	-1.98
OU3-13M	12/1/2003	999.29	96.46	-1.56
OU3-13M	3/1/2004	1,000.40	95.35	1.11
OU3-13M	9/1/2004	998.00	97.75	-2.4
OU3-13M	3/1/2005	998.89	96.86	0.89
OU3-13M	9/1/2005	1,002.09	93.66	3.2
OU3-13M	3/1/2006	1,003.33	92.42	1.24
OU3-13M	9/5/2006	1,000.94	94.81	-2.39
OU3-13M	3/1/2007	1,002.54	93.21	1.6
OU3-13M	9/4/2007	1,000.55	95.2	-1.99
OU3-13M	3/6/2008	1,000.82	94.93	0.27
OU3-13M	9/2/2008	1,002.15	93.6	1.33
OU3-13M	3/2/2009	1,004.66	91.09	2.51
OU3-13M	9/8/2009	1,004.14	91.61	-0.52
OU3-13M	3/15/2010	1,004.65	91.1	0.51
OU3-13M	9/13/2010	1,008.24	87.51	3.59
OU3-13M	3/7/2011	1,008.45	87.3	0.21
OU3-13M	9/6/2011	1,005.41	90.34	-3.04
OU3-13M	2/27/2012	1,005.30	90.45	-0.11
OU3-13M	3/12/2012	1,005.27	90.48	-0.03
OU3-13D	5/29/2003	1,005.16	90.55	--
OU3-13D	9/2/2003	1,002.62	93.09	-2.54

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-13D	12/1/2003	1,001.97	93.74	-0.65
OU3-13D	3/1/2004	1,003.07	92.64	1.1
OU3-13D	9/1/2004	999.60	96.11	-3.47
OU3-13D	3/1/2005	1,002.20	93.51	2.6
OU3-13D	9/1/2005	1,004.38	91.33	2.18
OU3-13D	3/1/2006	1,010.24	85.47	5.86
OU3-13D	9/5/2006	1,003.42	92.29	-6.82
OU3-13D	3/1/2007	1,005.39	90.32	1.97
OU3-13D	9/4/2007	1,002.64	93.07	-2.75
OU3-13D	3/6/2008	1,003.91	91.8	1.27
OU3-13D	9/2/2008	1,004.67	91.04	0.76
OU3-13D	3/2/2009	1,007.62	88.09	2.95
OU3-13D	9/8/2009	1,006.50	89.21	-1.12
OU3-13D	3/15/2010	1,007.95	87.76	1.45
OU3-13D	9/13/2010	1,010.66	85.05	2.71
OU3-13D	3/7/2011	1,011.40	84.31	0.74
OU3-13D	9/6/2011	997.61	98.1	-13.79
OU3-13D	9/19/2011	1,007.41	88.3	9.8
OU3-13D	2/27/2012	1,008.06	87.65	0.65
OU3-13D	3/12/2012	1,007.98	87.73	-0.08
OU3-14M	5/29/2003	1,004.92	94.13	--
OU3-14M	9/2/2003	1,003.36	95.69	-1.56
OU3-14M	12/1/2003	1,000.89	98.16	-2.47
OU3-14M	3/1/2004	1,002.45	96.6	1.56
OU3-14M	9/1/2004	1,001.15	97.9	-1.3
OU3-14M	3/1/2005	1,001.30	97.75	0.15
OU3-14M	9/1/2005	1,004.14	94.91	2.84
OU3-14M	3/1/2006	1,005.49	93.56	1.35
OU3-14M	9/5/2006	1,003.62	95.43	-1.87
OU3-14M	3/1/2007	1,004.86	94.19	1.24
OU3-14M	9/4/2007	1,003.28	95.77	-1.58
OU3-14M	3/6/2008	1,003.08	95.97	-0.2
OU3-14M	9/2/2008	1,004.41	94.64	1.33
OU3-14M	3/2/2009	1,006.68	92.37	2.27
OU3-14M	9/8/2009	1,006.40	92.65	-0.28
OU3-14M	3/15/2010	1,006.45	92.6	0.05
OU3-14M	9/13/2010	1,009.86	89.19	3.41
OU3-14M	3/7/2011	1,009.94	89.11	0.08
OU3-14M	9/6/2011	1,007.75	91.3	-2.19
OU3-14M	2/27/2012	1,007.40	91.65	-0.35
OU3-14M	3/13/2012	1,007.22	91.83	-0.18
OU3-14D	5/29/2003	1,013.15	85.99	--
OU3-14D	9/2/2003	1,010.48	88.66	-2.67
OU3-14D	12/1/2003	1,010.61	88.53	0.13
OU3-14D	3/1/2004	1,011.99	87.15	1.38
OU3-14D	9/1/2004	1,007.62	91.52	-4.37
OU3-14D	3/1/2005	1,011.59	87.55	3.97
OU3-14D	9/1/2005	1,012.74	86.4	1.15
OU3-14D	3/1/2006	1,015.42	83.72	2.68
OU3-14D	9/5/2006	1,012.56	86.58	-2.86
OU3-14D	3/1/2007	1,014.57	84.57	2.01
OU3-14D	9/4/2007	1,011.04	88.1	-3.53
OU3-14D	3/6/2008	1,013.33	85.81	2.29
OU3-14D	9/2/2008	1,013.29	85.85	-0.04
OU3-14D	3/2/2009	1,016.53	82.61	3.24
OU3-14D	9/8/2009	1,014.93	84.21	-1.6
OU3-14D	3/15/2010	1,017.19	81.95	2.26
OU3-14D	9/13/2010	1,011.33	87.81	-5.86
OU3-14D	3/7/2011	1,019.79	79.35	8.46
OU3-14D	9/6/2011	1,015.96	83.18	-3.83
OU3-14D	2/27/2012	1,016.83	82.31	0.87
OU3-14D	3/13/2012	1,016.64	82.5	-0.19
OU3-16S	12/20/2010	989.74	92.51	--
OU3-16S	3/7/2011	992.60	89.59	2.92
OU3-16S	6/20/2011	987.57	94.62	-5.03
OU3-16S	9/6/2011	984.59	97.6	-2.98
OU3-16S	3/13/2012	988.15	94.04	3.56
OU3-16M	12/20/2010	989.51	92.68	--
OU3-16M	3/7/2011	992.58	89.67	3.01
OU3-16M	6/20/2011	987.46	94.79	-5.12
OU3-16M	9/6/2011	984.49	97.76	-2.97
OU3-16M	3/13/2012	987.99	94.26	3.5
OU3-17S	12/20/2010	1,001.34	80.88	--
OU3-17S	3/7/2011	1,002.30	79.92	0.96
OU3-17S	6/20/2011	999.82	82.4	-2.48
OU3-17S	9/6/2011	997.62	84.6	-2.2
OU3-17S	3/13/2012	998.49	83.73	0.87

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
OU3-19M	12/20/2010	1,008.52	82.69	--
OU3-19M	3/7/2011	1,008.75	82.46	0.23
OU3-19M	6/20/2011	1,007.10	84.11	-1.65
OU3-19M	9/6/2011	1,005.50	85.71	-1.6
OU3-19M	3/13/2012	1,005.35	85.86	-0.15
OU3-20S	12/20/2010	1,016.20	84	--
OU3-20S	3/7/2011	1,015.23	84.97	-0.97
OU3-20S	6/20/2011	1,013.58	86.62	-1.65
OU3-20S	9/6/2011	1,011.96	88.24	-1.62
OU3-20S	2/28/2012	1,011.64	88.56	-0.32
OU3-20S	3/13/2012	1,011.52	88.68	-0.12
OU3-20M	12/20/2010	1,016.06	84.06	--
OU3-20M	3/7/2011	1,015.09	85.03	-0.97
OU3-20M	6/20/2011	1,013.41	86.71	-1.68
OU3-20M	9/6/2011	1,011.77	88.35	-1.64
OU3-20M	2/27/2012	1,011.50	88.62	-0.27
OU3-20M	3/13/2012	1,011.31	88.81	-0.19
SC-MW-1D	3/13/2006	1,003.68	88.71	--
SC-MW-1D	9/5/2006	1,001.36	91.03	-2.32
SC-MW-1D	3/1/2007	1,003.13	89.26	1.77
SC-MW-1D	9/4/2007	1,001.12	91.27	-2.01
SC-MW-1D	3/6/2008	1,001.45	90.94	0.33
SC-MW-1D	9/2/2008	1,003.02	89.37	1.57
SC-MW-1D	3/2/2009	1,005.49	86.9	2.47
SC-MW-1D	9/8/2009	1,004.94	87.45	-0.55
SC-MW-1D	3/15/2010	1,005.44	86.95	0.5
SC-MW-1D	9/13/2010	1,009.54	82.85	4.1
SC-MW-1D	3/7/2011	1,009.37	83.02	-0.17
SC-MW-1D	9/6/2011	1,006.04	86.35	-3.33
SC-MW-1D	3/13/2012	1,005.93	86.46	-0.11
SC-MW-7	1/12/1995	1,028.99	62.26	--
SC-MW-7	1/20/1995	1,029.86	61.39	0.87
SC-MW-7	2/23/1995	1,031.15	60.1	1.29
SC-MW-7	3/16/1995	1,032.21	59.04	1.06
SC-MW-7	4/27/1995	1,034.09	57.16	1.88
SC-MW-7	5/24/1995	1,033.99	57.26	-0.1
SC-MW-7	6/30/1995	1,032.93	58.32	-1.06
SC-MW-7	7/31/1995	1,031.87	59.38	-1.06
SC-MW-7	8/16/1995	1,031.27	59.98	-0.6
SC-MW-7	9/28/1995	1,030.42	60.83	-0.85
SC-MW-7	10/20/1995	1,030.16	61.09	-0.26
SC-MW-7	11/16/1995	1,030.42	60.83	0.26
SC-MW-7	12/8/1995	1,030.84	60.41	0.42
SC-MW-7	1/19/1996	1,031.55	59.7	0.71
SC-MW-7	2/28/1996	1,031.99	59.26	0.44
SC-MW-7	3/12/1996	1,032.21	59.04	0.22
SC-MW-7	4/12/1996	1,032.00	59.25	-0.21
SC-MW-7	5/28/1996	1,030.80	60.45	-1.2
SC-MW-7	6/13/1996	1,030.27	60.98	-0.53
SC-MW-7	7/8/1996	1,029.36	61.89	-0.91
SC-MW-7	8/8/1996	1,028.35	62.9	-1.01
SC-MW-7	9/12/1996	1,027.51	63.74	-0.84
SC-MW-7	10/10/1996	1,027.07	64.18	-0.44
SC-MW-7	11/6/1996	1,026.78	64.47	-0.29
SC-MW-7	12/31/1996	1,026.67	64.58	-0.11
SC-MW-7	1/17/1997	1,026.76	64.49	0.09
SC-MW-7	2/21/1997	1,026.81	64.44	0.05
SC-MW-7	3/12/1997	1,026.64	64.61	-0.17
SC-MW-7	4/15/1997	1,026.10	65.15	-0.54
SC-MW-7	5/16/1997	1,025.23	66.02	-0.87
SC-MW-7	6/26/1997	1,023.69	67.56	-1.54
SC-MW-7	7/10/1997	1,023.21	68.04	-0.48
SC-MW-7	8/27/1997	1,021.70	69.55	-1.51
SC-MW-7	9/29/1997	1,021.01	70.24	-0.69
SC-MW-7	10/17/1997	1,020.90	70.35	-0.11
SC-MW-7	11/18/1997	1,020.76	70.49	-0.14
SC-MW-7	12/23/1997	1,019.59	71.66	-1.17
SC-MW-7	1/29/1998	1,020.96	70.29	1.37
SC-MW-7	2/23/1998	1,021.30	69.95	0.34
SC-MW-7	3/11/1998	1,021.68	69.57	0.38
SC-MW-7	4/20/1998	1,022.42	68.83	0.74
SC-MW-7	5/26/1998	1,022.90	68.35	0.48
SC-MW-7	6/12/1998	1,022.78	68.47	-0.12
SC-MW-7	7/31/1998	1,022.05	69.2	-0.73
SC-MW-7	8/28/1998	1,021.52	69.73	-0.53
SC-MW-7	10/8/1998	1,020.86	70.39	-0.66
SC-MW-7	11/4/1998	1,020.79	70.46	-0.07

Table D-1

Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Groundwater Elevation	Depth to Water	Groundwater Elevation Change
SC-MW-7	12/7/1998	1,020.80	70.45	0.01
SC-MW-7	1/10/1999	1,017.24	74.01	-3.56
SC-MW-7	4/13/1999	1,021.21	70.04	3.97
SC-MW-7	10/11/1999	1,017.85	73.4	-3.36
SC-MW-7	11/15/1999	1,017.52	73.73	-0.33
SC-MW-7	12/8/1999	1,017.38	73.87	-0.14
SC-MW-7	3/14/2000	1,016.82	74.43	-0.56
SC-MW-7	4/14/2000	1,016.59	74.66	-0.23
SC-MW-7	5/23/2000	1,016.25	75	-0.34
SC-MW-7	6/12/2000	1,015.74	75.51	-0.51
SC-MW-7	9/3/2002	1,003.84	87.41	-11.9
SC-MW-7	12/16/2002	Dry	--	--
SC-MW-7	2/27/2003	Dry	--	--
SC-MW-7	9/2/2003	Dry	--	--
SC-MW-7	3/1/2004	Dry	--	--
SC-MW-7	9/1/2004	Dry	--	--
SC-MW-7	3/1/2005	Dry	--	--
SC-MW-7	9/1/2005	Dry	--	--
SC-MW-7	3/1/2006	Dry	--	--
SC-MW-7	9/5/2006	Dry	--	--

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
BE-MW-8	3/18/2008	18	J	1.3		< 0.5		0.35	
BE-MW-8	9/15/2008	16		1.1		< 0.5		0.25	
BE-MW-8	3/10/2009	4.3		0.53		< 0.5		< 0.5	
BE-MW-8	9/29/2009	6		0.59		< 0.5		0.22	
BE-MW-8	3/16/2010	7.7		0.60		< 0.5		< 0.5	
BE-MW-8	9/14/2010	8.8		0.66		< 0.5		< 0.5	
BE-MW-8	3/8/2011	8.8		0.50		< 0.5		< 0.5	
BE-MW-8	9/12/2011	5.2		0.61		< 0.5		< 0.5	
BE-MW-8	3/26/2012	6.2		< 0.5		< 0.5		< 0.5	
DT-DW-5	6/24/2002	< 1		1		1		< 1	
DT-DW-5	9/9/2002	< 1		0.9	J	< 1	UJ	< 1	
DT-DW-5	12/20/2002	< 1		10	U	2		1	
DT-DW-5	3/3/2003	< 1		1		1		< 1	
DT-DW-5	3/5/2004	< 1		0.9	UJ	0.6	J	< 1	
DT-DW-5	3/16/2005	0.17	J	1.1	U	0.49	J	0.37	
DT-DW-5	9/21/2005	0.24	J-	1		0.28	J-	0.55	
DT-DW-5	3/13/2006	0.28	J	1.3		< 0.5		< 0.5	
DT-DW-5	9/13/2006	< 0.5	UJ	1.1	J	< 0.5	UJ	0.78	
DT-DW-5	3/15/2007	0.26	J+	1.1	J+	0.22	J+	0.83	
DT-DW-5	9/12/2007	0.36	J	1.3	U	0.25	J	0.58	
DT-DW-5	3/19/2008	0.32	J	0.86		< 0.5		0.66	
DT-DW-5	9/19/2008	0.31	J	0.84		< 0.5		0.73	
DT-DW-5	3/11/2009	< 0.5		0.41	J	< 0.5		0.29	
DT-DW-5	9/29/2009	< 0.5		0.41	J	< 0.5		0.35	
DT-DW-5	3/16/2010	< 0.50		0.67		< 0.5		< 0.5	
DT-DW-5	9/13/2010	< 0.50		0.51		< 0.5		< 0.5	
DT-DW-5	3/8/2011	< 0.50		0.54		< 0.5		< 0.5	
DT-DW-5	9/16/2011	< 0.50		< 0.5		< 0.5		< 0.5	
DT-DW-5	3/12/2012	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-118	9/21/2004	0.5	UJ	0.5	U	< 0.5		< 0.5	
EW-13-118	3/3/2005	0.12	J	0.36	J	< 0.5		0.25	
EW-13-118	9/2/2005	< 0.5		0.24	J-	< 0.5		< 0.5	
EW-13-118	3/16/2006	0.15	J	0.28	J	< 0.5	UJ	< 0.5	UJ
EW-13-118	9/25/2006	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-118	3/2/2007	< 0.5		0.3	J	< 0.5		0.32	
EW-13-118	9/5/2007	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-118	3/24/2008	0.2	J	0.13	J	< 0.5		< 0.5	
EW-13-118	9/4/2008	< 0.5		0.5	U	< 0.5		< 0.5	
EW-13-118	3/16/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-118	10/1/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-118	3/26/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-118	9/24/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-118	3/18/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-118	9/20/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-118	3/12/2012	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-168	9/21/2004	0.5	U	0.92	J	0.16	J	< 0.5	
EW-13-168	3/3/2005	0.12	J	0.52		< 0.5		0.38	
EW-13-168	9/2/2005	< 0.5		0.37	J	< 0.5		< 0.5	
EW-13-168	3/16/2006	0.14	J	0.36	J	< 0.5	UJ	< 0.5	UJ
EW-13-168	9/25/2006	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-168	3/2/2007	< 0.5		0.36	J	< 0.5		< 0.5	
EW-13-168	9/5/2007	< 0.5		0.42	J+	< 0.5		0.31	
EW-13-168	3/24/2008	0.28	J	0.17	J	< 0.5		< 0.5	
EW-13-168	9/4/2008	0.5	U	0.5	U	< 0.5		< 0.5	
EW-13-168	3/16/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-168	10/1/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-168	3/26/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-168	9/24/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-168	3/18/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-168	9/16/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-168	3/12/2012	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-228	9/21/2004	< 0.5		3.2	J	< 0.5		< 0.5	
EW-13-228	3/4/2005	< 0.5		2.7		< 0.5		< 0.5	
EW-13-228	9/2/2005	< 0.5		2.4		< 0.5		< 0.5	UJ
EW-13-228	3/16/2006	0.15	J	3	J	< 0.5	UJ	< 0.5	UJ
EW-13-228	9/25/2006	< 0.5		3.3		< 0.5		< 0.5	
EW-13-228	3/2/2007	0.22	U	5.3	J	< 0.5		< 0.5	
EW-13-228	9/5/2007	< 0.5		4.1		< 0.5		< 0.5	
EW-13-228	3/24/2008	0.32	J	4		< 0.5		< 0.5	
EW-13-228	9/4/2008	0.5	U	3.6		< 0.5		< 0.5	
EW-13-228	3/16/2009	< 0.5		1.6		< 0.5		< 0.5	
EW-13-228	10/1/2009	< 0.5		0.99		< 0.5		< 0.5	
EW-13-228	3/26/2010	< 0.50		2.9		< 0.5		< 0.5	
EW-13-228	9/24/2010	< 0.50		2.2		< 0.5		< 0.5	
EW-13-228	3/18/2011	< 0.50		2.2		< 0.5		< 0.5	
EW-13-228	9/16/2011	< 0.50		1.8		< 0.5		< 0.5	
EW-13-228	3/12/2012	< 0.50		2.5		< 0.5		< 0.5	
EW-13-268	9/21/2004	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	3/3/2005	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	9/2/2005	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	3/16/2006	< 0.5	UJ	< 0.5		< 0.5	UJ	< 0.5	UJ
EW-13-268	9/25/2006	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	3/2/2007	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	9/5/2007	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	3/24/2008	0.24	J	< 0.5		< 0.5		< 0.5	
EW-13-268	9/4/2008	0.5	U	0.5	U	< 0.5		< 0.5	

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
EW-13-268	3/16/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	10/1/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-13-268	3/26/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-268	9/24/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-268	3/18/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-268	9/16/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-13-268	3/12/2012	< 0.50		< 0.5		< 0.5		< 0.5	
EW-19S	9/12/2002	17		380		90		10	
EW-19S	12/20/2002	16		720		150		8	
EW-19S	3/5/2003	19		700		120		7	
EW-19S	9/7/2003	19		440		98		10	
EW-19S	3/2/2004	18		380		85		11	
EW-19S	9/2/2004	12		220		55		1.5	
EW-19S	3/8/2005	13		310		73		17	
EW-19S	9/27/2005	6.3		140		40	J+	19	
EW-19S	3/7/2006	6		78	D	21	D	< 0.5	
EW-19S	9/14/2006	3	J	68	D	19	J	9.8	
EW-19S	3/13/2007	3.4		76	J+	17	J+	7.7	
EW-19S	9/12/2007	3.7		53	D	19		9	
EW-19S	3/18/2008	3.3		54	D	16	J+	10	
EW-19S	9/23/2008	2.1		35	D	8.8	J+	7.7	
EW-19S	3/12/2009	0.64		12		2.6		2.7	
EW-19S	9/22/2009	0.58		8.6		2.2		2.2	
EW-19S	3/23/2010	0.99		18		4.7		4.4	
EW-19S	9/16/2010	0.77		14		3.4		1.2	
EW-19S	3/15/2011	< 0.50		7.8		2.3	J	3.1	
EW-19S	9/15/2011	0.69	J	9.6		2.4		2.5	
EW-19S	3/22/2012	< 0.50		7.1		1.8		1.3	
EW-19D	9/12/2002	< 1		< 1		< 1		< 1	
EW-19D	12/18/2002	< 1		< 1		< 1		< 1	
EW-19D	3/5/2003	< 1		< 1		< 1		< 1	
EW-19D	9/7/2003	< 1		< 1		< 1		< 1	
EW-19D	3/3/2004	1		3.6		< 1		< 1	UJ
EW-19D	9/9/2004	0.28	U	1.5		0.28	J	0.19	
EW-19D	3/7/2005	< 0.5		0.35	U	< 0.5		< 0.5	
EW-19D	9/27/2005	< 0.5		0.11	U	< 0.5		< 0.5	
EW-19D	3/7/2006	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	9/14/2006	< 0.5	UJ	< 0.5		< 0.5	UJ	< 0.5	UJ
EW-19D	3/13/2007	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	9/12/2007	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	3/18/2008	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	9/22/2008	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	3/12/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	9/22/2009	< 0.5		< 0.5		< 0.5		< 0.5	
EW-19D	3/25/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-19D	9/16/2010	< 0.50		< 0.5		< 0.5		< 0.5	
EW-19D	3/14/2011	< 0.50		< 0.5		< 0.5		< 0.5	
EW-19D	9/15/2011	< 0.50	UJ	< 0.5		< 0.5		< 0.5	
EW-19D	3/22/2012	< 0.50		< 0.5		< 0.5		< 0.5	
EW-20	6/26/2002	9		260		40		0.9	
EW-20	6/26/2002	10		300		50		1	
EW-20	9/10/2002	7		150		21		< 1	
EW-20	9/10/2002	7		150		20		< 1	
EW-20	12/18/2002	6		170		20		0.5	
EW-20	12/18/2002	6		180		20		< 1	
EW-20	3/3/2003	4		100		19		< 1	
EW-20	3/3/2003	5		100		25	J	< 1	
EW-20	9/4/2003	2.4	U	72		16		< 1	
EW-20	9/4/2003	2.7	U	70		16		< 1	
EW-20	3/4/2004	3.1		63		11		< 1	
EW-20	9/7/2004	1.5		45		6.9		< 0.5	
EW-20	3/16/2005	1.5	J	38		6.7		0.34	
EW-20	9/20/2005	3.2		73		16	J+	0.17	
EW-20	3/2/2006	2.9		48	D	14		< 0.5	
EW-20	9/6/2006	2.7		75	D	14		< 0.5	
EW-20	3/13/2007	2.7		58	D	15		1.8	
EW-20	9/7/2007	2.1		56	D	10		0.66	
EW-20	3/18/2008	1.9		47	D	9.5		0.63	
EW-20	9/23/2008	2.4		45	D	11		3.2	
EW-20	3/5/2009	0.76		18		3.6	J+	1.4	
EW-20	9/28/2009	0.91		20		4.3	J+	2.5	
EW-20	3/23/2010	1.3		34		7.6		3.9	
EW-20	9/20/2010	1.2		30		6.2		2.2	
EW-20	9/20/2010	1.4		28		6.7		3.2	
EW-20	3/17/2011	1.0		22		5.0	J	3.2	
EW-20	9/15/2011	1.1	J	26		5.2		2.6	
EW-20	9/15/2011	1.2	J	24		5.2		3.2	
EW-20	3/21/2012	1.0		24		4.3		3.4	
EW-21	9/13/2002	0.7	J	21		3		< 1	
EW-21	12/18/2002	0.5	J	12		1		< 1	
EW-21	3/7/2003	0.5	J	11		1		< 1	
EW-21	9/4/2003	0.6	U	4.3		0.6	J	< 1	
EW-21	3/11/2004	0.6	UJ	8	U	0.9	J	< 1	
EW-21	9/8/2004	0.82		5.7		0.65		< 0.5	
EW-21	3/16/2005	0.84		5.4		0.63		< 0.5	

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
EW-21	9/22/2005	0.78		5		0.77		< 0.5	
EW-21	3/3/2006	0.97		5.4		0.87		< 0.5	
EW-21	9/11/2006	1.3		5.1		0.57		< 0.5	
EW-21	3/12/2007	0.93		4.2		0.57		< 0.5	
EW-21	9/14/2007	0.79		3.4		0.45	J	< 0.5	
EW-21	3/18/2008	0.88		2.8		0.29	J	< 0.5	
EW-21	9/16/2008	0.71		2		0.28	J	< 0.5	
EW-21	3/6/2009	< 0.5		1.2		< 0.5		< 0.5	
EW-21	9/29/2009	0.35	J	1.5		< 0.5		< 0.5	
EW-21	3/22/2010	< 0.50		2.5		< 0.5		< 0.5	
EW-21	9/20/2010	< 0.50		2.5		< 0.5		< 0.5	
EW-21	3/8/2011	< 0.50		3.0		< 0.5		< 0.5	
EW-21	3/8/2011	< 0.50		3.0		< 0.5		< 0.5	
EW-21	9/12/2011	< 0.50		1.9		< 0.5	UJ	< 0.5	
EW-21	3/27/2012	< 0.50		1.3		< 0.5		< 0.5	
EW-22S	9/18/2002	11		240		30		0.9	
EW-22S	3/7/2003	9		260		30		1	
EW-22S	3/18/2010	1.2		28		5.9		2.6	
EW-22S	9/14/2010	1.2		29		6.8		4	
EW-22S	9/15/2011	<1.0		24		5.1		3.4	
EW-22S	3/23/2012	1.2		25		3.9		1.2	
EW-22S	3/23/2012	0.99		23		3.7		1.9	
EWOU3-10S-R	6/27/2002	10		430		70		50	
EWOU3-10S-R	9/10/2002	7		200		60		21	
EWOU3-10S-R	12/20/2002	6		390		60		15	
EWOU3-10S-R	3/3/2003	8		200		56		11	
EWOU3-10S-R	3/2/2004	3.2	U	98	U	17		5.3	
EWOU3-10S-R	3/17/2005	4.2		110		31		8.4	
EWOU3-10S-R	3/10/2006	3.6		46	D	13		1	
EWOU3-10S-R	3/9/2007	3.9	J+	69	D	18	J+	11	
EWOU3-10S-R	3/11/2009	0.68		17		3.6		2.5	
EWOU3-10S-R	3/22/2010	0.73		14		3.5		2.7	
EWOU3-10S-R	9/20/2010	0.88		15		3.7		2	
EWOU3-10S-R	3/15/2011	0.83		14		2.8		2.1	
EWOU3-10S-R	9/13/2011	0.79		14		2.2		< 0.5	
EWOU3-10S-R	3/20/2012	0.62		11		1.9		< 0.5	
INTER-TEL MW-1	6/25/2002	< 1		< 1		< 1	UJ	< 1	UJ
INTER-TEL MW-1	9/10/2002	0.5	J	0.9	J	< 1	UJ	< 1	UJ
OU3-1M	6/27/2002	1		49		7		< 1	
OU3-1M	9/11/2002	1		22		4		< 1	
OU3-1M	12/18/2002	0.9	J	25		3		< 1	
OU3-1M	3/5/2003	0.9	J	25		3		< 1	
OU3-1M	9/6/2003	< 1		11	U	1.4	U	< 1	
OU3-1M	3/11/2004	0.9	UJ	12		1.7		< 1	
OU3-1M	3/11/2004	0.9	UJ	12		1.8		< 1	
OU3-1M	9/14/2004	0.23	J	5.3	J	0.41	J	0.1	
OU3-1M	9/14/2004	0.28	J	5.5	J	0.41	J	< 0.5	
OU3-1M	3/11/2005	0.82		11		1.2		< 0.5	
OU3-1M	3/11/2005	0.85		9.3		1.2		< 0.5	
OU3-1M	9/22/2005	0.82		7.4		1		< 0.5	
OU3-1M	9/22/2005	0.9		7.8		1.1		0.065	
OU3-1M	3/6/2006	0.95		8.6		< 0.5		< 0.5	
OU3-1M	3/6/2006	0.93	J	7.9	J	1.3	J	< 0.5	
OU3-1M	9/7/2006	0.86		6.9		0.94		< 0.5	
OU3-1M	9/7/2006	0.83		7		0.99		< 0.5	
OU3-1M	3/8/2007	0.7		5.2		0.74		< 0.5	
OU3-1M	3/8/2007	0.7		5.3		0.74		< 0.5	
OU3-1M	9/11/2007	0.75		4.8		0.75		< 0.5	
OU3-1M	9/11/2007	0.74		5		0.76		< 0.5	
OU3-1M	3/18/2008	0.8	J	4.2		0.44	J	< 0.5	
OU3-1M	3/18/2008	0.76	J	4.1		0.49	J	< 0.5	
OU3-1M	9/18/2008	0.61		3.3		0.46	J	< 0.5	
OU3-1M	9/18/2008	0.64		3.4		0.44	J	< 0.5	
OU3-1M	3/10/2009	< 0.5		1.7		0.21	J+	< 0.5	
OU3-1M	3/10/2009	0.24	J	1.8		0.26	J	< 0.5	
OU3-1M	9/25/2009	0.23	J	2.1		0.26	J	< 0.5	
OU3-1M	9/25/2009	0.31	J	2		0.29	J	< 0.5	
OU3-1M	3/17/2010	< 0.50		3.3		< 0.5		< 0.5	
OU3-1M	9/22/2010	< 0.50		4.7		0.63		< 0.5	
OU3-1M	3/10/2011	< 0.50		6.0		0.88		< 0.5	
OU3-1M	9/12/2011	< 0.50		4.9		0.70	J	< 0.5	
OU3-1M	3/27/2012	< 0.50		3.3		< 0.5		< 0.5	
OU3-1D	6/27/2002	< 1		< 1		< 1		< 1	
OU3-1D	9/11/2002	< 1		< 1		< 1		< 1	
OU3-1D	12/19/2002	< 1		< 1		< 1		< 1	
OU3-1D	3/5/2003	< 1		< 1		< 1		< 1	
OU3-1D	9/6/2003	< 1		< 1		< 1		< 1	
OU3-1D	3/11/2004	0.6	UJ	1.1	U	< 1		< 1	
OU3-1D	9/14/2004	0.11	J	0.63	J	0.11	J	< 0.5	
OU3-1D	3/11/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	9/26/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	3/6/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	9/7/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	3/8/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	9/11/2007	< 0.5		< 0.5		< 0.5		< 0.5	

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Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-1D	3/18/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	9/18/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	3/10/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	9/25/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-1D	3/17/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-1D	9/22/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-1D	3/10/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-1D	9/12/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-1D	3/27/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-2M	6/27/2002	19		760		130		16	
OU3-2M	9/12/2002	19		390		100		12	
OU3-2M	12/18/2002	18		570		80		10	
OU3-2M	3/5/2003	19		540		80		9	
OU3-2M	9/7/2003	15		440		89		9	
OU3-2M	3/2/2004	12	UJ	350		82		11	
OU3-2M	9/2/2004	3.9	J	86		25		<	
OU3-2M	3/7/2005	13		220		69		12	
OU3-2M	9/21/2005	7		220		48		17	
OU3-2M	3/7/2006	11	J	160	D	42	D	12	
OU3-2M	9/14/2006	9.1		210	D	48	D	26	
OU3-2M	3/13/2007	6.8	J+	190	D	46	D	16	
OU3-2M	9/12/2007	6.3		180	D	38	D	27	
OU3-2M	3/18/2008	6.3		140	D	26	D	16	
OU3-2M	9/22/2008	5.2		99	D	20	D	15	
OU3-2M	3/12/2009	1.5		41	D	7.1	J+	5.9	
OU3-2M	9/22/2009	1.3		44	D	6.2		5.6	
OU3-2M	9/22/2009	1.4		44	D	6.3	J	5.8	
OU3-2M	3/23/2010	2.0		51		11		8.5	
OU3-2M	3/23/2010	2.1		52		12		8.7	
OU3-2M	9/16/2010	1.5		39		8.3		7.9	
OU3-2M	3/14/2011	1.4		31		6.8		7.4	
OU3-2M	9/15/2011	1.1	J	26		5.5		5.6	
OU3-2M	4/10/2012	1.1		26		6.0		6.4	
OU3-4S	6/24/2002	3		< 1		< 1		< 1	
OU3-4S	9/9/2002	3		< 1		< 1		< 1	
OU3-4S	12/17/2002	4		0.6	J	< 1		< 1	
OU3-4S	3/3/2003	4		0.7	J	< 1		< 1	
OU3-4S	9/4/2003	2.5	U	0.6	J	< 1		< 1	
OU3-4S	3/4/2004	4		21		1.1		< 1	
OU3-4S	9/3/2004	2.7		0.82		0.25	J	< 0.5	
OU3-4S	3/15/2005	3.7		0.76		0.14	J	< 0.5	
OU3-4S	9/20/2005	2.7		0.66		< 0.5		< 0.5	
OU3-4S	3/8/2006	5.1		1.6		< 0.5		< 0.5	
OU3-4S	9/11/2006	5.6		1		< 0.5		< 0.5	
OU3-4S	3/5/2007	4.5	J+	0.57	J	< 0.5		< 0.5	
OU3-4S	9/7/2007	4.6		0.58		< 0.5		< 0.5	
OU3-4S	3/12/2008	4.5		0.35	J	< 0.5		< 0.5	
OU3-4S	9/16/2008	5		0.33	J	< 0.5		< 0.5	
OU3-4S	3/5/2009	1.8		< 0.5		< 0.5		< 0.5	
OU3-4S	9/23/2009	2.2		0.27	J	< 0.5		< 0.5	
OU3-4S	3/16/2010	2.8		< 0.5		< 0.5		< 0.5	
OU3-4S	9/14/2010	3.0		< 0.5		< 0.5		< 0.5	
OU3-4S	3/8/2011	3.3		< 0.5		< 0.5		< 0.5	
OU3-4S	9/8/2011	2.5		< 0.5		< 0.5		< 0.5	
OU3-4S	3/15/2012	2.9		< 0.5		< 0.5		< 0.5	
OU3-5SR	7/10/2003	5		110		24		< 5	
OU3-5SR	8/11/2003	4		78		21		< 5	
OU3-5SR	12/3/2003	3		80		18		0.7	
OU3-5SR	3/4/2004	4.6		94		19		0.7	
OU3-5SR	9/8/2004	2.2		67		12		0.37	
OU3-5SR	3/9/2005	2		66		11		< 2.5	
OU3-5SR	9/29/2005	3.6		78		15		1.2	
OU3-5SR	3/2/2006	2.4		42	D	13		< 0.5	
OU3-5SR	9/9/2006	4.5		100	D	19	D	1.9	
OU3-5SR	9/13/2007	3.3		69	D	19		2.7	
OU3-5SR	3/17/2008	2.1		68	D	13		1.7	
OU3-5SR	9/19/2008	2.5		59	D	12		3	
OU3-5SR	3/9/2009	0.45	J	16		3.1	J+	1.1	
OU3-5SR	9/28/2009	0.79		16		3.3	J+	2	
OU3-5SR	3/24/2010	1.8		39		8.4		4.6	
OU3-5SR	9/21/2010	1.5		39		9.3		5.6	
OU3-5SR	3/16/2011	1.4		28		6.5	J	4.6	
OU3-5SR	9/14/2011	1.1		23		5.1		3.8	
OU3-5SR	11/15/2011	1.5		29		5.8		4.2	
OU3-5SR	11/15/2011	1.5		29		5.8		4.3	
OU3-5SR	11/16/2011	1.5		30		5.5		4	
OU3-5SR	3/21/2012	1.2		23		4.9		3.8	
OU3-5MR	7/10/2003	11		240		48		< 5	
OU3-5MR	8/11/2003	10		250	J	49		< 5	
OU3-5MR	12/3/2003	6.2		180		43		2.5	
OU3-5MR	12/3/2003	6.2		200		46		2.2	
OU3-5MR	3/4/2004	6.8		190		38		2	
OU3-5MR	9/8/2004	1.3		54		12		0.49	
OU3-5MR	9/8/2004	1.5		47		11		0.54	
OU3-5MR	3/9/2005	7 J	J	170		31		< 3	UJ

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Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-5MR	3/9/2005	7 J	J	180		32		< 3	UJ
OU3-5MR	9/29/2005	8.3		170		37		2.6	
OU3-5MR	9/29/2005	8.1		170		37		2.6	
OU3-5MR	3/2/2006	9.1		54	D	13	D	4.2	
OU3-5MR	3/2/2006	7.3	D	150	D	36	D	3.5	
OU3-5MR	9/9/2006	9		210	D	40	D	5.6	
OU3-5MR	9/9/2006	8.4		200	D	40	D	5.1	
OU3-5MR	3/10/2007	6.6	J+	140	D	31	D	6	
OU3-5MR	3/10/2007	7.2	J+	130	D	30	D	6.5	
OU3-5MR	9/13/2007	8.6		150	D	31	D	10	
OU3-5MR	9/13/2007	10		130	D	29	D	13	
OU3-5MR	3/17/2008	5.6		140	D	25	D	6.1	
OU3-5MR	3/17/2008	5.7		150	D	25	D	6.3	
OU3-5MR	9/19/2008	5.9		130	D	24	D	8.3	
OU3-5MR	9/19/2008	5.6		130	D	26	D	7.9	
OU3-5MR	3/9/2009	1.4		49	D	8.2	J+	4.3	
OU3-5MR	3/9/2009	1.5		56	D	8.3	J+	4.4	
OU3-5MR	9/28/2009	2.2		44	D	10	J+	4.9	
OU3-5MR	9/28/2009	2.2		41	D	10	J+	4.8	
OU3-5MR	3/24/2010	3.7		88		18		9.3	
OU3-5MR	9/21/2010	2.9		71		15		9.7	
OU3-5MR	3/16/2011	2.3		50		10		7	
OU3-5MR	9/14/2011	2.2		52		10		6.7	
OU3-5MR	9/14/2011	2.0		48		9.7		6.7	
OU3-5MR	3/21/2012	1.9		42		8.2		6.2	
OU3-5M2	5/23/2003	8.3		280		36		6.4	
OU3-5M2	6/6/2003	9.5		280		31		6.6	
OU3-5M2	8/12/2003	8		200		40		6	
OU3-5M2	12/3/2003	6.5		200		35		5.4	
OU3-5M2	3/4/2004	7.4		220		37		4.9	
OU3-5M2	9/8/2004	3.2	J	130	J	22	J	2.5	
OU3-5M2	3/9/2005	7		160		33		4	
OU3-5M2	9/26/2005	8.1	D	180		34		5.7	
OU3-5M2	3/2/2006	7.6		150	D	34	D	4.6	
OU3-5M2	9/8/2006	9.8		210	D	32	D	7.2	
OU3-5M2	3/10/2007	8.9	J+	200	D	34	D	9.2	
OU3-5M2	9/13/2007	8.2		180	D	31	D	8.6	
OU3-5M2	3/17/2008	8.2		200	D	29	D	7.9	
OU3-5M2	9/19/2008	8.3		190	D	30	D	9.6	
OU3-5M2	3/9/2009	2.1		68	D	11	J+	5.3	
OU3-5M2	9/28/2009	3.1		96	D	13		5.7	
OU3-5M2	3/24/2010	5.4		140		26		11	
OU3-5M2	3/24/2010	5.3		130		24		11	
OU3-5M2	9/21/2010	4.2		110		22		12	
OU3-5M2	3/16/2011	3.2		73		14	J	8.7	
OU3-5M2	9/14/2011	3.2		75		14		7.9	
OU3-5M2	3/21/2012	2.8		74		13		8.5	
OU3-5DR	7/9/2003	< 2		< 2		< 2	2	< 5	
OU3-5DR	7/9/2003	< 2		< 2		< 2	2	< 5	
OU3-5DR	8/12/2003	< 2		< 2		< 2	2	< 5	
OU3-5DR	8/12/2003	< 2		< 2		< 2	2	< 5	
OU3-5DR	12/3/2003	< 1		4.6	U	< 1		< 1	
OU3-5DR	3/4/2004	1		3	U	< 1		< 1	
OU3-5DR	9/8/2004	0.32	J	1.1		0.22	J	0.21	
OU3-5DR	3/9/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-5DR	9/29/2005	< 0.5		0.66		< 0.5		< 0.5	
OU3-5DR	3/2/2006	< 0.5		0.52		< 0.5		< 0.5	
OU3-5DR	9/9/2006	< 0.5		0.67		< 0.5		< 0.5	
OU3-5DR	3/10/2007	< 0.5		0.61	U	< 0.5		< 0.5	
OU3-5DR	9/13/2007	< 0.5		0.56	U	< 0.5		< 0.5	
OU3-5DR	3/17/2008	< 0.5		0.27	J	< 0.5		< 0.5	
OU3-5DR	9/19/2008	< 0.5		0.39	J	< 0.5		< 0.5	
OU3-5DR	3/9/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-5DR	9/28/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-5DR	3/24/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-5DR	9/21/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-5DR	3/16/2011	< 0.50		< 0.5		< 0.5	UJ	< 0.5	UJ
OU3-5DR	9/14/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-5DR	3/21/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-6M	4/22/2002	2		50		11		22	
OU3-6M	6/28/2002	2		110		18		40	
OU3-6M	9/13/2002	2		74		21		36	
OU3-6M	12/19/2002	2		90		17		40	
OU3-6M	3/6/2003	2		80		14		40	
OU3-6M	9/6/2003	1.6	U	55	U	14	U	22	
OU3-6M	3/9/2004	1.9	U	46	U	10		21	
OU3-6M	3/9/2004	2.2	U	52		11		24	
OU3-6M	9/13/2004	0.34	J	11	J	2.4	J	4.8	
OU3-6M	9/13/2004	0.3	J	10	J	2.4	J	4.6	
OU3-6M	3/8/2005	1.5	J	41		9		22	
OU3-6M	9/28/2005	1.3		26		6.5	J+	15	
OU3-6M	3/6/2006	0.9	J	16	J	4.3	J	10	
OU3-6M	9/7/2006	0.67		14		3.5	J+	9.8	
OU3-6M	3/8/2007	0.61		11		2.6	J+	7.2	
OU3-6M	9/12/2007	0.61		8.7		2.4		6.1	

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-6M	3/14/2008	0.43	J	6.2		1.3		4	
OU3-6M	9/18/2008	0.19	J	2.1		0.59		1.7	
OU3-6M	3/6/2009	< 0.5		1.2		0.28	J+	0.92	
OU3-6M	9/24/2009	< 0.5		0.92		0.21	J	0.74	
OU3-6M	3/23/2010	< 0.50		1.3		< 0.5		0.83	
OU3-6M	9/22/2010	< 0.50		0.63		< 0.5		< 0.5	
OU3-6M	3/14/2011	< 0.50		0.73		< 0.5		< 0.5	
OU3-6M	9/12/2011	< 0.50		0.59		< 0.5		< 0.5	
OU3-6M	3/16/2012	< 0.50		0.69		< 0.5		< 0.5	
OU3-6D	4/22/2002	< 1		4		< 1		< 1	
OU3-6D	6/28/2002	< 1		5		< 1		< 1	
OU3-6D	9/13/2002	< 1		5		< 1		< 1	
OU3-6D	12/20/2002	< 1		4	UJ	< 1		< 1	
OU3-6D	3/6/2003	< 1		4	U	< 1		< 1	
OU3-6D	9/6/2003	< 1		3	U	< 1		< 1	
OU3-6D	3/9/2004	0.8	UJ	4.8	U	< 1		< 1	
OU3-6D	9/13/2004	0.16	UJ	2.2	J	< 0.5	UJ	< 0.5	UJ
OU3-6D	3/7/2005	0.12	J	2.6		< 0.5		< 0.5	
OU3-6D	3/8/2005	0.13	J	2.9		< 0.5		< 0.5	
OU3-6D	9/28/2005	< 0.5		2.3		< 0.5		< 0.5	
OU3-6D	9/28/2005	0.12	J-	2.3		< 0.5		< 0.5	
OU3-6D	3/6/2006	< 0.5		1.8		< 0.5		< 0.5	
OU3-6D	3/6/2006	< 0.5		1.8		< 0.5		< 0.5	
OU3-6D	9/7/2006	< 0.5		1.7		< 0.5		< 0.5	
OU3-6D	9/7/2006	< 0.5		1.7		< 0.5		< 0.5	
OU3-6D	3/8/2007	< 0.5		1.4		< 0.5		< 0.5	
OU3-6D	3/8/2007	< 0.5		1.4		< 0.5		< 0.5	
OU3-6D	9/12/2007	< 0.5		1.4		< 0.5		< 0.5	
OU3-6D	9/12/2007	< 0.5		1.3	U	< 0.5		< 0.5	
OU3-6D	3/14/2008	< 0.5		0.82		< 0.5		< 0.5	
OU3-6D	3/14/2008	< 0.5		0.86		< 0.5		< 0.5	
OU3-6D	9/18/2008	< 0.5		0.7		< 0.5		< 0.5	
OU3-6D	9/18/2008	< 0.5		0.68		< 0.5		< 0.5	
OU3-6D	3/6/2009	< 0.5		0.33	J	< 0.5		< 0.5	
OU3-6D	3/6/2009	< 0.5		0.3	J	< 0.5		< 0.5	
OU3-6D	9/24/2009	< 0.5		0.3	J	< 0.5		< 0.5	
OU3-6D	9/24/2009	< 0.5		0.27	J	< 0.5		< 0.5	
OU3-6D	3/23/2010	< 0.50		0.52		< 0.5		< 0.5	
OU3-6D	9/22/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-6D	3/14/2011	< 0.50		0.63		< 0.5		< 0.5	
OU3-6D	9/12/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-6D	3/16/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-7S	4/23/2002	2		< 1		< 1		< 1	
OU3-7S	6/26/2002	4		0.5	U	< 1		< 1	
OU3-7S	9/10/2002	3		1		0.5	J	< 1	
OU3-7S	12/18/2002	3		1		0.5	J	< 1	
OU3-7S	3/4/2003	3		1		< 1		< 1	
OU3-7S	9/4/2003	2.6	U	3.1		< 1		< 1	
OU3-7S	3/5/2004	3.2	U	4.6	U	< 1		< 1	
OU3-7S	9/10/2004	2.3		1.9		0.34	J	< 0.5	
OU3-7S	3/11/2005	3.2		0.5		0.22	J	< 0.5	
OU3-7S	9/25/2005	2.6		0.85		< 0.5		< 0.5	
OU3-7S	3/7/2006	3.5	J	0.63	J	< 0.5		< 0.5	
OU3-7S	9/8/2006	2.9		0.64		< 0.5		< 0.5	
OU3-7S	3/9/2007	3.4	J+	0.62	J+	< 0.5		< 0.5	
OU3-7S	9/11/2007	3.1		0.59		< 0.5		< 0.5	
OU3-7S	3/12/2008	3.5		0.32	J	< 0.5		< 0.5	
OU3-7S	9/16/2008	4.1		0.38	J	< 0.5		< 0.5	
OU3-7S	3/5/2009	1.4		< 0.5		< 0.5		< 0.5	
OU3-7S	9/23/2009	1.7		0.31	J	< 0.5		< 0.5	
OU3-7S	3/18/2010	2.4		< 0.5		< 0.5		< 0.5	
OU3-7S	9/16/2010	2.6		< 0.5		< 0.5		< 0.5	
OU3-7S	3/10/2011	2.6		< 0.5		< 0.5		< 0.5	
OU3-7S	9/8/2011	2.8		< 0.5		< 0.5		< 0.5	
OU3-7S	3/15/2012	2.9		< 0.5		< 0.5		< 0.5	
OU3-7M2	4/23/2002	< 1		7		< 1		< 1	
OU3-7M2	6/26/2002	0.5	J	9		< 1		< 1	
OU3-7M2	9/11/2002	0.5	J	6		< 1		< 1	
OU3-7M2	12/18/2002	0.6	J	6		< 1		< 1	
OU3-7M2	3/4/2003	0.6	J	6		< 1		< 1	
OU3-7M2	9/5/2003	0.5	J	3.4		< 1		< 1	
OU3-7M2	3/5/2004	1.5	U	7.2	U	< 1		< 1	
OU3-7M2	9/10/2004	0.29	J	2.6	J	0.21	J	0.12	
OU3-7M2	3/11/2005	0.99		3.5		0.18	J	< 0.5	
OU3-7M2	9/27/2005	0.92		2.9		0.18	J	< 0.5	
OU3-7M2	3/7/2006	1.2	J	3.2	J	< 0.5		< 0.5	
OU3-7M2	9/8/2006	1.3		2.3		< 0.5		< 0.5	
OU3-7M2	3/9/2007	1.2		2.5		< 0.5		< 0.5	
OU3-7M2	9/11/2007	1.2		2		< 0.5		< 0.5	
OU3-7M2	3/12/2008	1.3		1.6		< 0.5		< 0.5	
OU3-7M2	9/16/2008	1.5		1.4		< 0.5		< 0.5	
OU3-7M2	3/5/2009	0.49	J	0.51		< 0.5		< 0.5	
OU3-7M2	9/23/2009	0.66		0.62		< 0.5		< 0.5	
OU3-7M2	3/18/2010	0.99		1.4		< 0.5		< 0.5	
OU3-7M2	9/16/2010	1.2		1.2		< 0.5		< 0.5	

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Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-7M2	3/10/2011	1.4		1.2		< 0.5		< 0.5	
OU3-7M2	9/8/2011	1.5		1.1		< 0.5		< 0.5	
OU3-7M2	3/15/2012	1.0		0.92		< 0.5		< 0.5	
OU3-7M2	3/15/2012	1.2		0.99		< 0.5		< 0.5	
OU3-8S	6/25/2002	0.9	J	33		3		< 1	
OU3-8S	9/10/2002	0.8	J	23		2		< 1	
OU3-8S	12/17/2002	0.8	J	26		3		< 1	
OU3-8S	3/3/2003	1		26		3		< 1	
OU3-8S	9/5/2003	< 1		11		1.2		< 1	
OU3-8S	9/5/2003	0.5	J	15		1.6		< 1	
OU3-8S	3/3/2004	1.4		20		2.1		< 1	
OU3-8S	9/10/2004	0.83	J	13	J	1.5	J	< 0.5	
OU3-8S	3/15/2005	0.78		14		1.5		< 0.5	
OU3-8S	9/21/2005	0.6		11		1.5		< 0.5	
OU3-8S	3/3/2006	0.92		15		2.1		< 0.5	
OU3-8S	9/13/2006	1.4		14		1.4		< 0.5	
OU3-8S	3/12/2007	1.1		11		1.4		< 0.5	
OU3-8S	9/10/2007	1.3		8.6		0.99		< 0.5	
OU3-8S	3/13/2008	1.3		9.3		0.82		< 0.5	
OU3-8S	9/17/2008	1.5		7.5		0.73		< 0.5	
OU3-8S	3/4/2009	0.45	J	4		0.44	J+	< 0.5	
OU3-8S	9/22/2009	0.6		3.3		0.43	J	< 0.5	
OU3-8S	3/19/2010	1.0		8.9		1.2		< 0.5	
OU3-8S	9/17/2010	1.0		8.2		1.1		< 0.5	
OU3-8S	3/11/2011	0.91		11		1.5		< 0.5	
OU3-8S	9/13/2011	0.82		6.1		0.86		< 0.5	
OU3-8S	3/19/2012	0.87		8.3		1.0		< 0.5	
OU3-8M2	6/25/2002	0.7	J	49		3		< 1	
OU3-8M2	9/11/2002	0.6	J	37		2		< 1	
OU3-8M2	12/17/2002	0.7	J	68		2		< 1	
OU3-8M2	3/4/2003	< 1		45		2		< 1	
OU3-8M2	9/5/2003	< 1		38	U	1.5	U	< 1	
OU3-8M2	3/3/2004	1.1		34		1.8		< 1	
OU3-8M2	9/10/2004	0.23	J	10		< 0.5		< 0.5	
OU3-8M2	3/14/2005	0.39	J	26		1.2		< 0.5	
OU3-8M2	9/27/2005	0.7		32		1.9		< 0.5	
OU3-8M2	3/3/2006	0.82		12	D	2.6		< 0.5	
OU3-8M2	9/13/2006	0.93		42	D	2.8		< 0.5	
OU3-8M2	3/12/2007	0.75		23	D	2.4		0.24	
OU3-8M2	9/10/2007	0.71		30	D	2.2		0.16	
OU3-8M2	3/13/2008	0.65		24	D	1.4		< 0.5	
OU3-8M2	9/17/2008	0.91		27	D	1.8		< 0.5	
OU3-8M2	3/4/2009	0.3	J	11		0.89	J+	< 0.5	
OU3-8M2	9/22/2009	0.44	J	14		1.3		< 0.5	
OU3-8M2	3/19/2010	0.69		23		2.3		< 0.5	
OU3-8M2	9/17/2010	0.97		33		3.4		< 0.5	
OU3-8M2	3/11/2011	0.97		29		3.6		< 0.5	
OU3-8M2	9/13/2011	< 0.50		7.1		0.54		< 0.5	
OU3-8M2	3/19/2012	1.0		25		2.5		< 0.5	
OU3-8D	6/26/2002	< 1		< 1		< 1		< 1	
OU3-8D	9/11/2002	< 1		< 1		< 1		< 1	
OU3-8D	12/17/2002	< 1		< 1		< 1		< 1	
OU3-8D	3/4/2003	< 1		< 1		< 1		< 1	
OU3-8D	9/5/2003	< 1		< 1		< 1		< 1	
OU3-8D	3/3/2004	0.9	J	2.5		< 1		< 1	
OU3-8D	9/10/2004	< 0.5	UJ	0.19	J	< 0.5	UJ	< 0.5	UJ
OU3-8D	3/14/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	9/27/2005	< 0.5		0.075	U	< 0.5		< 0.5	
OU3-8D	3/3/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	9/13/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	3/12/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	9/10/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	3/13/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	9/17/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	3/4/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	9/22/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-8D	3/19/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-8D	3/11/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-8D	9/13/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-8D	3/19/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-9S	6/25/2002	1		0.6	J	< 1		< 1	
OU3-9S	9/10/2002	2		0.6	J	< 1		< 1	
OU3-9S	12/17/2002	2		0.7	J	< 1		< 1	
OU3-9S	3/3/2003	2		0.6	J	< 1		< 1	
OU3-9S	9/4/2003	1.8	U	1.7		< 1		< 1	
OU3-9S	3/5/2004	3.1	U	6.6	U	0.5	J	< 1	
OU3-9S	9/13/2004	3.2		1.9		0.47	J	< 0.5	
OU3-9S	3/14/2005	3.2		0.72		0.31	J	< 0.5	
OU3-9S	9/21/2005	1.7		0.51		< 0.5		< 0.5	
OU3-9S	3/27/2006	3.1		0.73		< 0.5		< 0.5	
OU3-9S	9/13/2006	3		1.2		< 0.5		< 0.5	
OU3-9S	3/7/2007	2.7	J	0.73	J	< 0.5		< 0.5	
OU3-9S	9/10/2007	2.5		0.61		< 0.5		< 0.5	
OU3-9S	3/13/2008	2.7		0.57		< 0.5		< 0.5	
OU3-9S	9/17/2008	2.7		0.4	J	< 0.5		< 0.5	

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Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-9S	3/5/2009	1.1		0.28	J	< 0.5		< 0.5	
OU3-9S	9/23/2009	1.5		0.31	J	< 0.5		< 0.5	
OU3-9S	3/19/2010	2.4		< 0.5		< 0.5		< 0.5	
OU3-9S	9/17/2010	2.2		< 0.5		< 0.5		< 0.5	
OU3-9S	3/11/2011	1.9		< 0.5		< 0.5		< 0.5	
OU3-9S	9/9/2011	1.4		< 0.5		< 0.5		< 0.5	
OU3-9S	3/19/2012	2.1		< 0.5		< 0.5		< 0.5	
OU3-9M2	3/24/2003	1.7		7.9		< 1		< 1	
OU3-9M2	6/6/2003	1.7		8		< 1		< 1	
OU3-9M2	9/7/2003	1.6		5.3		< 1		< 1	
OU3-9M2	12/4/2003	2	J-	8.2	UJ	0.6	J-	< 1	UJ
OU3-9M2	3/5/2004	2.9	U	11	U	0.8	J	< 1	
OU3-9M2	3/5/2004	2.9	U	11	U	0.8	J	< 1	
OU3-9M2	9/13/2004	0.8		3.8		0.49	J	< 0.5	
OU3-9M2	9/13/2004	0.65		3.9		0.5		< 0.5	
OU3-9M2	3/14/2005	2.6		4.4		0.57		< 0.5	
OU3-9M2	3/14/2005	3.1		5.3		0.61		< 0.5	
OU3-9M2	9/26/2005	2.8		3.6		0.57		< 0.5	
OU3-9M2	9/26/2005	2.8		3.7		0.57		< 0.5	
OU3-9M2	3/27/2006	3.1		4.2		0.56		< 0.5	
OU3-9M2	3/27/2006	3.4		4.7		0.64		< 0.5	
OU3-9M2	9/13/2006	3.6		4		0.72		< 0.5	
OU3-9M2	9/13/2006	4.1		4.3		0.76		< 0.5	
OU3-9M2	3/7/2007	3.5	J+	3.9	J+	0.67	J+	< 0.5	
OU3-9M2	3/7/2007	3.7	J	4.2	J	0.7	J	< 0.5	
OU3-9M2	9/10/2007	3.7		3.2		0.72		< 0.5	
OU3-9M2	9/10/2007	3.9		3.5		0.74		< 0.5	
OU3-9M2	3/13/2008	4.1		2.5		0.46	J	< 0.5	
OU3-9M2	3/13/2008	4.2		2.6		0.48	J	< 0.5	
OU3-9M2	9/17/2008	4.2		2.3		0.45	J	< 0.5	
OU3-9M2	3/5/2009	1.5		1		< 0.5		< 0.5	
OU3-9M2	9/23/2009	1.7		1		0.23	J	< 0.5	
OU3-9M2	3/19/2010	2.7		2.0		< 0.5		< 0.5	
OU3-9M2	9/17/2010	2.6		2.0		< 0.5		< 0.5	
OU3-9M2	3/11/2011	2.4		2.0		< 0.5		< 0.5	
OU3-9M2	9/9/2011	3.3		1.8		< 0.5		< 0.5	
OU3-9M2	3/19/2012	2.5		1.8		< 0.5		< 0.5	
OU3-10S	12/20/2010	< 0.50		8.7		2.0		2.2	
OU3-10S	3/15/2011	< 0.50		5.6		1.4	J	1.4	
OU3-10S	6/20/2011	0.66		10		2.4		2	
OU3-10S	6/20/2011	0.67		10		2.1		2.1	
OU3-10S	9/13/2011	< 0.50		6.2		1.6		1.5	
OU3-10S	3/20/2012	0.54		6.4		1.2		1.4	
OU3-10M	4/16/2003	9.1		260		40		29	
OU3-10M	6/5/2003	8.6		250		39		32	
OU3-10M	9/8/2003	6.1		220		43		29	
OU3-10M	12/1/2003	6.3		180		36		30	
OU3-10M	3/2/2004	7.4	U	230	U	45		33	
OU3-10M	9/2/2004	0.58	U	18		5.9		2.3	
OU3-10M	3/7/2005	10		260		53		36	
OU3-10M	9/27/2005	5.6		130		32	J+	25	
OU3-10M	3/10/2006	6.8	J	110	D	30	D	28	
OU3-10M	9/8/2006	6.1		130	D	29	D	25	
OU3-10M	3/9/2007	4.4	J+	90	D	21	D	19	
OU3-10M	9/14/2007	4.2		86	D	23	D	19	
OU3-10M	3/19/2008	4.3		97	D	20	D	16	
OU3-10M	9/23/2008	3.2		61	D	15	J+	14	
OU3-10M	3/11/2009	0.88		18	D	3.9	J+	4.2	
OU3-10M	9/29/2009	0.78		15		3.6	J	4	
OU3-10M	3/22/2010	0.86		21		5.0		5.5	
OU3-10M	9/20/2010	0.74		15		3.5		5	
OU3-10M	3/15/2011	< 0.50		7.9		2.0	J	2.7	
OU3-10M	9/13/2011	0.58		9.7		2.5		2.8	
OU3-10M	3/20/2012	0.75		9.8		1.9		2.1	
OU3-10M2	4/16/2003	6.3		150		26		41	
OU3-10M2	6/5/2003	6.9		180		27		46	
OU3-10M2	9/8/2003	6.9		220		38		45	
OU3-10M2	12/1/2003	4.4		140		31		31	
OU3-10M2	3/2/2004	5.8	U	130	U	29		41	
OU3-10M2	9/2/2004	0.83	J	11		3.9		3.4	
OU3-10M2	3/7/2005	8.3		210		40		53	
OU3-10M2	9/27/2005	6.2		140		32	J+	43	
OU3-10M2	3/10/2006	6.6	J	110	D	26	D	31	
OU3-10M2	9/8/2006	8		180	D	37	D	38	
OU3-10M2	3/9/2007	6.4	J+	110	D	23	D	25	
OU3-10M2	9/14/2007	5.9		130	D	30	D	39	
OU3-10M2	3/19/2008	6	J	130	D	27	D	34	
OU3-10M2	9/23/2008	5.3		120	D	24	D	36	
OU3-10M2	3/11/2009	1.5		46	D	7.8	J+	11	
OU3-10M2	9/29/2009	1.5		35	D	7.3		9.9	
OU3-10M2	3/22/2010	2.4		65		14		18	
OU3-10M2	9/20/2010	1.6		38		9.7		13	
OU3-10M2	9/20/2010	1.7		38		9.6		13	
OU3-10M2	3/15/2011	1.5		35		7.5	UJ	11	
OU3-10M2	9/13/2011	1.9		35		6.9		9.4	

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-10M2	9/13/2011	1.8		33		6.5		8.8	
OU3-10M2	3/20/2012	1.5		36		7.0		9.7	
OU3-10M2	3/20/2012	1.5		36		7.5		9.6	
OU3-11S	4/3/2003	1.8		< 1		< 1		< 1	
OU3-11S	6/2/2003	1		< 1		< 1		< 1	
OU3-11S	9/7/2003	2.4		15		0.8	J	< 1	
OU3-11S	12/4/2003	1.4	J-	5.1	UJ	< 1	UJ	< 1	UJ
OU3-11S	3/10/2004	1.4		2.6		< 1		< 1	
OU3-11S	9/9/2004	1.5	J	0.28	UJ	< 0.5	UJ	0.22	
OU3-11S	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11S	9/23/2005	1.6		0.73		< 0.5		< 0.5	
OU3-11S	3/10/2006	3.2		0.65		< 0.5		0.29	
OU3-11S	9/6/2006	2.5		< 0.5		< 0.5		< 0.5	
OU3-11S	3/5/2007	1.6	J+	< 0.5		< 0.5		< 0.5	
OU3-11S	9/7/2007	1.7		< 0.5		< 0.5		< 0.5	
OU3-11S	3/10/2008	1.1		0.11	J	0.11	J	< 0.5	
OU3-11S	9/15/2008	1.4		0.18	J	0.13	J	0.13	
OU3-11S	3/3/2009	0.45	J	< 0.5		< 0.5		< 0.5	
OU3-11S	9/21/2009	0.88		< 0.5		< 0.5		< 0.5	
OU3-11S	3/16/2010	1.0		< 0.5		< 0.5		< 0.5	
OU3-11S	9/14/2010	1.4		< 0.5		< 0.5		< 0.5	
OU3-11S	3/8/2011	1.6		< 0.5		< 0.5		< 0.5	
OU3-11S	9/14/2011	1.0		< 0.5		< 0.5		< 0.5	
OU3-11S	3/26/2012	0.79		< 0.5		< 0.5		< 0.5	
OU3-11M	5/6/2003	< 1		< 1		< 1		< 1	
OU3-11M	5/6/2003	< 1		< 1		< 1		< 1	
OU3-11M	6/4/2003	< 1		< 1		< 1		< 1	
OU3-11M	9/9/2003	< 1		1.7		< 1		< 1	
OU3-11M	9/9/2003	< 1		1.8		< 1		< 1	
OU3-11M	12/4/2003	0.6	J-	5.1	UJ	< 1	UJ	< 1	UJ
OU3-11M	3/10/2004	0.8	J	1.8		< 1		< 1	
OU3-11M	9/9/2004	0.18	U	0.69	U	0.15	J	< 0.5	
OU3-11M	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M	9/23/2005	0.22	J	0.23	J	< 0.5		< 0.5	
OU3-11M	3/10/2006	0.37	J	0.34	J	< 0.5		0.12	
OU3-11M	9/6/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M	3/5/2007	< 0.5		< 0.5		0.32	J+	< 0.5	
OU3-11M	9/7/2007	< 0.5		< 0.5		0.27	J+	< 0.5	
OU3-11M	3/10/2008	0.14	J	0.14	J	0.19	J	< 0.5	
OU3-11M	9/15/2008	0.16	J	0.2	J	0.29	J	< 0.5	
OU3-11M	3/3/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M	9/21/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M	3/16/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M	9/14/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M	3/8/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M	9/14/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M	3/26/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M2	4/4/2003	< 1		0.9	J	< 1		< 1	
OU3-11M2	6/4/2003	< 1		0.6	J	< 1		< 1	
OU3-11M2	9/9/2003	< 1		1.2		< 1		< 1	
OU3-11M2	12/4/2003	0.5	J-	3.1	UJ	< 1	UJ	< 1	UJ
OU3-11M2	3/10/2004	0.9J	J	2.5		< 1		< 1	
OU3-11M2	9/9/2004	0.43	U	5.8		1.3		0.38	
OU3-11M2	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M2	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M2	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M2	9/26/2005	0.078	J	0.29	J	0.27	J	< 0.5	
OU3-11M2	9/26/2005	0.08	J	0.28	J	0.26	J	< 0.5	
OU3-11M2	3/10/2006	< 0.5		0.17	J	< 0.5		< 0.5	
OU3-11M2	3/10/2006	0.13	J	0.28	J	< 0.5		< 0.5	
OU3-11M2	9/6/2006	< 0.5		< 0.5		0.47	J	< 0.5	
OU3-11M2	9/6/2006	< 0.5		< 0.5		0.51		< 0.5	
OU3-11M2	3/5/2007	< 0.5		0.29	J	0.45	J+	< 0.5	
OU3-11M2	3/5/2007	< 0.5		0.29	J	0.48	J+	< 0.5	
OU3-11M2	9/7/2007	< 0.5		0.33	J+	0.5		< 0.5	
OU3-11M2	9/7/2007	< 0.5		0.31	J+	0.55		< 0.5	
OU3-11M2	3/10/2008	< 0.5		0.22	J	0.34	J	< 0.5	
OU3-11M2	3/10/2008	0.11	J	0.22	J	0.3	J	< 0.5	
OU3-11M2	9/15/2008	0.12	J	0.29	J	0.45	J	< 0.5	
OU3-11M2	9/15/2008	0.11	J	0.3	J	0.45	J	< 0.5	
OU3-11M2	3/3/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M2	3/3/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-11M2	9/21/2009	< 0.5		< 0.5		0.22	J	< 0.5	
OU3-11M2	9/21/2009	< 0.5		< 0.5		0.23	J	< 0.5	
OU3-11M2	3/16/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M2	9/14/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M2	3/8/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M2	9/14/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-11M2	3/26/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-12M	5/5/2003	4.6		140		23		28	
OU3-12M	6/2/2003	0.9	J	34		6.1		9	
OU3-12M	9/8/2003	3.5		120		23		31	
OU3-12M	12/2/2003	2.6		75		20		32	
OU3-12M	3/8/2004	3.1		69		14		24	
OU3-12M	3/8/2004	3.1		68		16		23	
OU3-12M	9/3/2004	1.5		30		8.3		15	

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Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-12M	9/3/2004	1.5		31		8.4		15	
OU3-12M	3/15/2005	2.4		72		15		26	
OU3-12M	9/22/2005	1.1		15		4.3	J+	10	
OU3-12M	3/27/2006	1.2	J	13	J	3.4	J	9.1	
OU3-12M	9/12/2006	1.3		16	J+	4.1	J+	12	
OU3-12M	3/6/2007	0.88	J+	9.8	J	2.4	J+	7.5	
OU3-12M	9/6/2007	0.76		7.7		1.9	J+	8.2	
OU3-12M	3/14/2008	0.72		7.1		1.7	J	5.4	
OU3-12M	9/15/2008	0.73		4.7		1.1		3	
OU3-12M	3/11/2009	0.21	J	1.6		0.34	J	1.2	
OU3-12M	9/24/2009	0.26	J	1.7		0.42	J	1.3	
OU3-12M	3/18/2010	< 0.50		2.7		0.78		2.1	
OU3-12M	9/15/2010	< 0.50		1.8		0.53		1.3	
OU3-12M	3/9/2011	< 0.50		1.8		< 0.5		0.94	
OU3-12M	9/9/2011	< 0.50		1.6		< 0.5		1.1	
OU3-12M	3/16/2012	< 0.50		1.3		< 0.5		0.76	
OU3-12D	5/5/2003	< 1		4.7	J	< 1		< 1	
OU3-12D	6/4/2003	< 1		4.3		< 1		< 1	
OU3-12D	6/4/2003	< 1		4.4		< 1		< 1	
OU3-12D	9/8/2003	< 1		6.4		< 1		< 1	
OU3-12D	12/2/2003	0.5	J	5.4		< 1		< 1	
OU3-12D	12/2/2003	0.5	J	5.5		< 1		< 1	
OU3-12D	3/8/2004	0.8	J	4.3	U	< 1		< 1	
OU3-12D	9/3/2004	< 0.5		0.84		0.12	J	< 0.5	
OU3-12D	3/15/2005	< 0.5		1		< 0.5		< 0.5	
OU3-12D	9/26/2005	< 0.5		0.51		< 0.5		< 0.5	
OU3-12D	3/27/2006	< 0.5		0.88	J	< 0.5		< 0.5	
OU3-12D	9/12/2006	< 0.5		0.61		< 0.5		< 0.5	
OU3-12D	3/6/2007	< 0.5		0.45	J	< 0.5		< 0.5	
OU3-12D	9/6/2007	< 0.5		0.57		< 0.5		< 0.5	
OU3-12D	3/14/2008	< 0.5		0.26	J	< 0.5		< 0.5	
OU3-12D	9/15/2008	< 0.5		0.25	J	< 0.5		< 0.5	
OU3-12D	3/11/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-12D	9/24/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-12D	3/18/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-12D	9/15/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-12D	3/9/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-12D	9/9/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-12D	3/16/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-13M	5/22/2003	1.1		160		7.2		< 1	
OU3-13M	6/3/2003	1.2		130		6.9		< 1	
OU3-13M	9/8/2003	1.6		150		8.7		0.7	
OU3-13M	12/2/2003	1.2		68		6.3		0.6	
OU3-13M	3/8/2004	1.8		93		6.6		< 1	
OU3-13M	9/7/2004	0.73		50		4.8		0.42	
OU3-13M	3/10/2005	1		79		5		< 0.5	
OU3-13M	9/25/2005	1.1		68		5		< 0.5	
OU3-13M	3/8/2006	1.2		54	D	5.7		0.27	
OU3-13M	9/12/2006	1		73	D	5.6		< 0.5	
OU3-13M	3/6/2007	1	J+	54	D	4.5	J+	0.33	
OU3-13M	9/13/2007	0.98		59	D	5.5		0.31	
OU3-13M	3/12/2008	0.83		53	D	4.1		< 0.5	
OU3-13M	9/22/2008	1.1		60	D	4.6		0.24	
OU3-13M	3/10/2009	0.33	J	26	D	1.7	J+	< 0.5	
OU3-13M	9/21/2009	0.54		47	D	2.4		< 0.5	
OU3-13M	3/25/2010	1.1		51		4.3		< 0.5	
OU3-13M	9/23/2010	0.59		36		3.2		< 0.5	
OU3-13M	3/17/2011	< 0.50		25		2.4	J	< 0.5	
OU3-13M	3/17/2011	0.55		24		2.4	J	< 0.5	
OU3-13M	9/15/2011	0.57	J	25		2.4		< 0.5	
OU3-13M	3/23/2012	0.56		20		1.7		< 0.5	
OU3-13D	5/22/2003	< 1		2		< 1		< 1	
OU3-13D	6/5/2003	< 1		1.1		< 1		< 1	
OU3-13D	9/9/2003	< 1		2.1		< 1		< 1	
OU3-13D	12/2/2003	0.5	J	5.3		< 1		0.8	
OU3-13D	3/8/2004	1		3.5	U	< 1		< 1	
OU3-13D	9/7/2004	0.11	J	1.1		0.38	J	< 0.5	
OU3-13D	3/10/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	9/28/2005	< 0.5		0.047	J	< 0.5		< 0.5	
OU3-13D	3/8/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	9/12/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	3/6/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	9/13/2007	< 0.5		0.25	U	< 0.5		< 0.5	
OU3-13D	3/12/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	9/22/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	3/10/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	9/21/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-13D	3/25/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-13D	9/23/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-13D	3/17/2011	< 0.50		< 0.5		< 0.5	UJ	< 0.5	
OU3-13D	9/15/2011	< 0.50	UJ	< 0.5		< 0.5		< 0.5	
OU3-13D	3/23/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14M	3/14/2003	< 1		2.3		< 1		< 1	
OU3-14M	6/2/2003	< 1		0.8	J	< 1		< 1	
OU3-14M	9/9/2003	< 1		1.7		< 1		< 1	

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Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

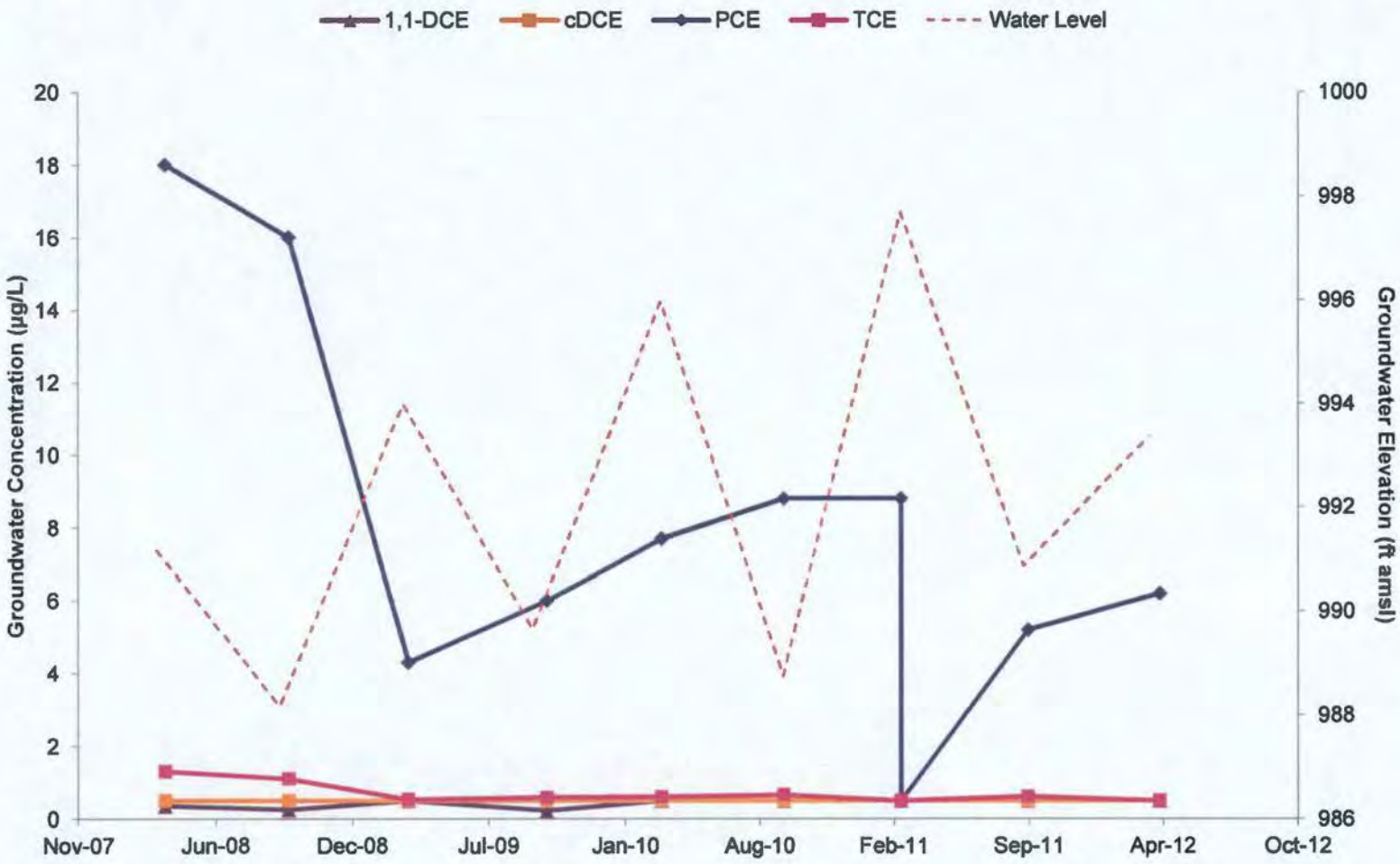
Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-14M	12/3/2003	1.3		19	U	1.1	U	< 1	
OU3-14M	3/8/2004	1.3		7.7	U	< 1		< 1	
OU3-14M	9/7/2004	0.28	J	10		2.1		0.32	
OU3-14M	3/11/2005	0.82		0.28	J	< 0.5		< 0.5	
OU3-14M	9/23/2005	0.84		0.38	J	< 0.5		< 0.5	
OU3-14M	3/8/2006	1		0.73		< 0.5		< 0.5	
OU3-14M	9/11/2006	0.93		0.65		< 0.5		< 0.5	
OU3-14M	3/7/2007	0.76	J+	0.27	J+	< 0.5		< 0.5	
OU3-14M	9/6/2007	0.81		< 0.5		< 0.5		< 0.5	
OU3-14M	3/10/2008	0.72		< 0.5		< 0.5		< 0.5	
OU3-14M	9/16/2008	0.86		< 0.5		< 0.5		< 0.5	
OU3-14M	3/6/2009	0.22	J	< 0.5		< 0.5		< 0.5	
OU3-14M	9/25/2009	0.36	J	< 0.5		< 0.5		< 0.5	
OU3-14M	3/17/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14M	9/15/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14M	3/9/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14M	9/8/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14M	3/15/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14D	3/13/2003	< 1		< 1		< 1		< 1	
OU3-14D	6/4/2003	< 1		< 1		< 1		< 1	
OU3-14D	9/9/2003	< 1		2.5		< 1		< 1	
OU3-14D	12/3/2003	1.1		22	U	1.7	U	0.6	
OU3-14D	3/9/2004	1.2	U	6.5	U	< 0.5		0.6	
OU3-14D	9/7/2004	< 0.5		1.4		0.12	J	< 0.5	
OU3-14D	3/8/2005	< 0.5		< 0.5		< 0.5		< 0.5	UJ
OU3-14D	9/26/2005	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	3/8/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	9/11/2006	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	3/7/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	9/6/2007	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	3/10/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	9/16/2008	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	3/6/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	9/25/2009	< 0.5		< 0.5		< 0.5		< 0.5	
OU3-14D	3/17/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14D	9/15/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14D	3/9/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14D	9/8/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-14D	3/15/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-16S	12/20/2010	2.3		48		11		7.2	
OU3-16S	3/21/2011	1.8		36		8.6	J	5.4	
OU3-16S	6/20/2011	2.5		44		10		6.4	
OU3-16S	9/19/2011	1.3		39		8.9		5.5	
OU3-16S	3/20/2012	1.8		37		6.9		4.1	
OU3-16M	10/15/2010	4.1		91		21		11	
OU3-16M	10/15/2010	2.5		64		16		7.6	
OU3-16M	10/15/2010	2.3		62		14		6.7	
OU3-16M	12/20/2010	4.6		100		21		11	
OU3-16M	3/21/2011	4.0		91		18	J	11	
OU3-16M	3/21/2011	3.9		91		17	J	9.6	
OU3-16M	6/20/2011	4.7		110		22		14	
OU3-16M	9/19/2011	4.4		120		20		13	
OU3-16M	3/20/2012	4.0		100		18		12	
OU3-16M	3/20/2012	4.0		99		18		12	
OU3-17S	12/20/2010	< 0.50		1.4		< 0.5		< 0.5	
OU3-17S	3/21/2011	< 0.50		1.3		< 0.5	UJ	< 0.5	
OU3-17S	6/20/2011	< 0.50		0.99		< 0.5		< 0.5	
OU3-17S	9/19/2011	< 0.50		2.9		< 0.5		< 0.5	
OU3-17S	9/19/2011	< 0.50		2.8		< 0.5		< 0.5	
OU3-17S	3/23/2012	< 0.50		2.5		< 0.5		< 0.5	
OU3-19M	11/4/2010	3.2		74		16		16	
OU3-19M	11/5/2010	2.2		52		8.6		9.9	
OU3-19M	11/5/2010	1.5		41		8.1		6.8	
OU3-19M	12/21/2010	3.3		80		21		12	
OU3-19M	12/21/2010	3.2		77		20		12	
OU3-19M	3/22/2011	2.5		59		13		9.6	
OU3-19M	6/21/2011	3.5		73		18		13	
OU3-19M	9/19/2011	2.8		66		15		12	
OU3-19M	3/23/2012	2.4		59		11		7.5	
OU3-20S	12/20/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20S	3/21/2011	< 0.50		< 0.5		< 0.5	UJ	< 0.5	
OU3-20S	6/21/2011	< 0.50		0.58		< 0.5		< 0.5	
OU3-20S	9/20/2011	< 0.50		1.6		< 0.5		< 0.5	
OU3-20S	4/10/2012	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	11/16/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	11/17/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	11/17/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	12/20/2010	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	3/21/2011	< 0.50		< 0.5		< 0.5	UJ	< 0.5	
OU3-20M	6/21/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	9/20/2011	< 0.50		< 0.5		< 0.5		< 0.5	
OU3-20M	3/22/2012	< 0.50		< 0.5		< 0.5		< 0.5	
SC-MW-1D	3/13/2006	1.6	J	11		2.9	J	6.3	
SC-MW-1D	9/12/2006	1.7		15		3.7	J+	11	
SC-MW-1D	3/13/2007	1.3	J+	10	J+	2.7	J+	7.5	

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

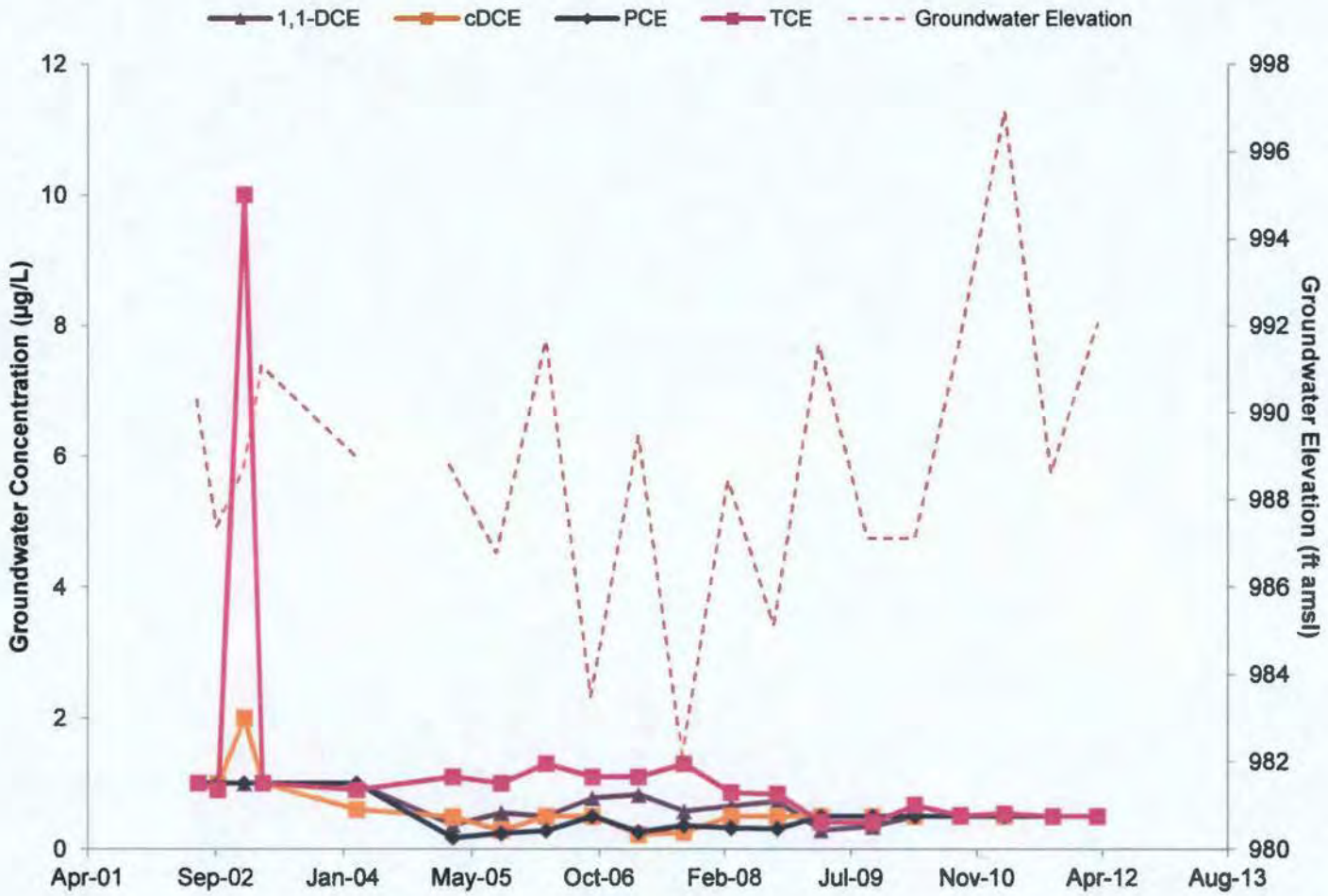
Well	Measurement Date	PCE µg/L		TCE µg/L		cDCE µg/L		1,1-DCE µg/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
SC-MW-1D	9/14/2007	0.99		7.4		2.1		7.1	
SC-MW-1D	3/14/2008	0.93		6.1		1.5		4.9	
SC-MW-1D	9/23/2008	1		4.6		1.1	J+	4	
SC-MW-1D	3/11/2009	0.29	J	1.5		0.36	J	1.2	
SC-MW-1D	9/30/2009	0.3	J	1.6		0.47	J	1	
SC-MW-1D	3/18/2010	< 0.50		2.6		0.77		1.9	
SC-MW-1D	9/15/2010	< 0.50		1.8		< 0.5		1.1	
SC-MW-1D	3/9/2011	< 0.50		1.6		< 0.5		0.84	
SC-MW-1D	9/9/2011	< 0.50		1.5		< 0.5		0.81	
SC-MW-1D	3/16/2012	< 0.50		1.2		< 0.5		0.64	

Appendix E
Time-Concentration Graphs



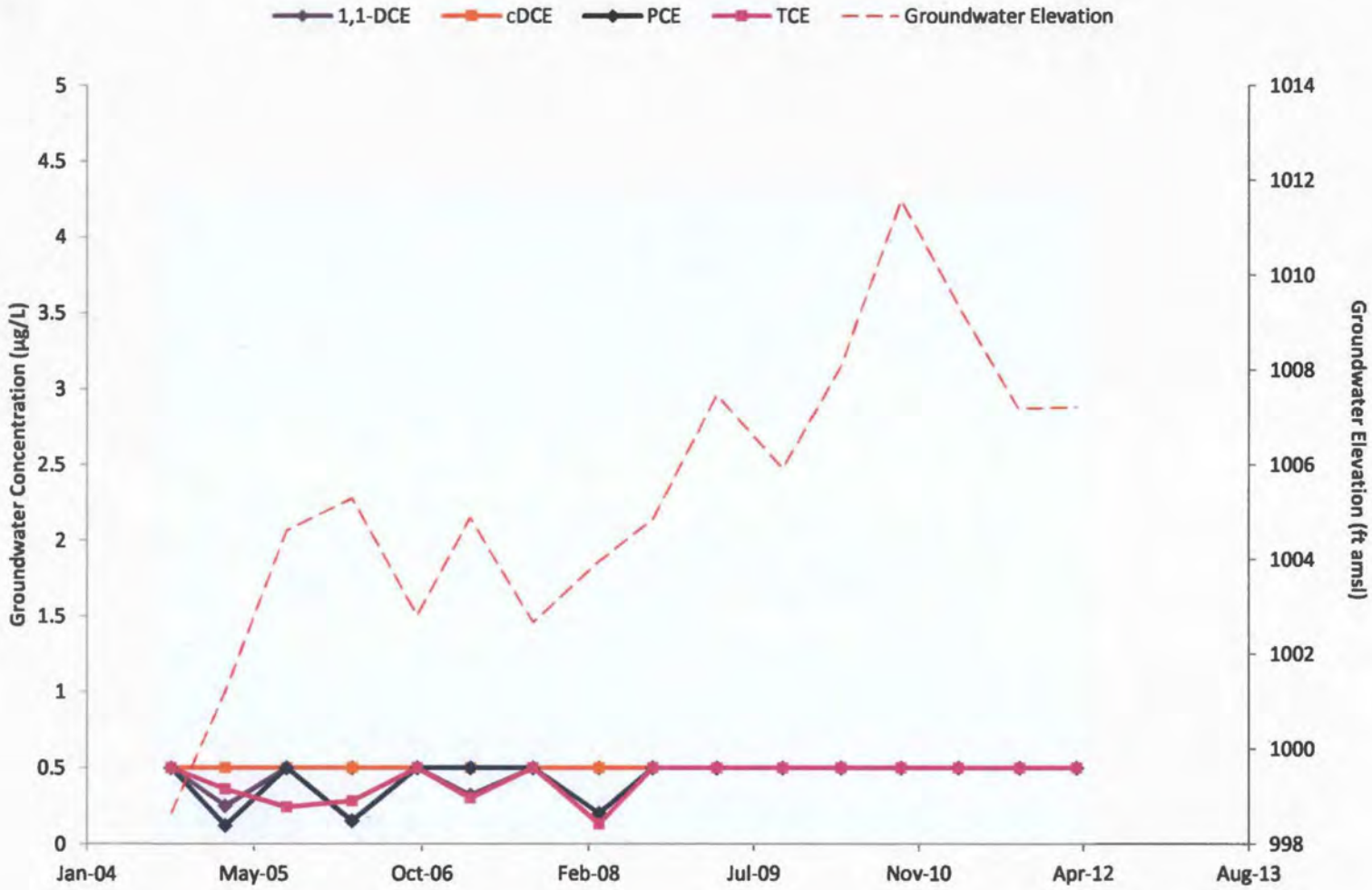
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
BE-MW-8
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



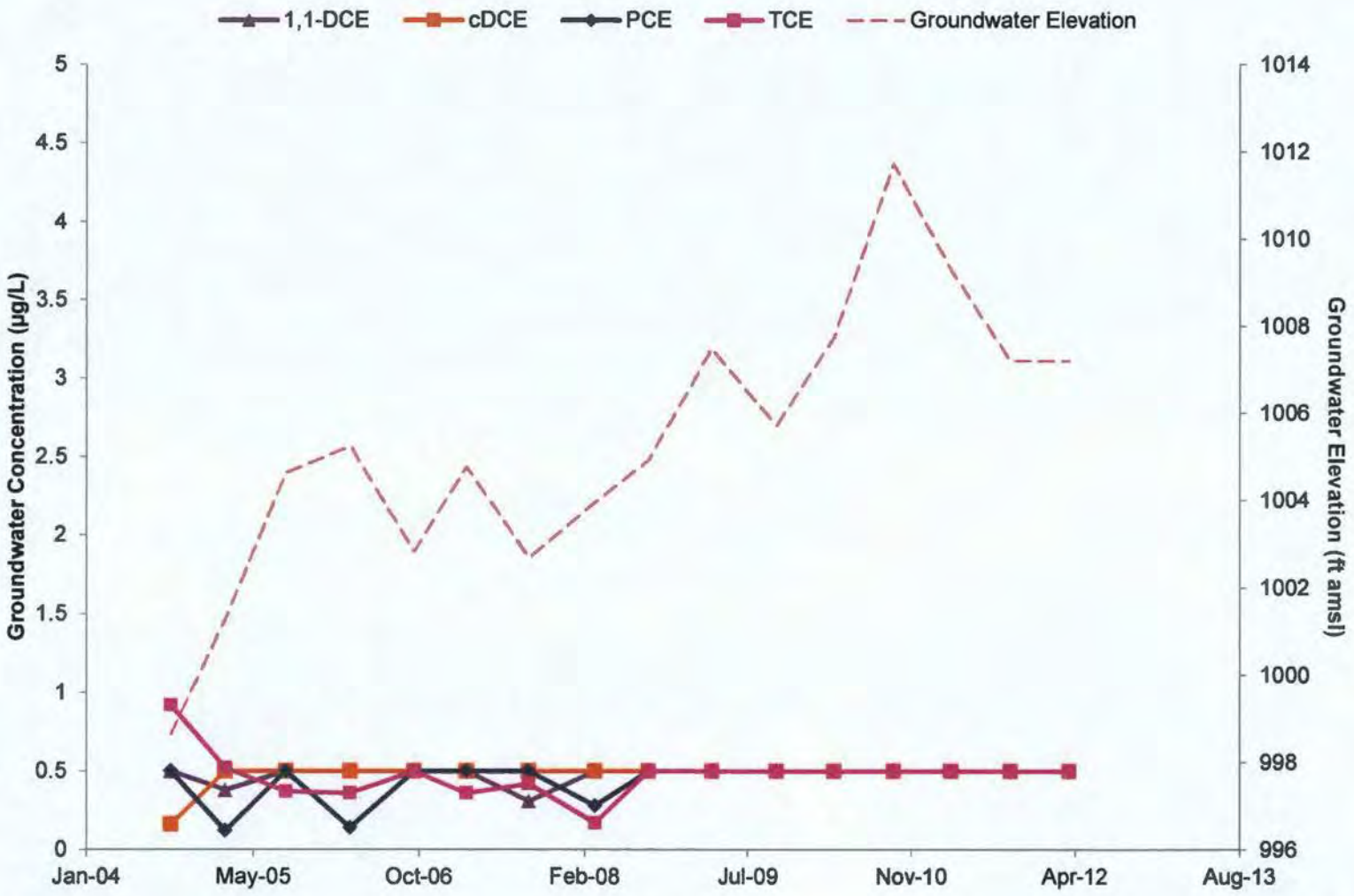
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
DT-DW-5
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



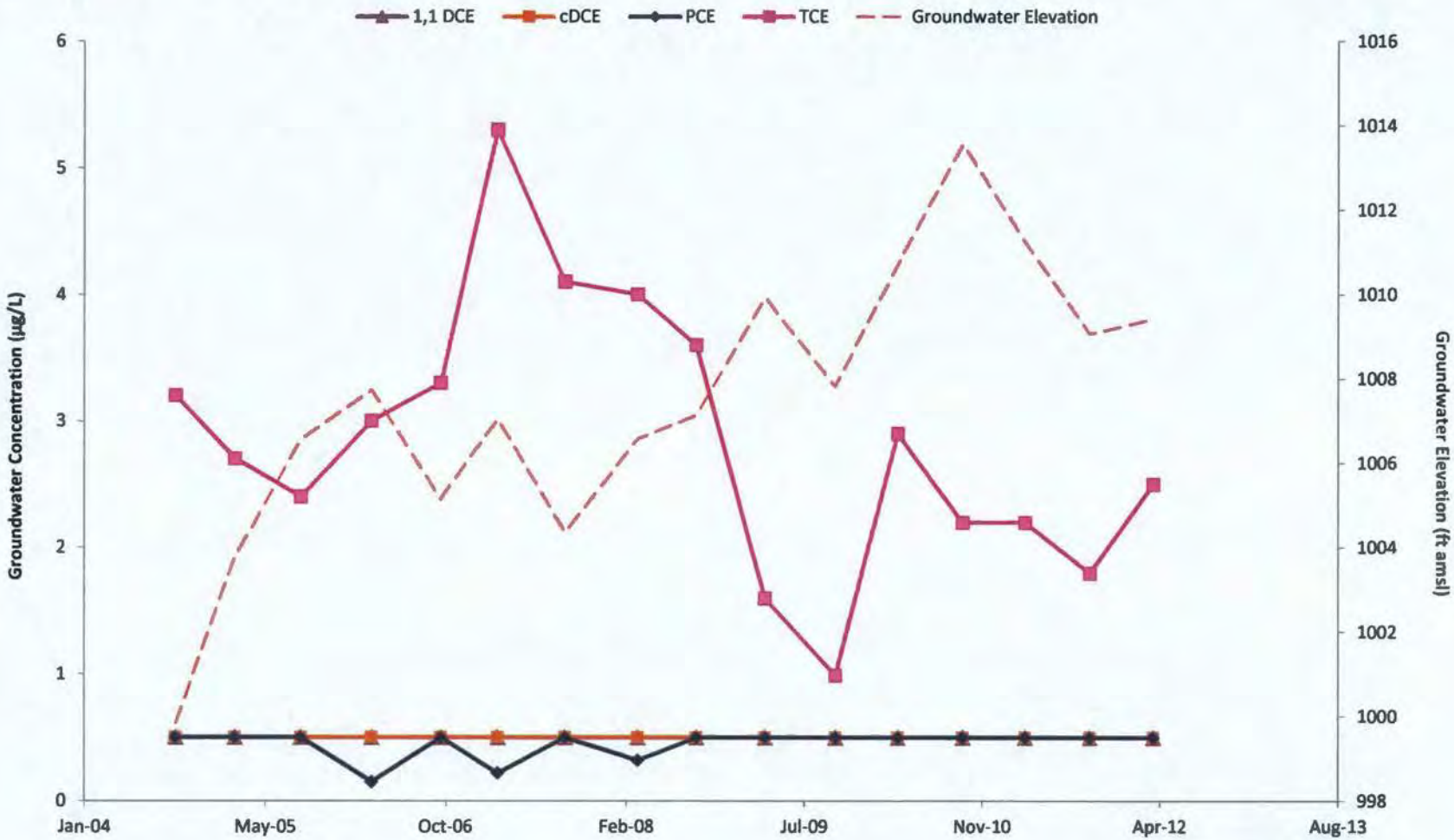
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-13-118
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



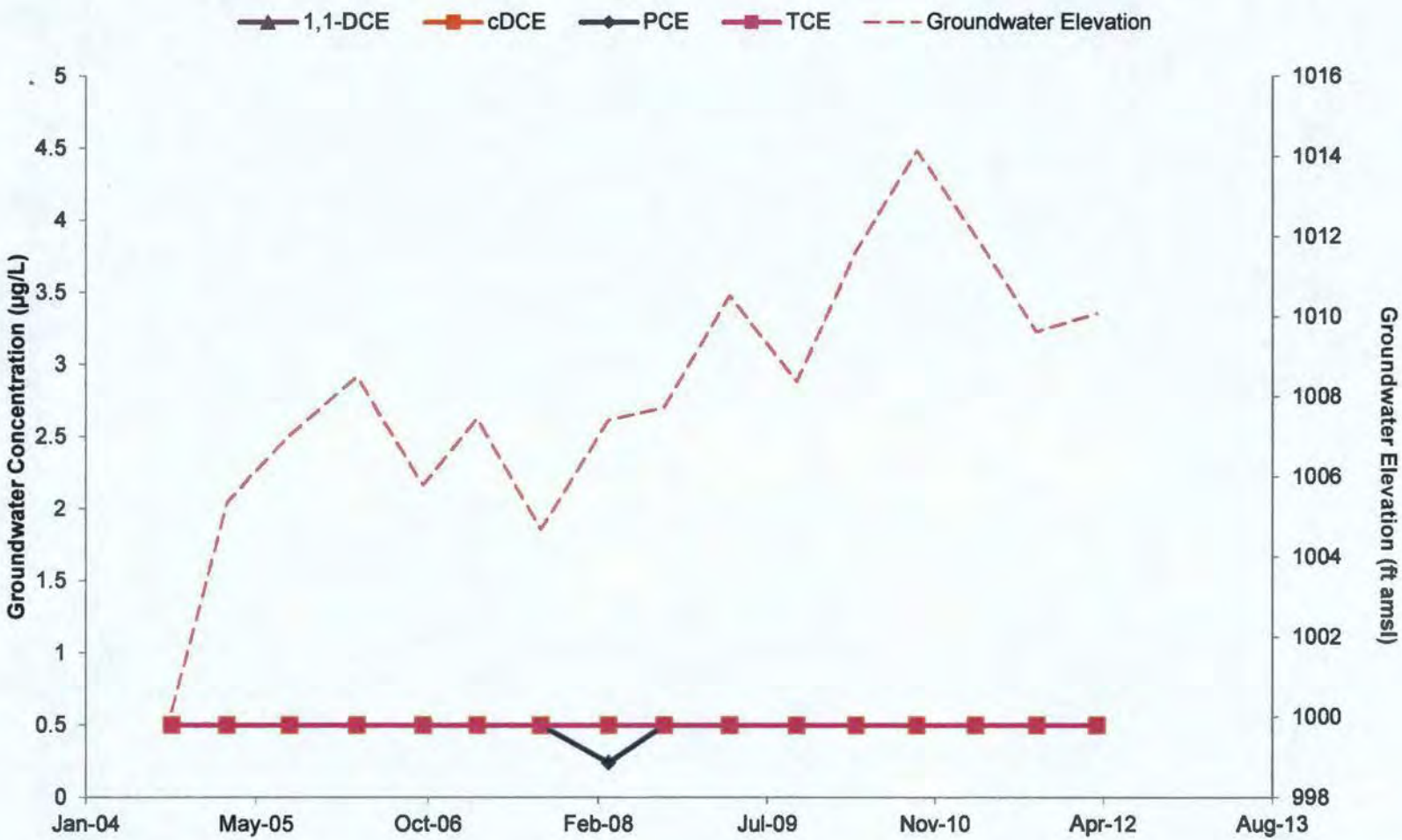
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-13-168
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



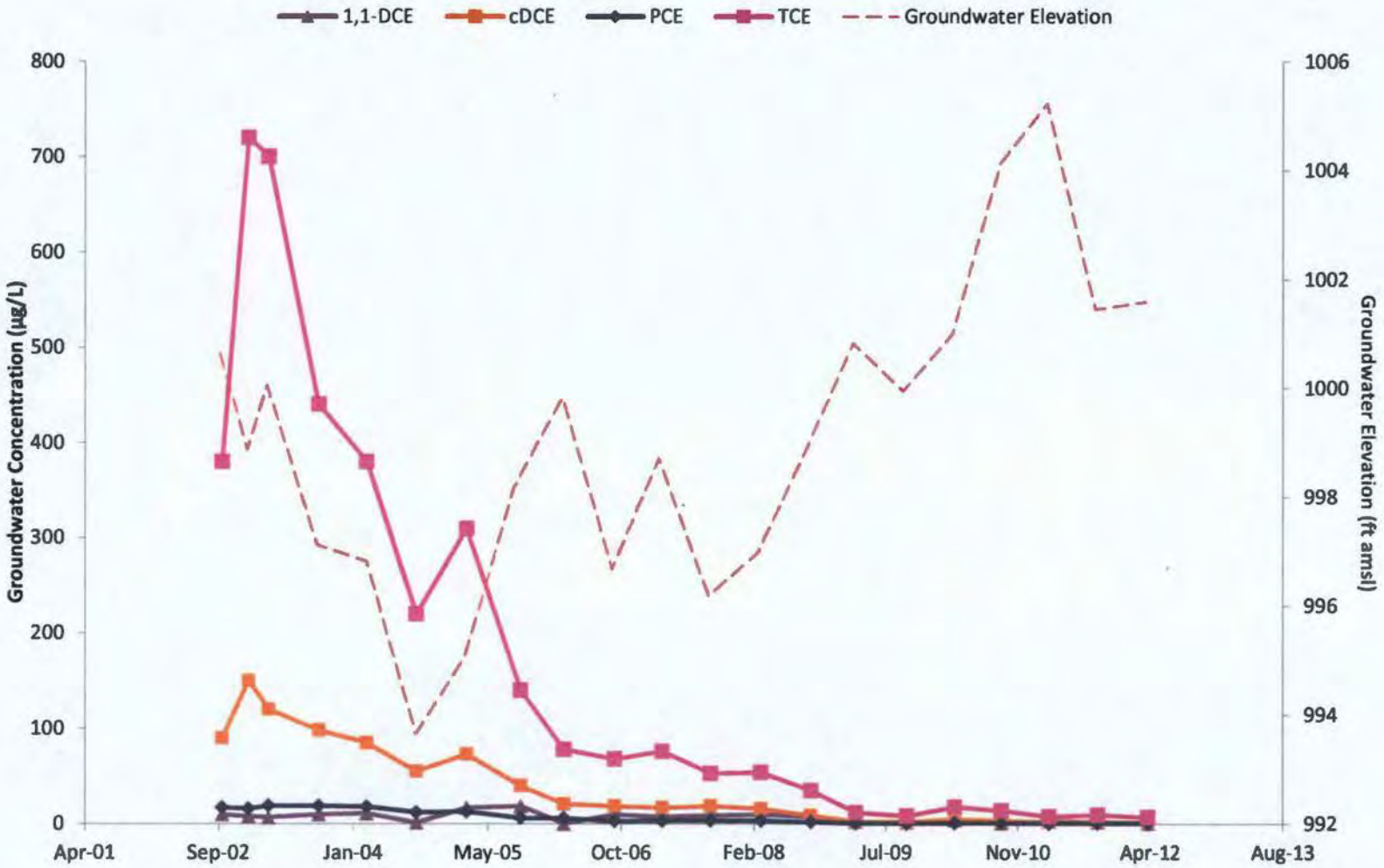
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-13-228
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



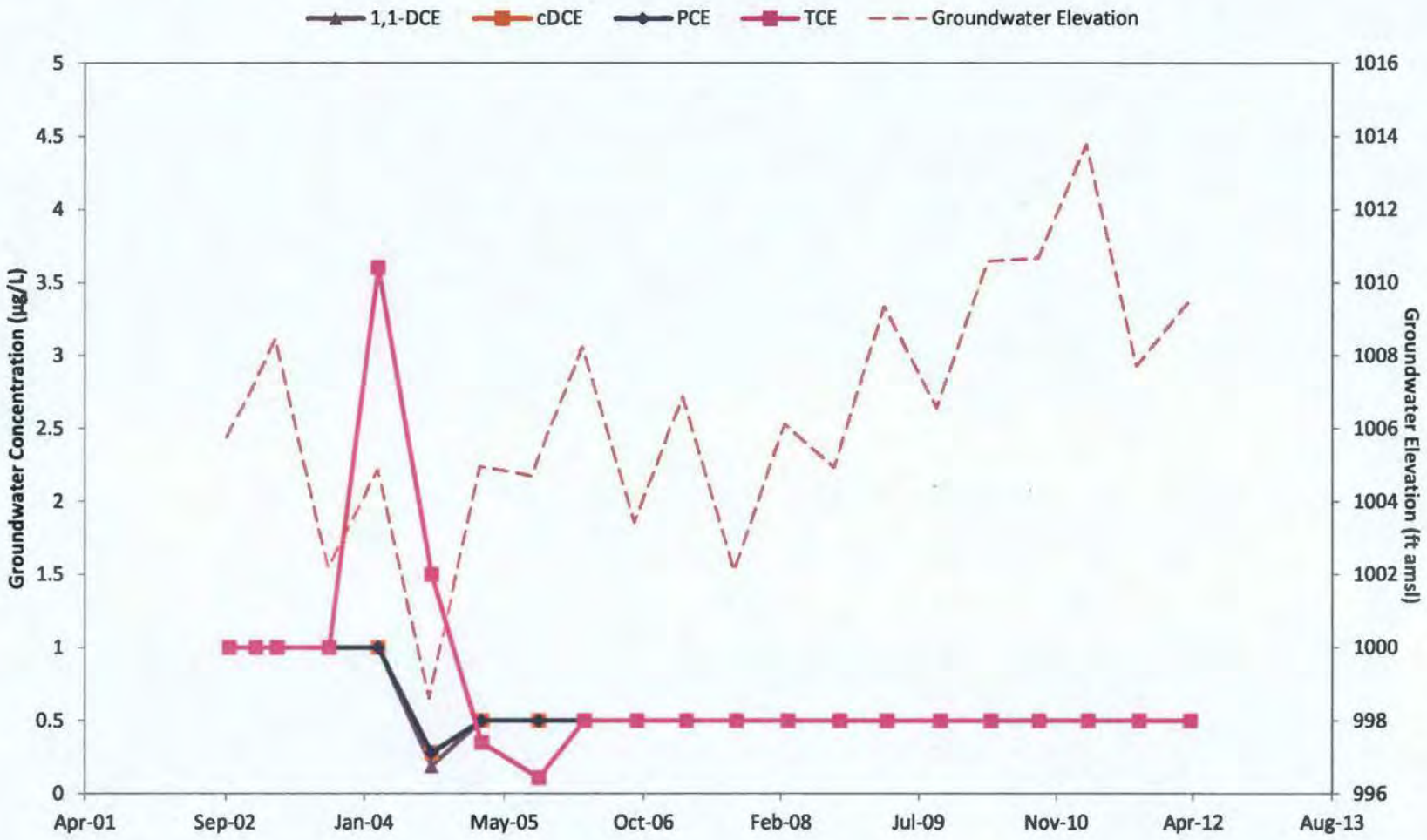
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-13-268
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



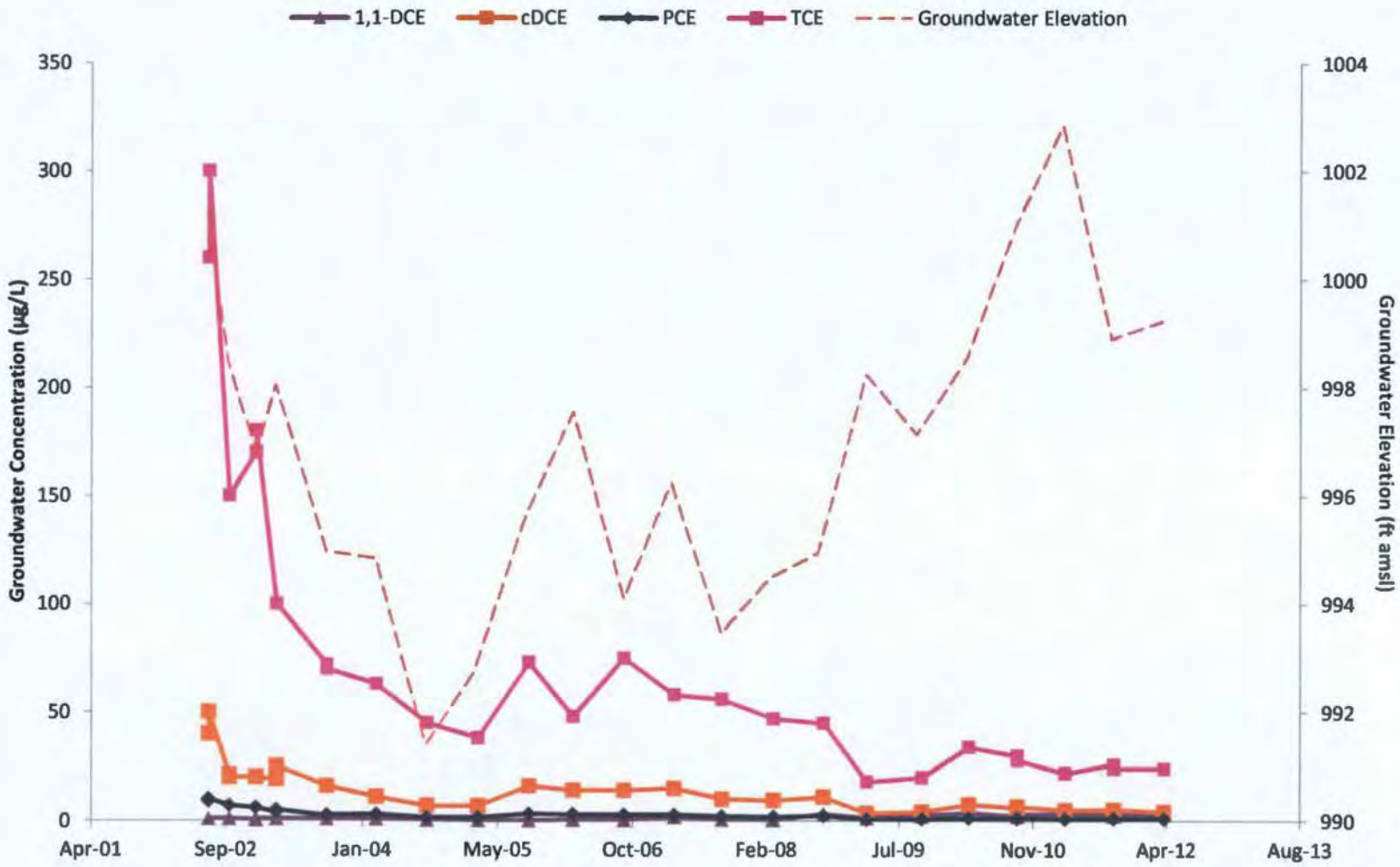
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-19S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



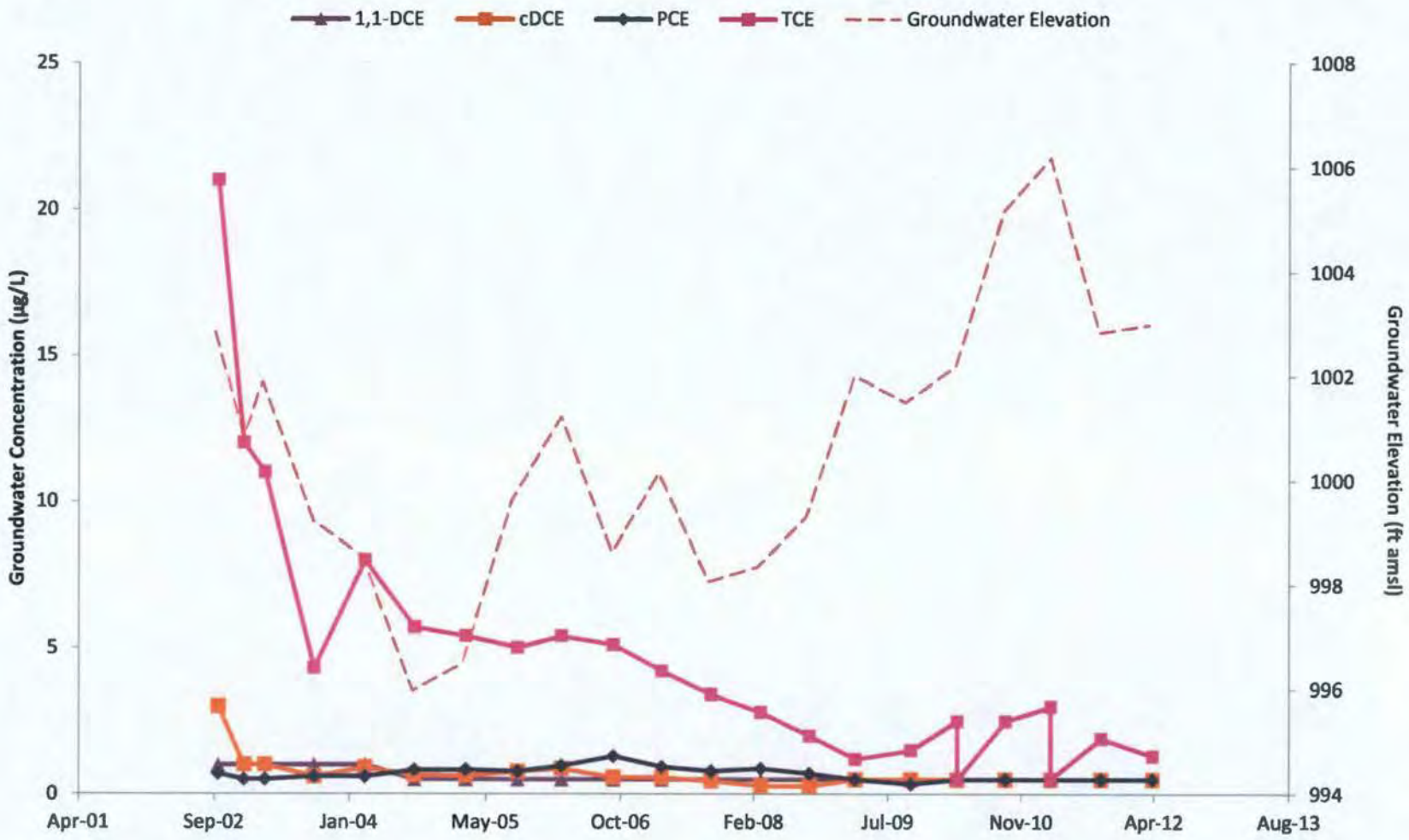
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-19D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



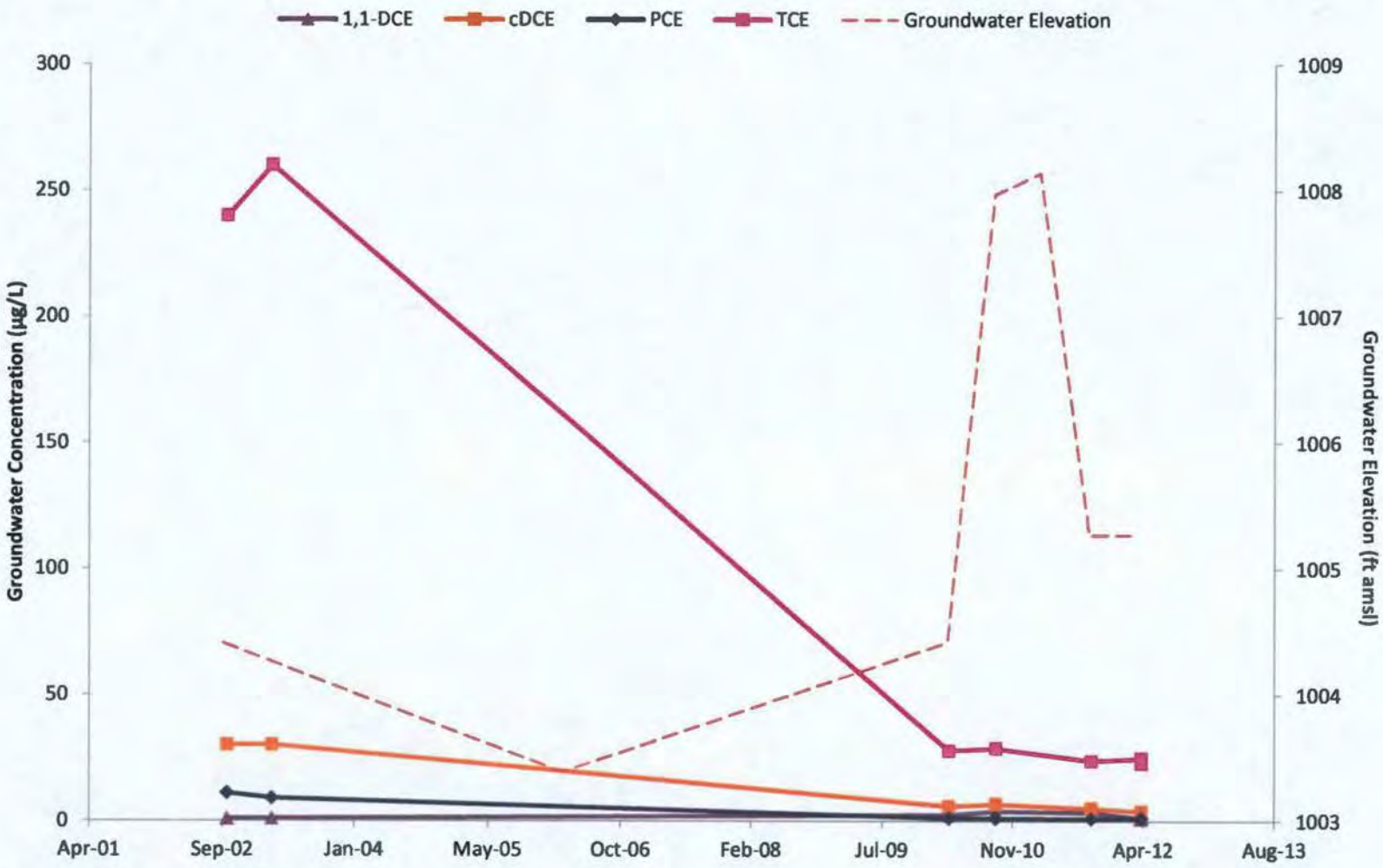
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-20
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



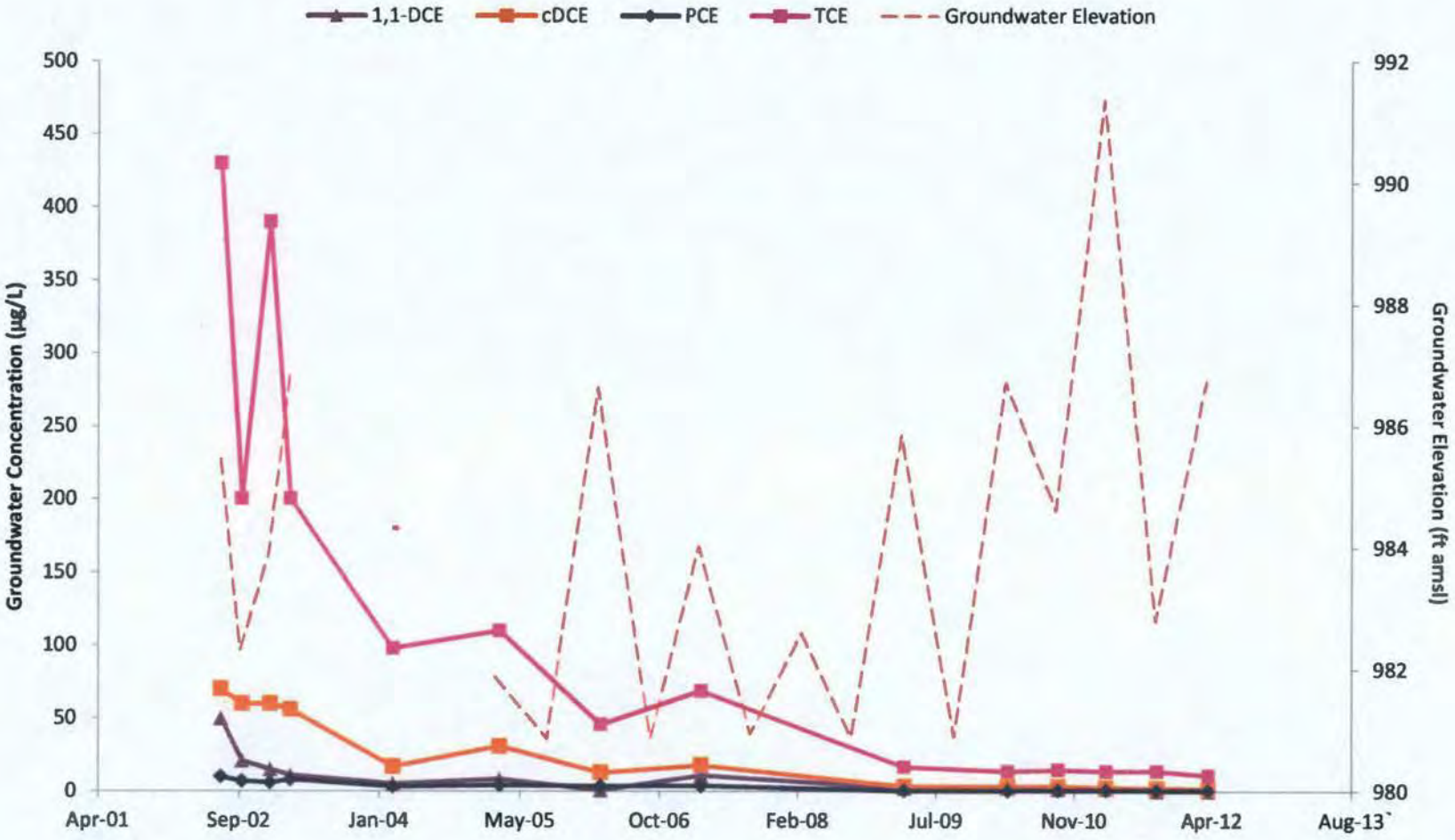
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-21
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



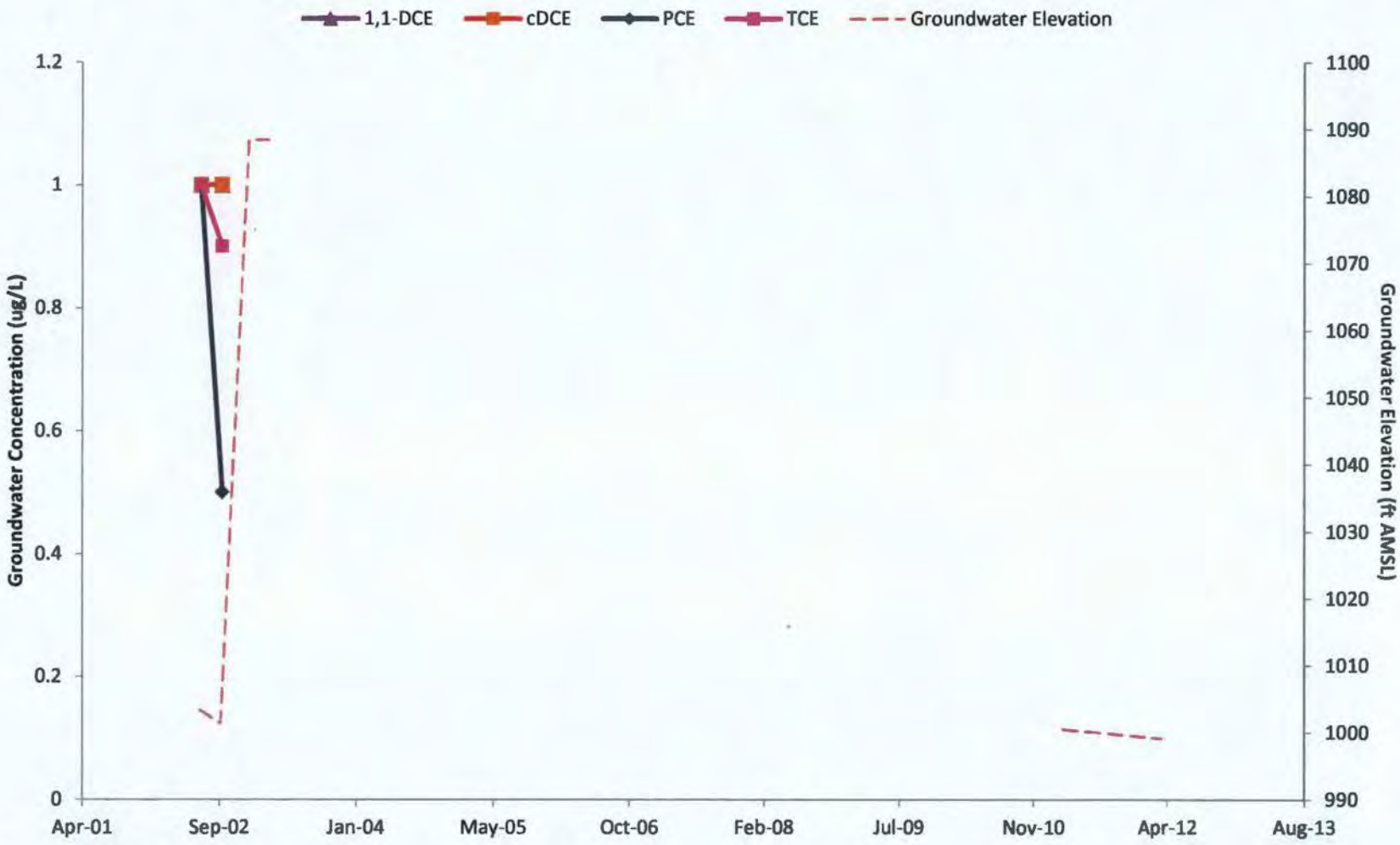
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EW-22S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



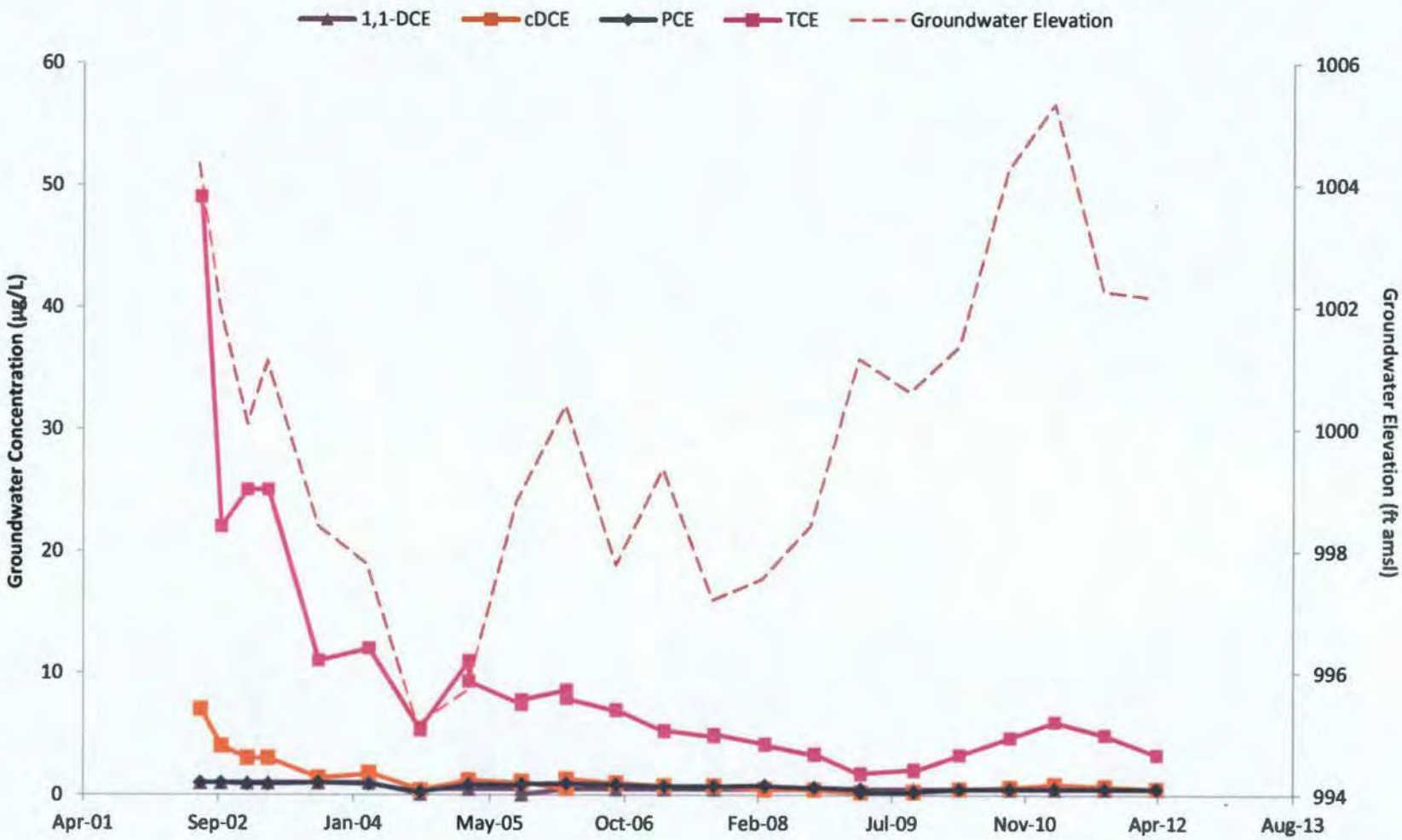
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
EWOU3-10S-R
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



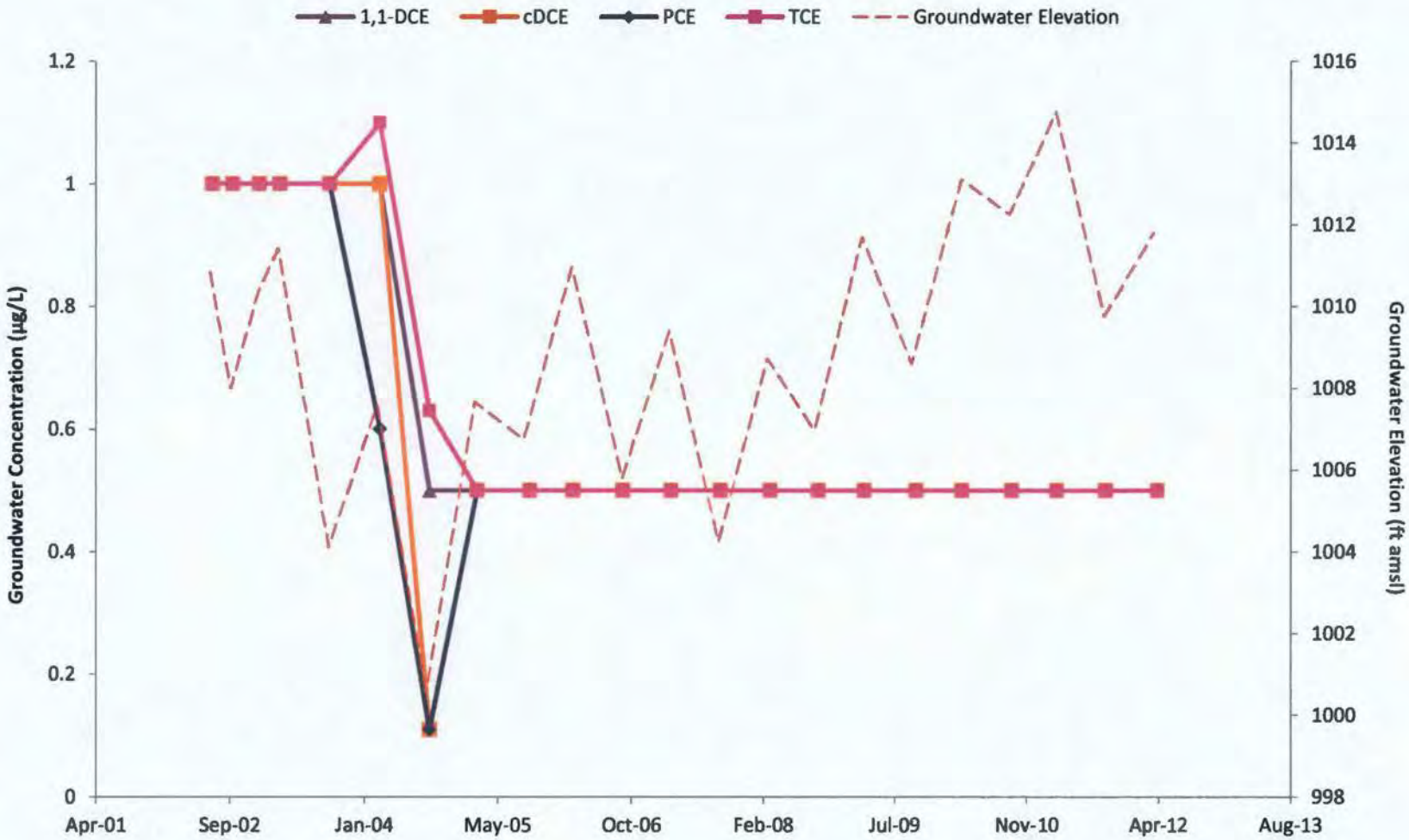
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
INTER-TEL MW-1
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



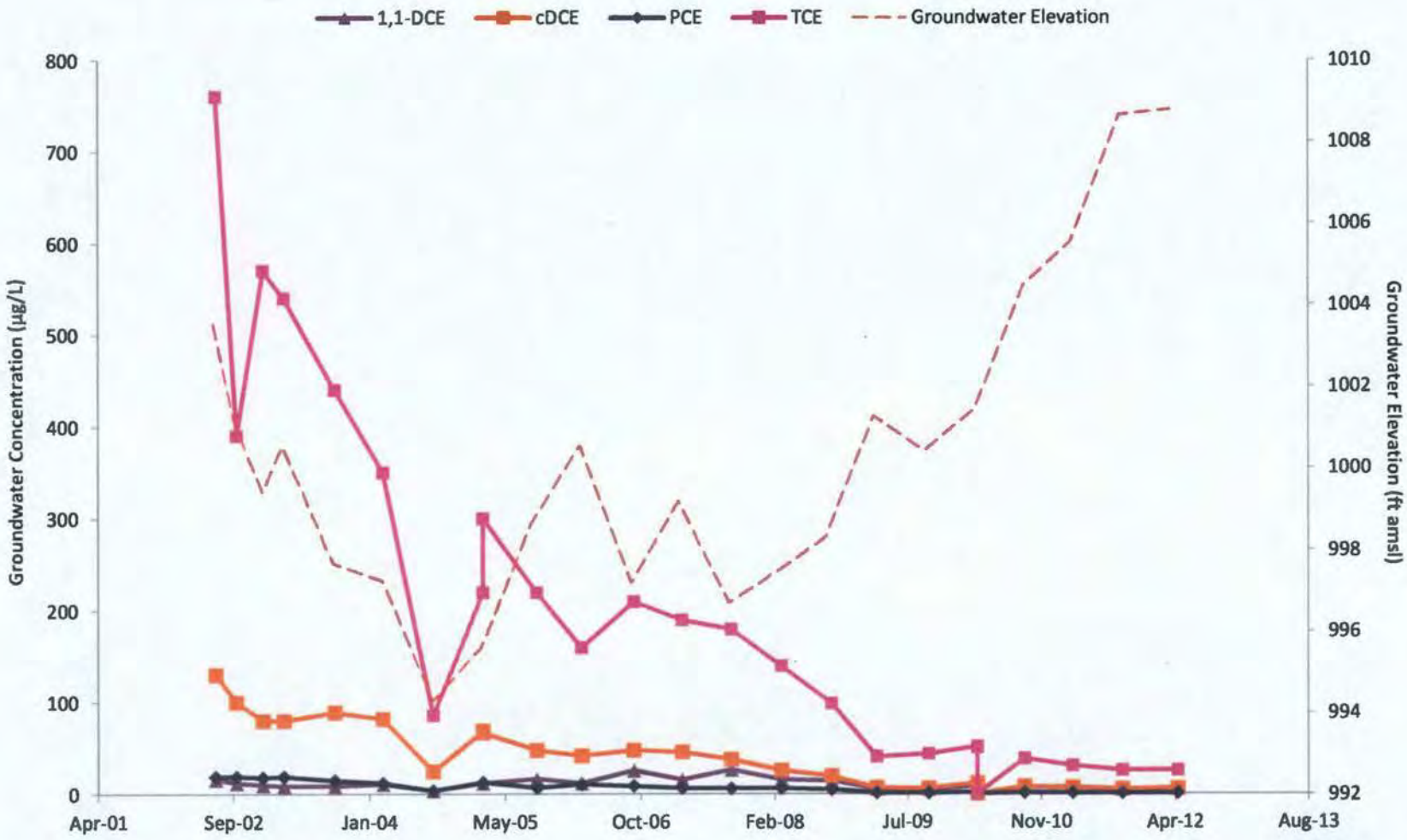
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-1M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



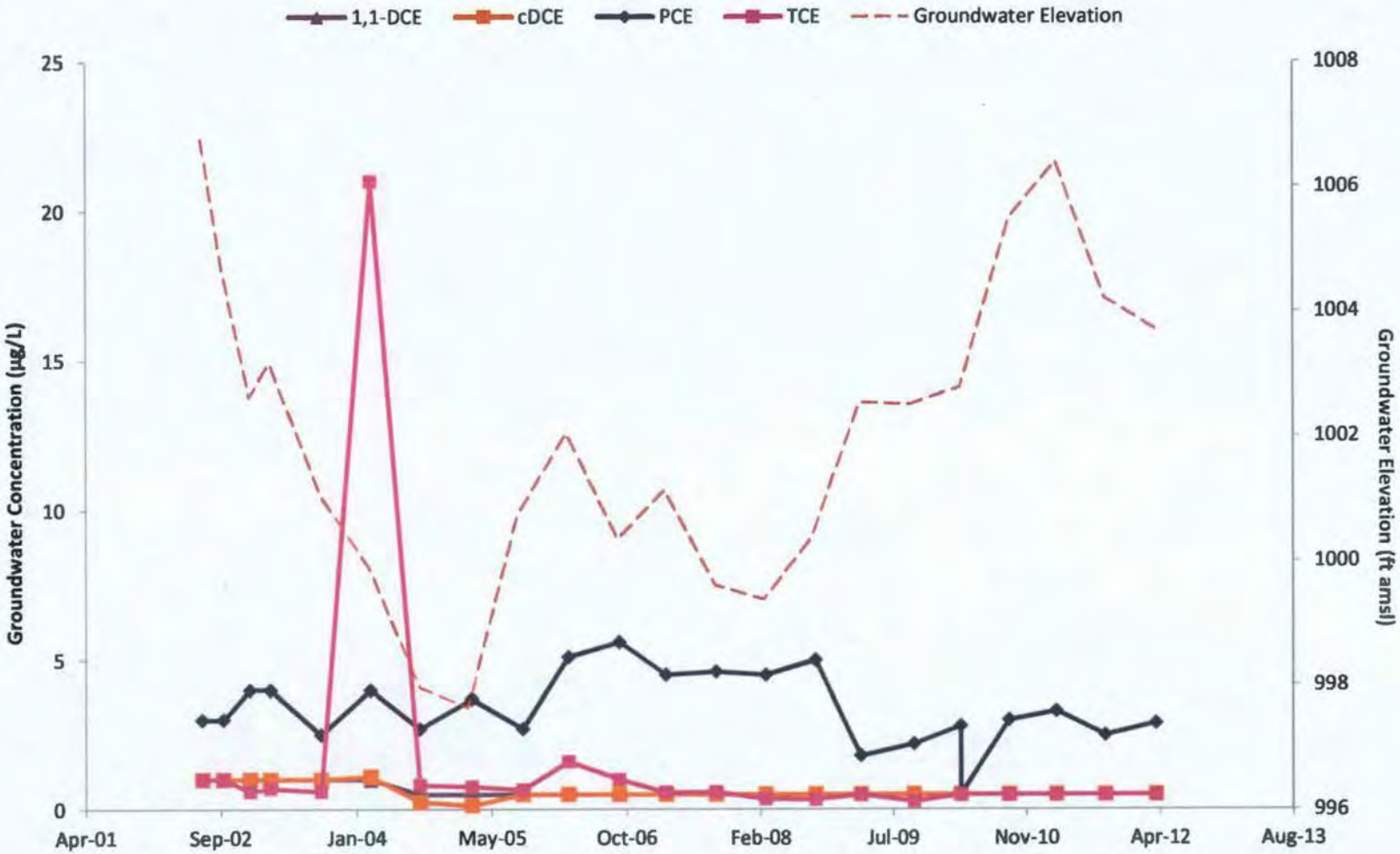
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-1D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



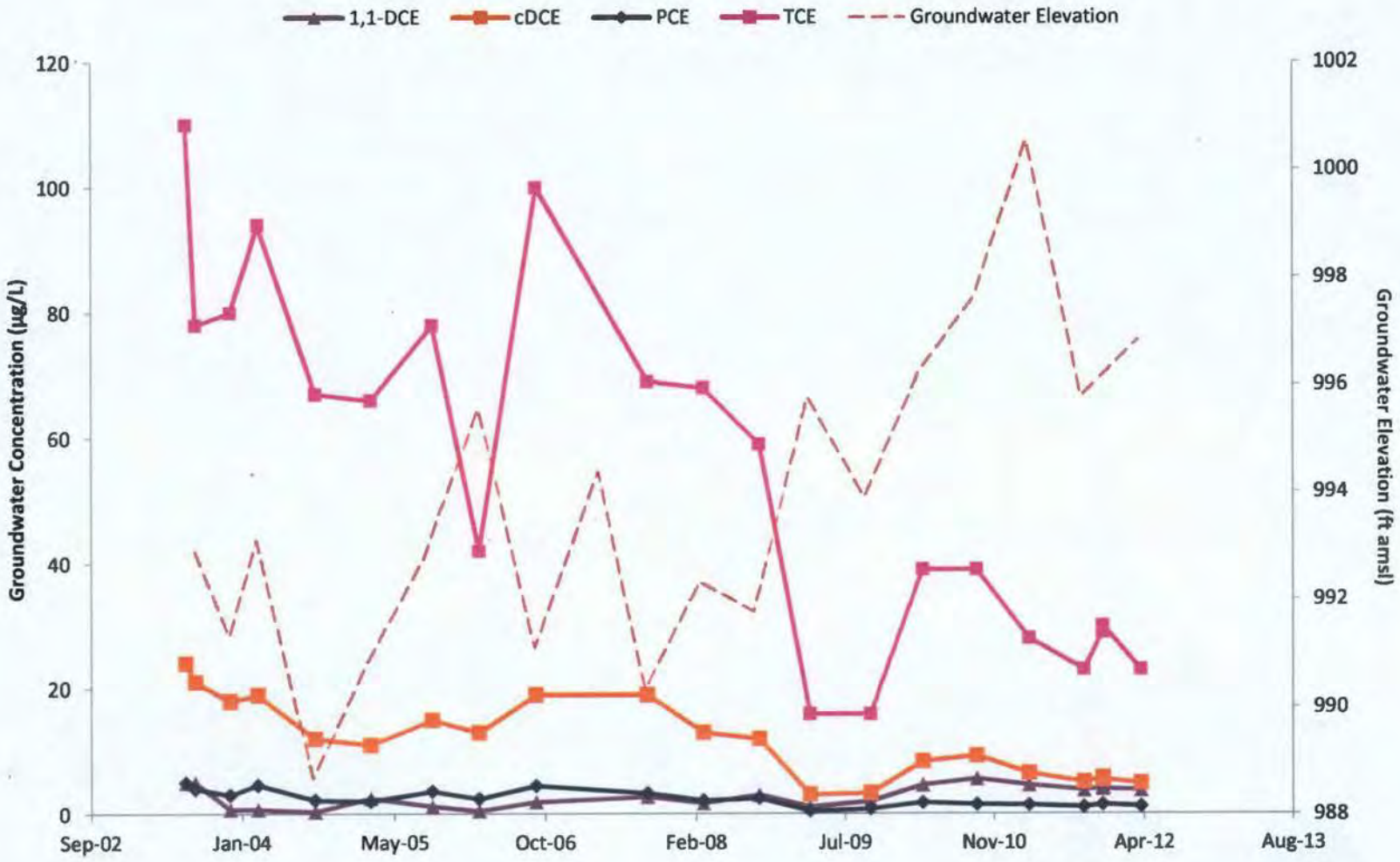
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-2M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



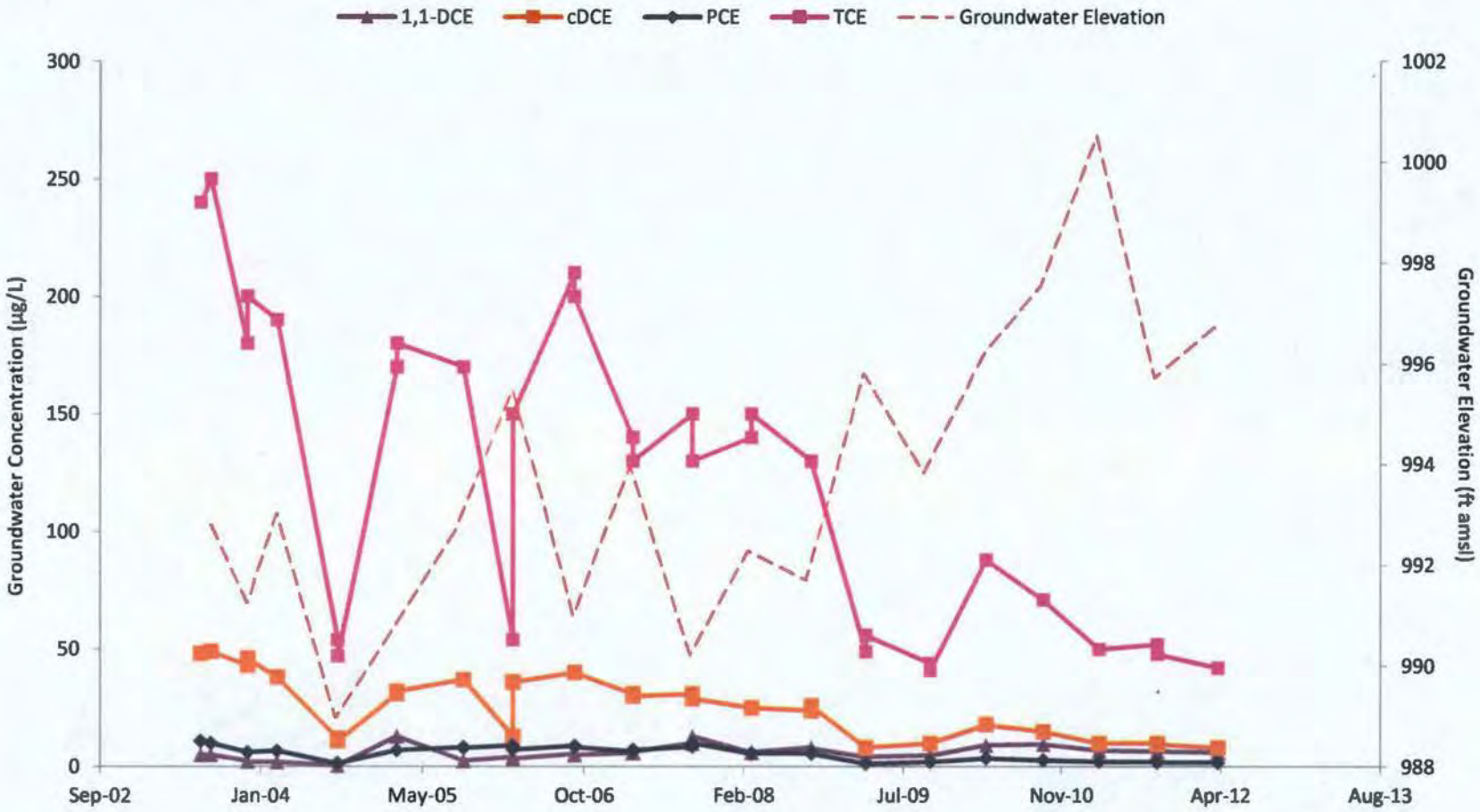
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-4S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



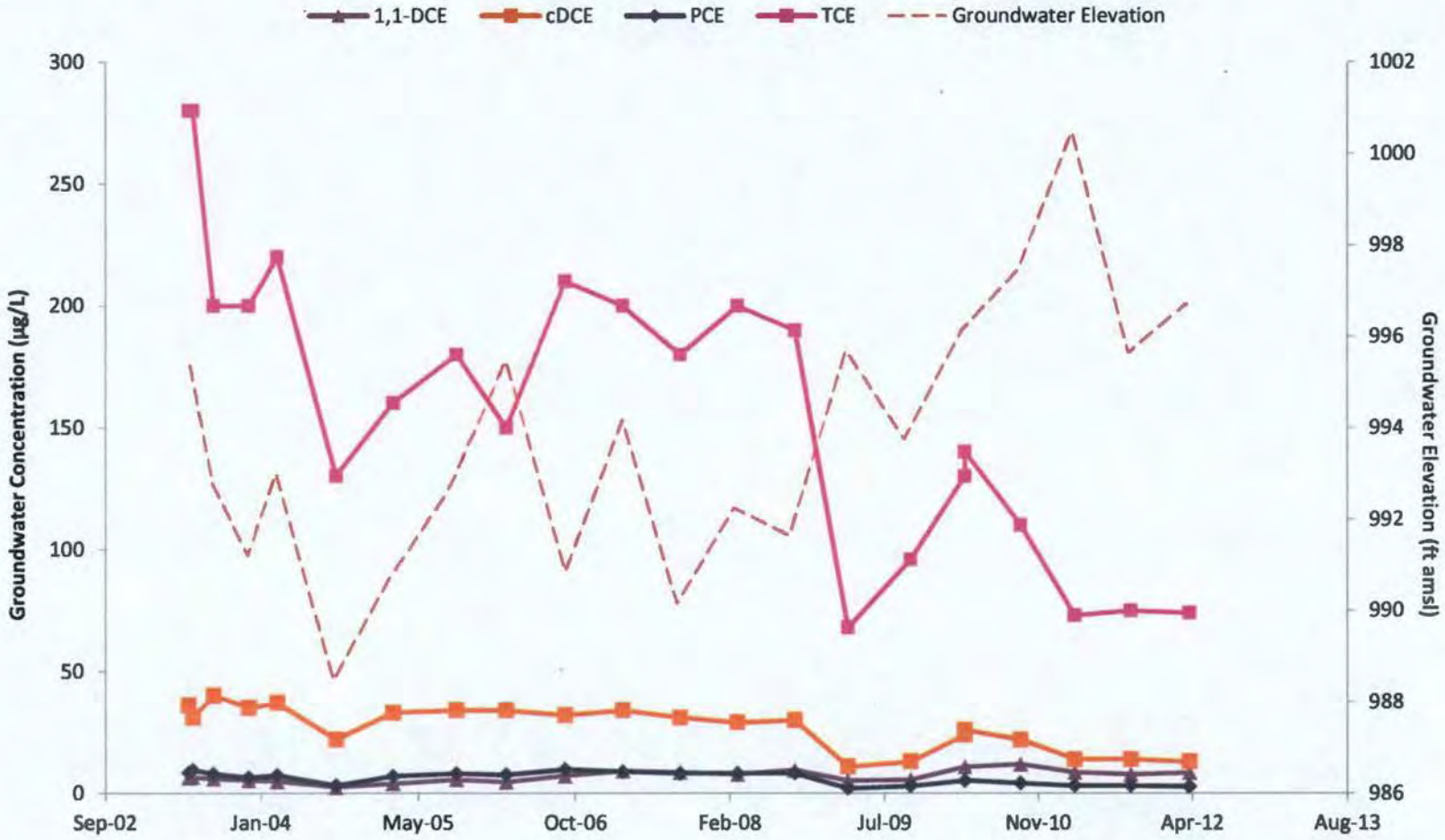
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-5SR
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



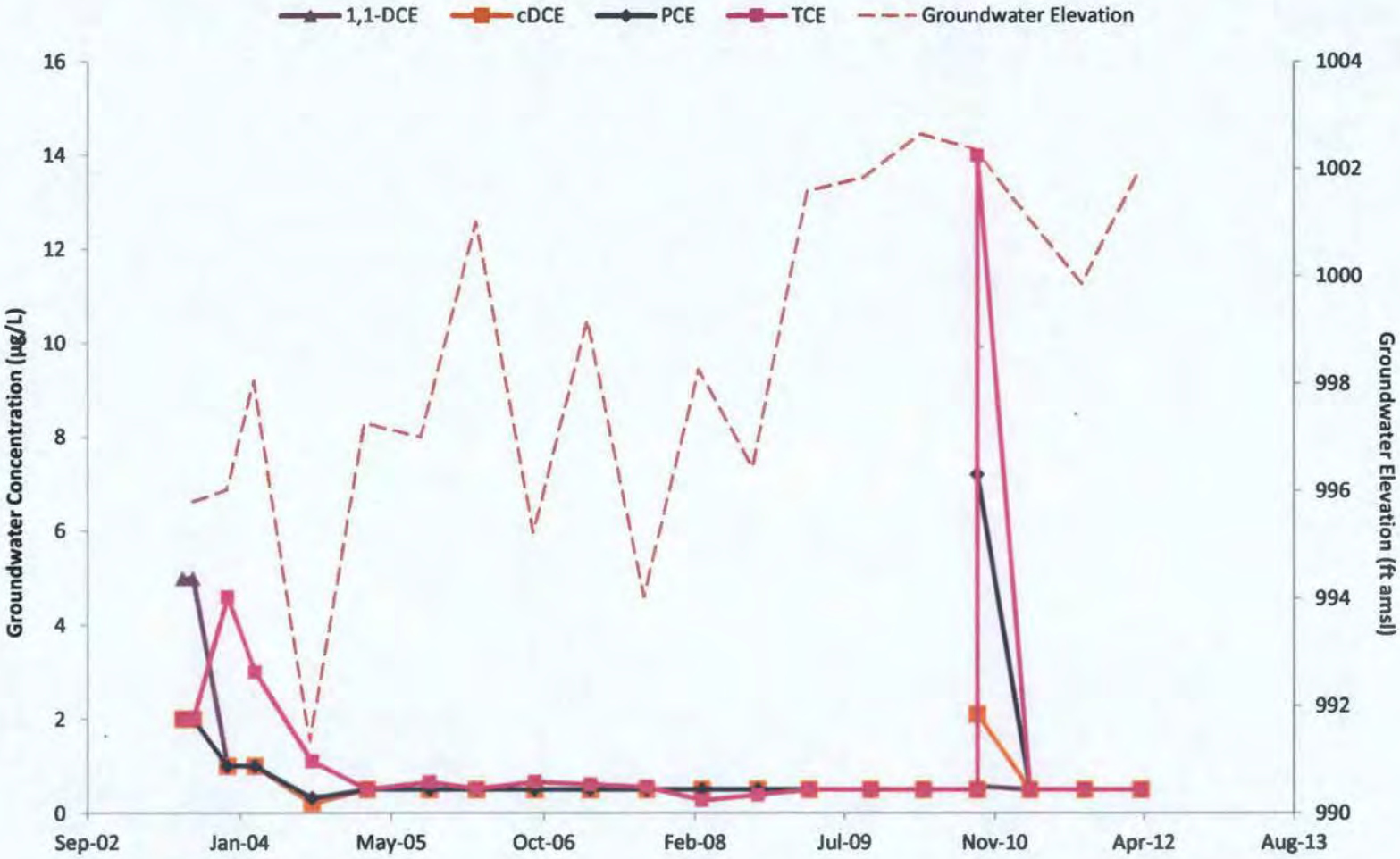
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-5MR
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



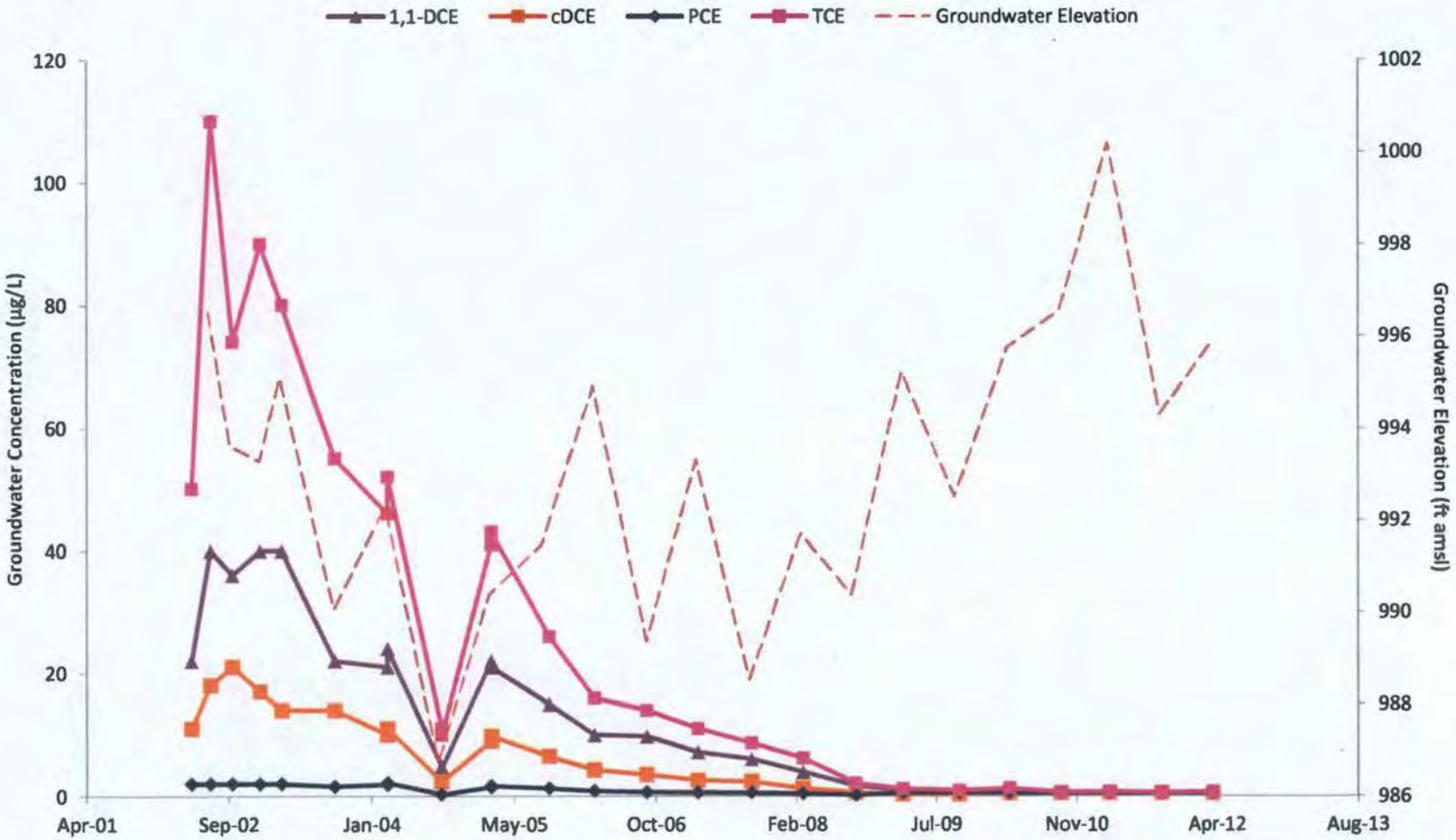
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-5M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



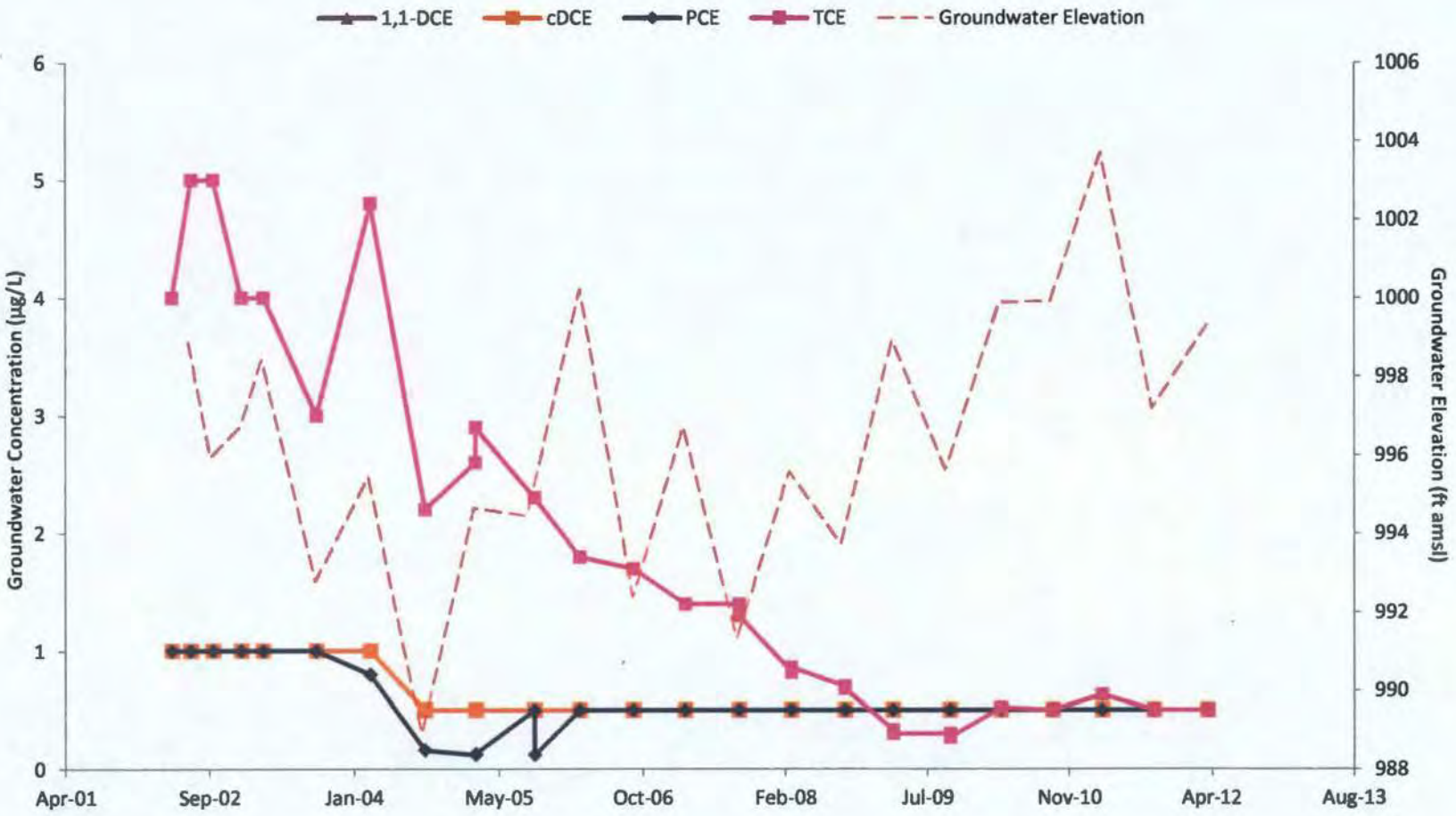
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-5DR
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



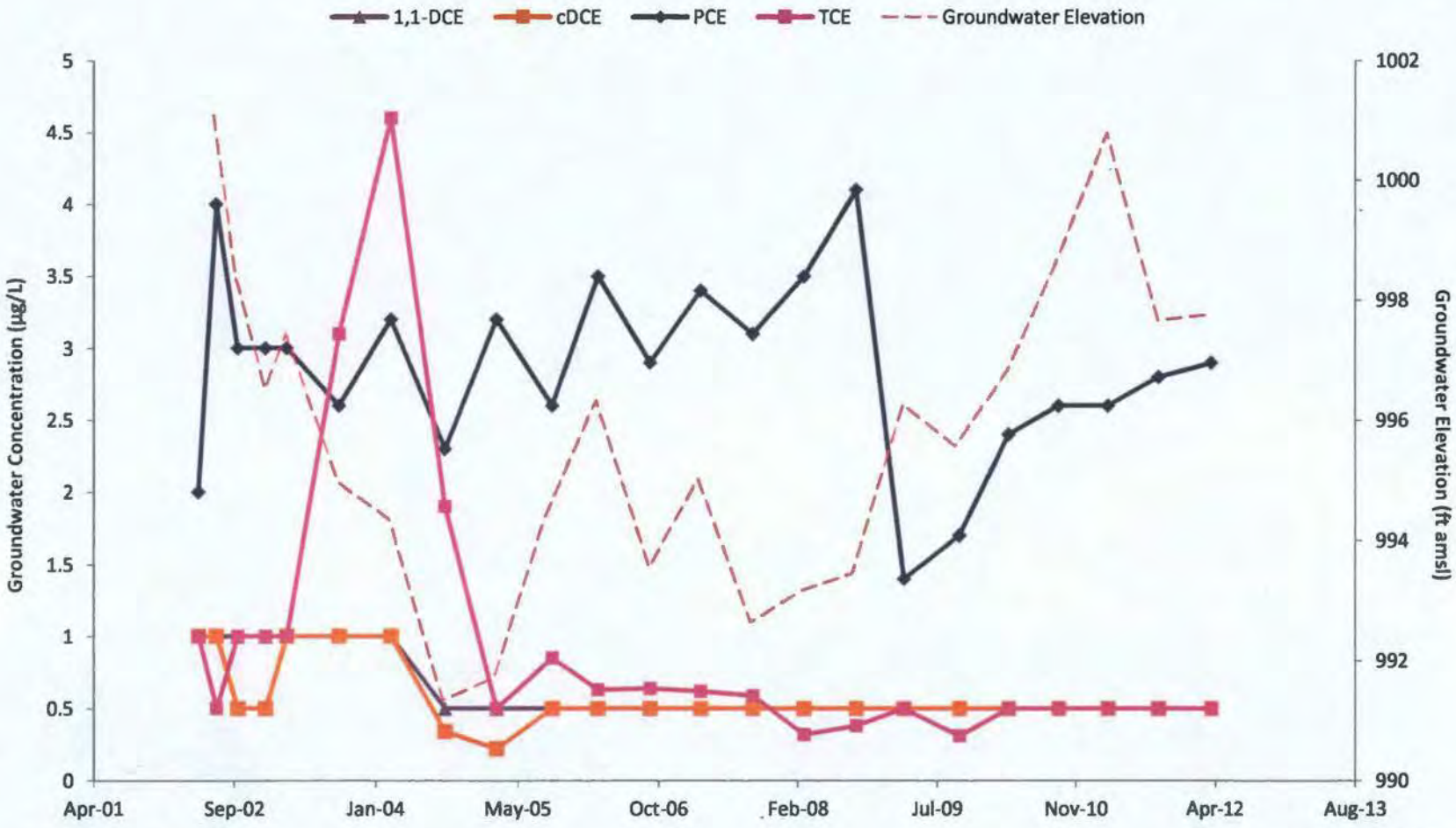
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-6M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



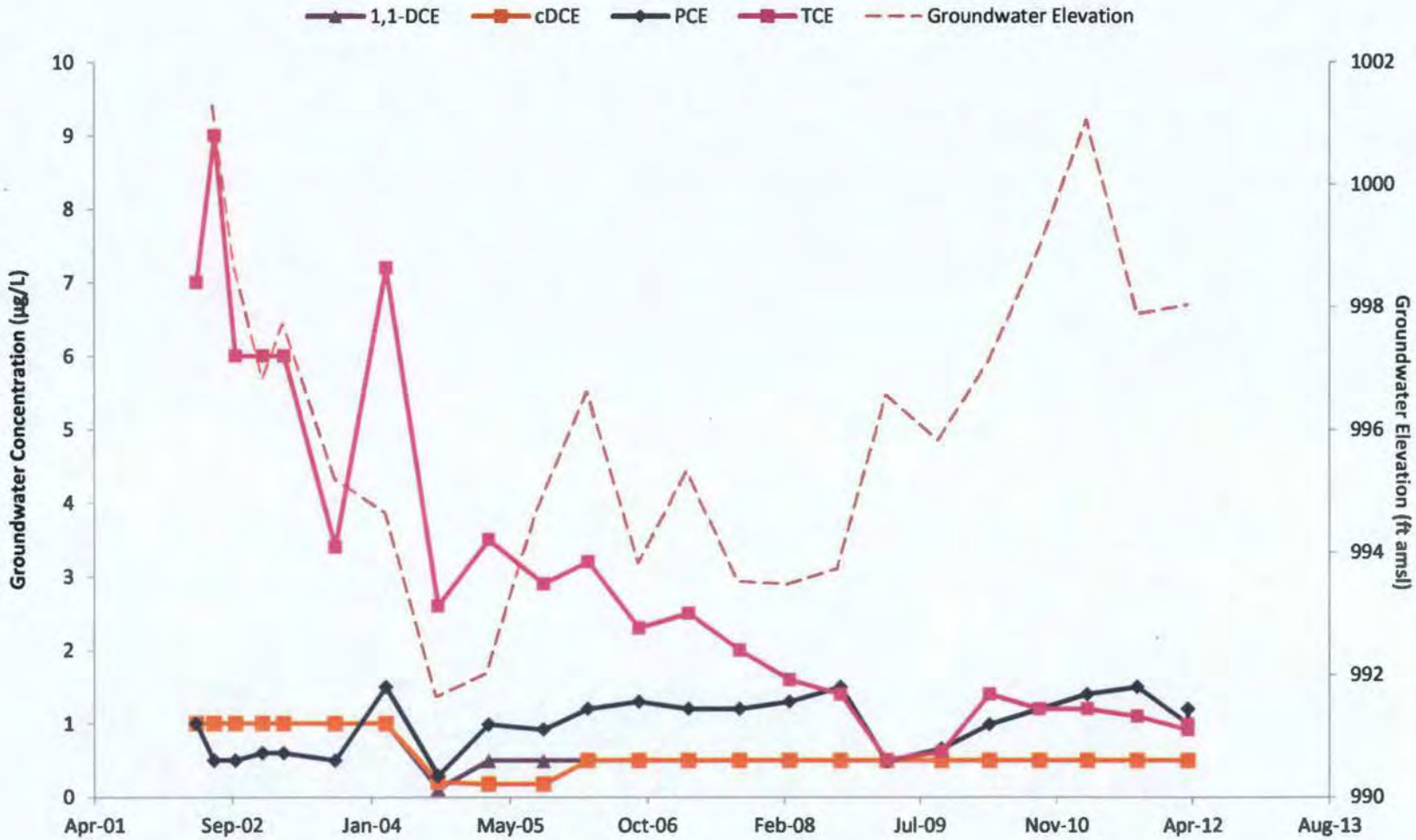
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-6D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



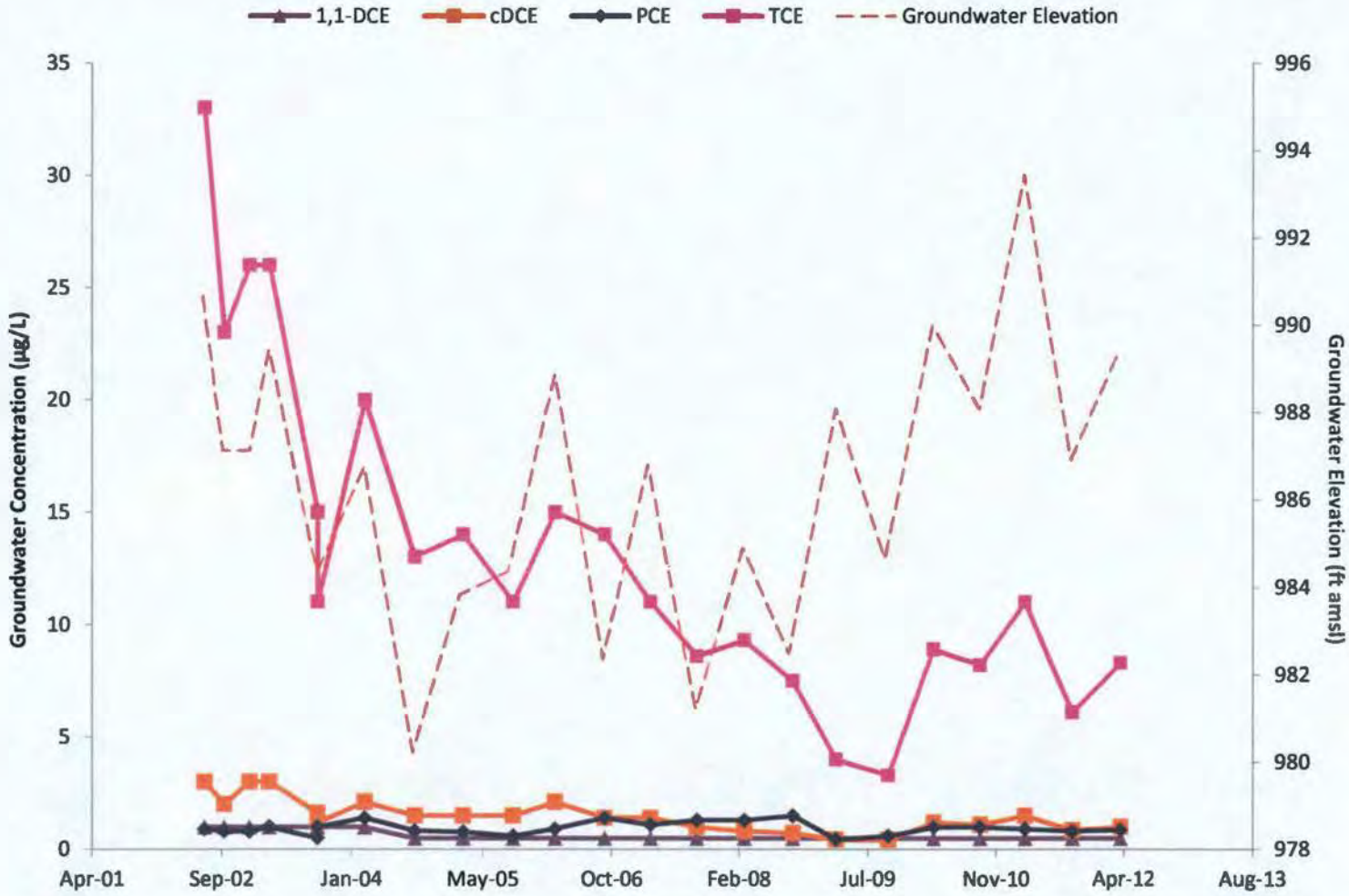
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-7S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



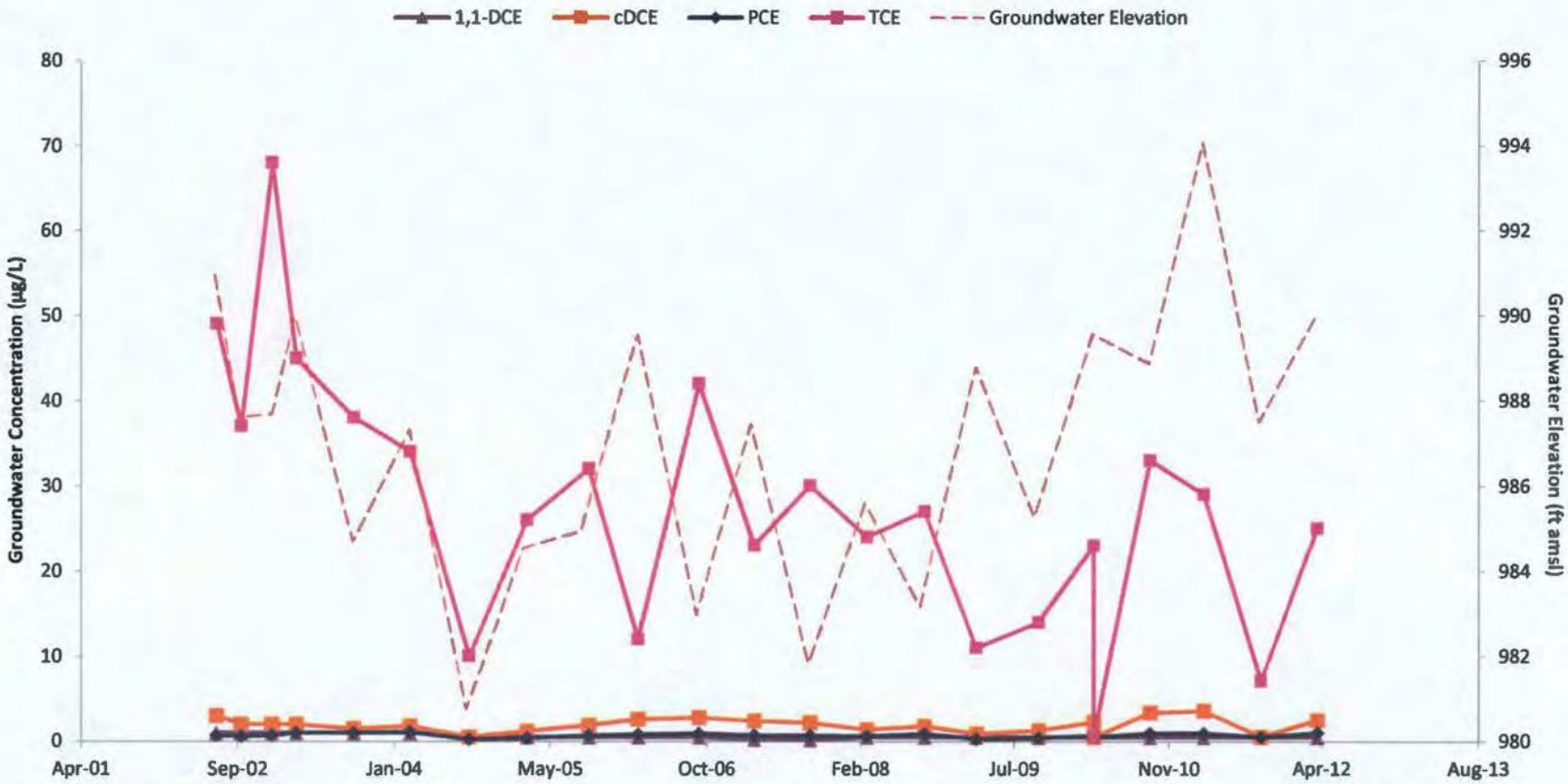
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-7M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



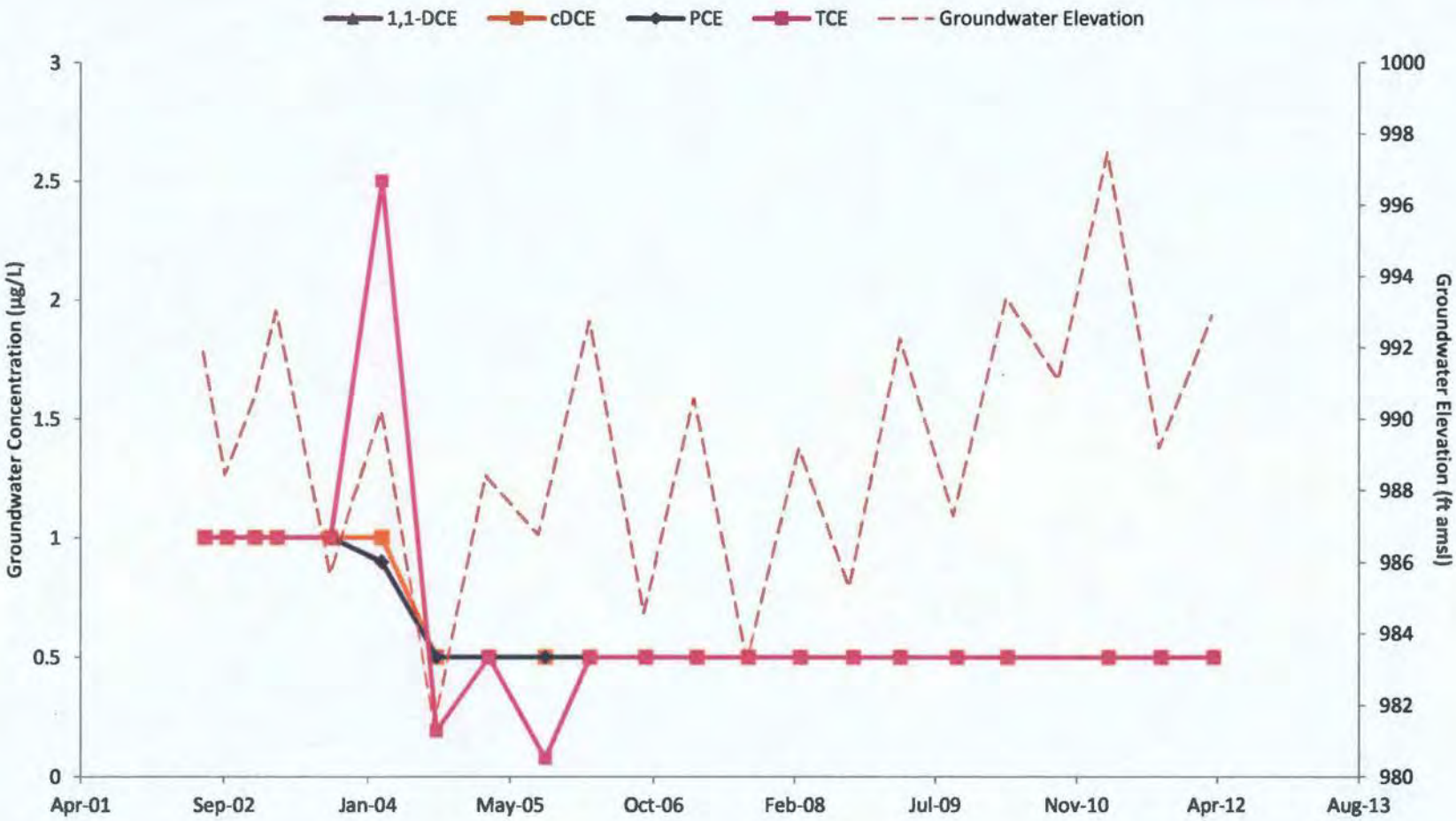
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-8S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



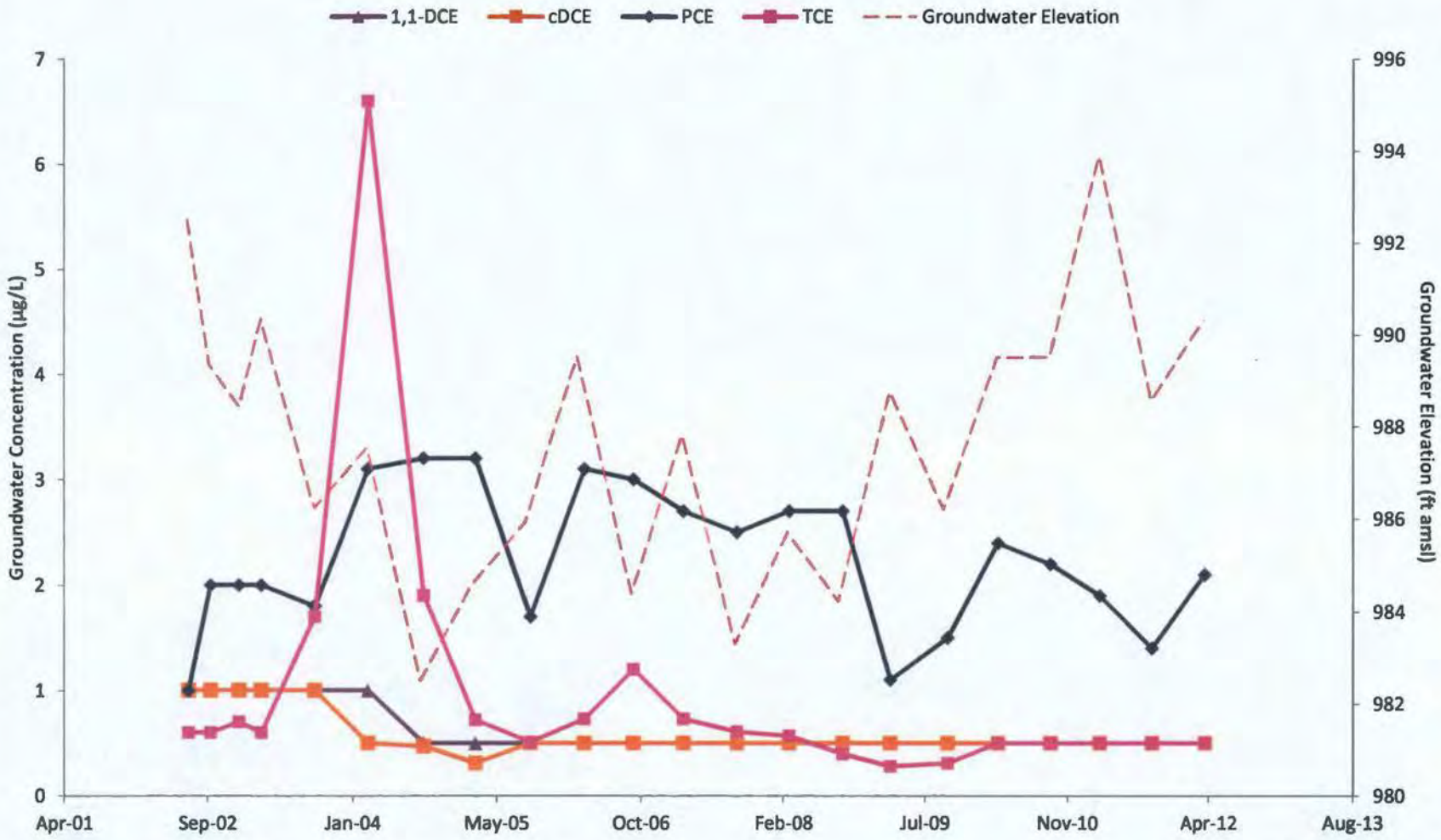
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-8M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



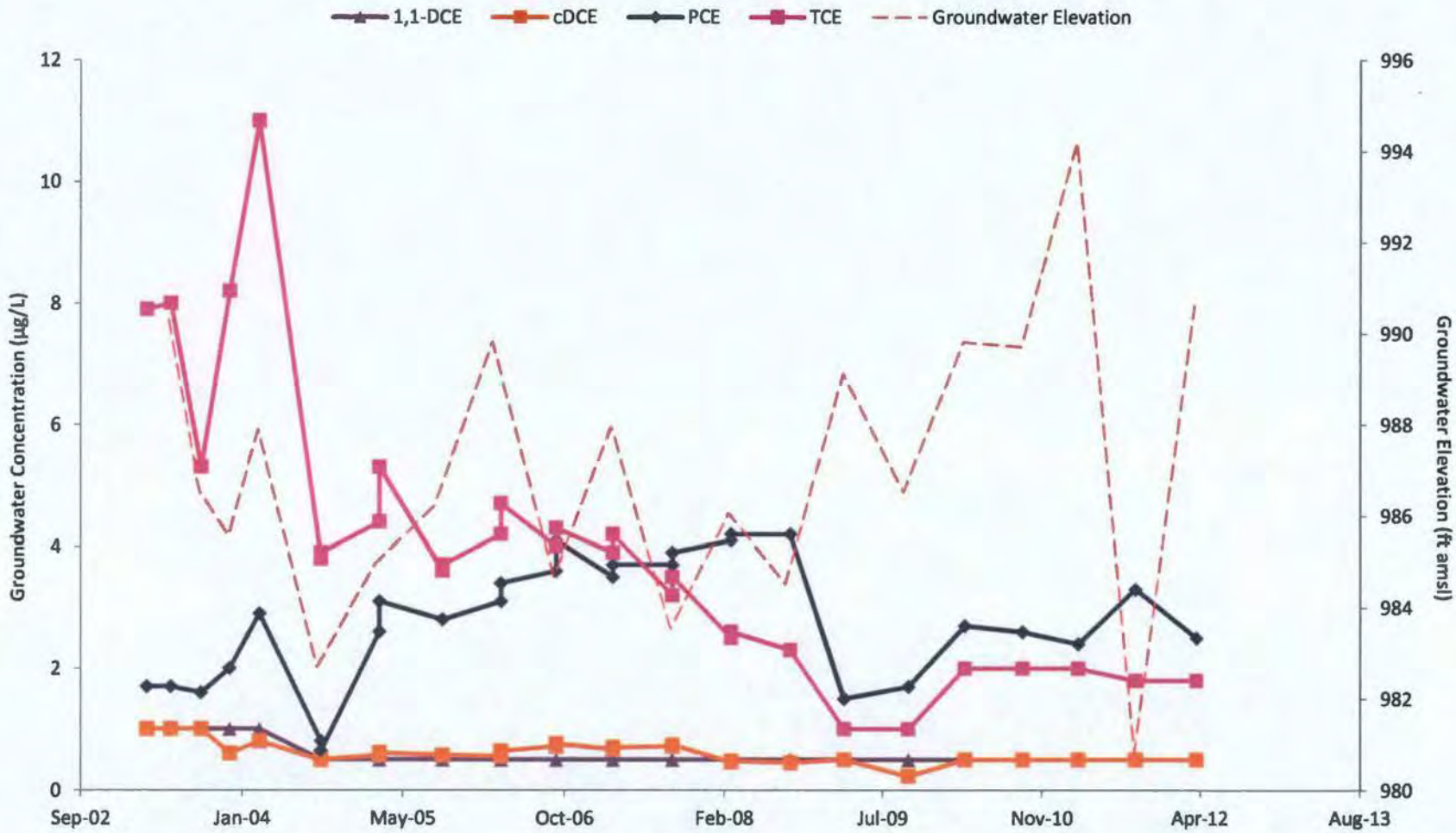
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-8D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



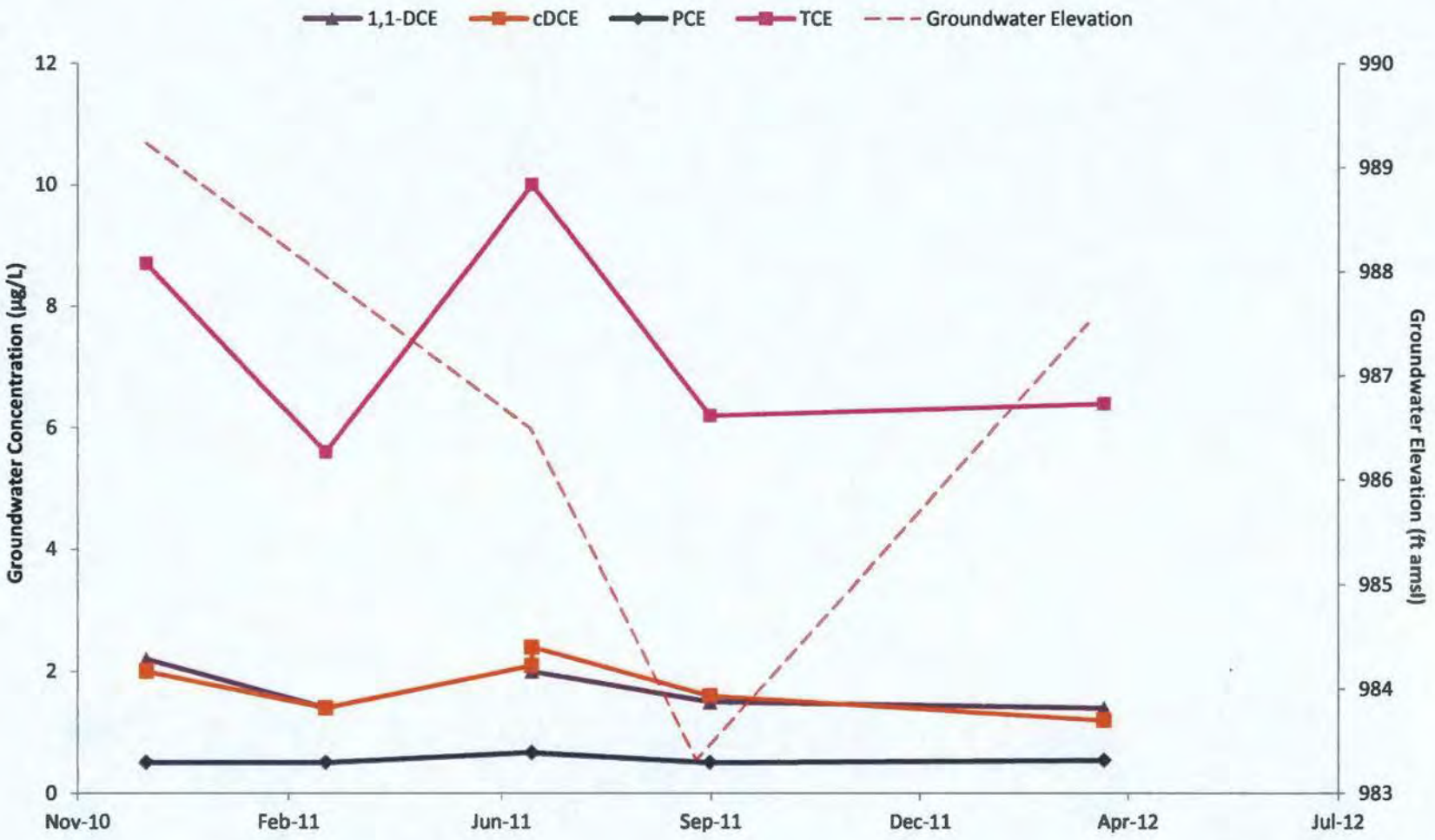
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-9S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



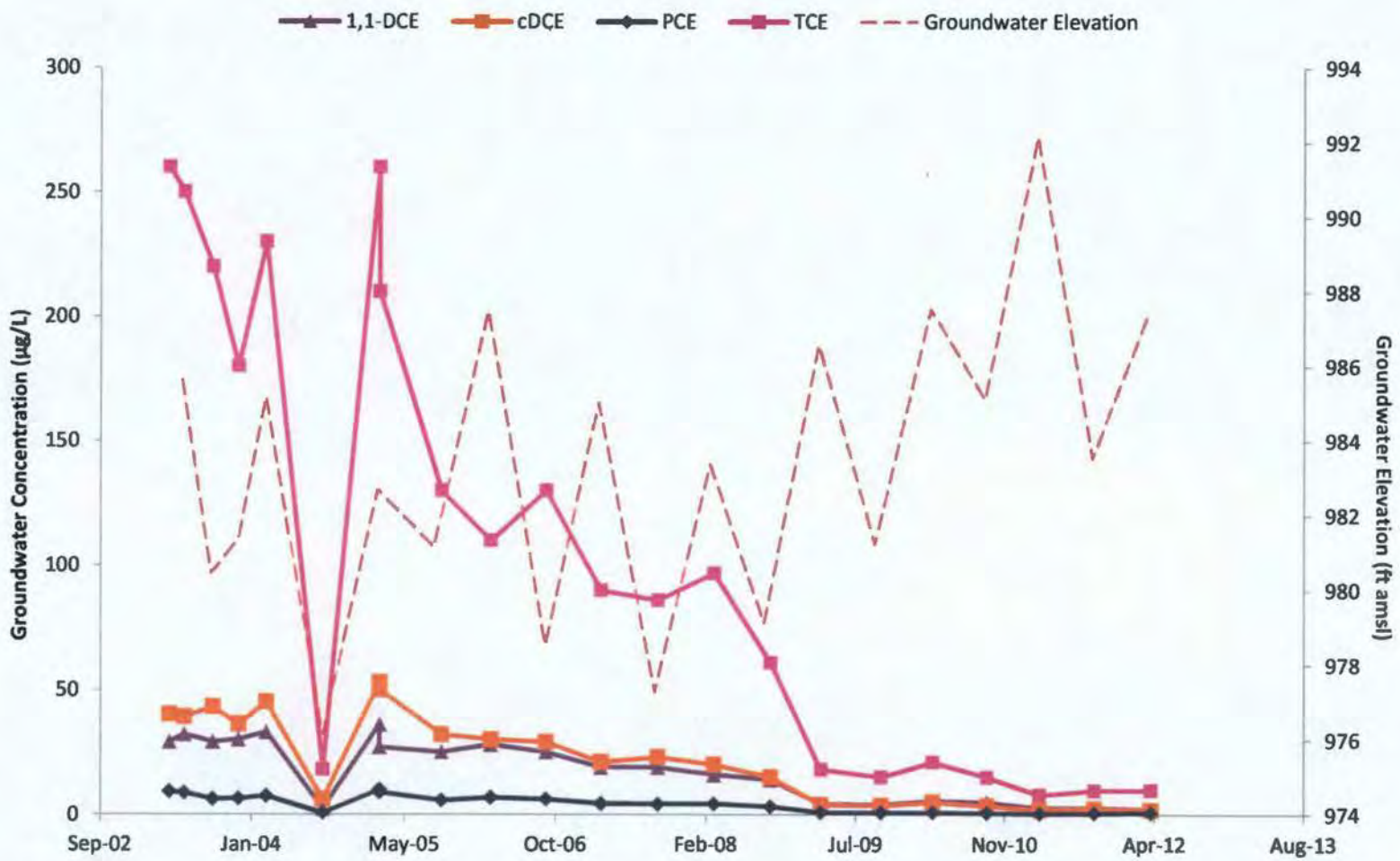
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-9M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



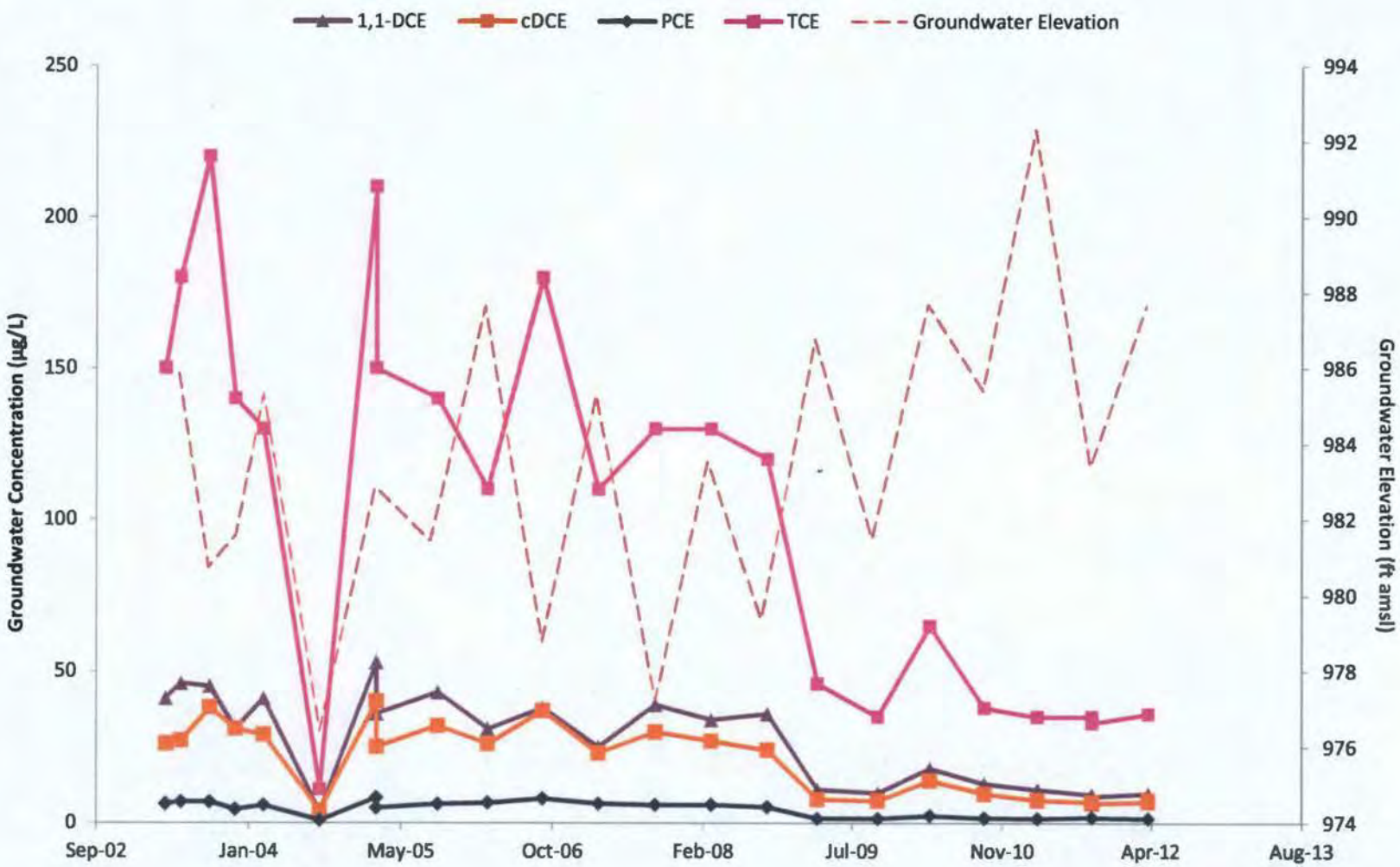
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-10S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



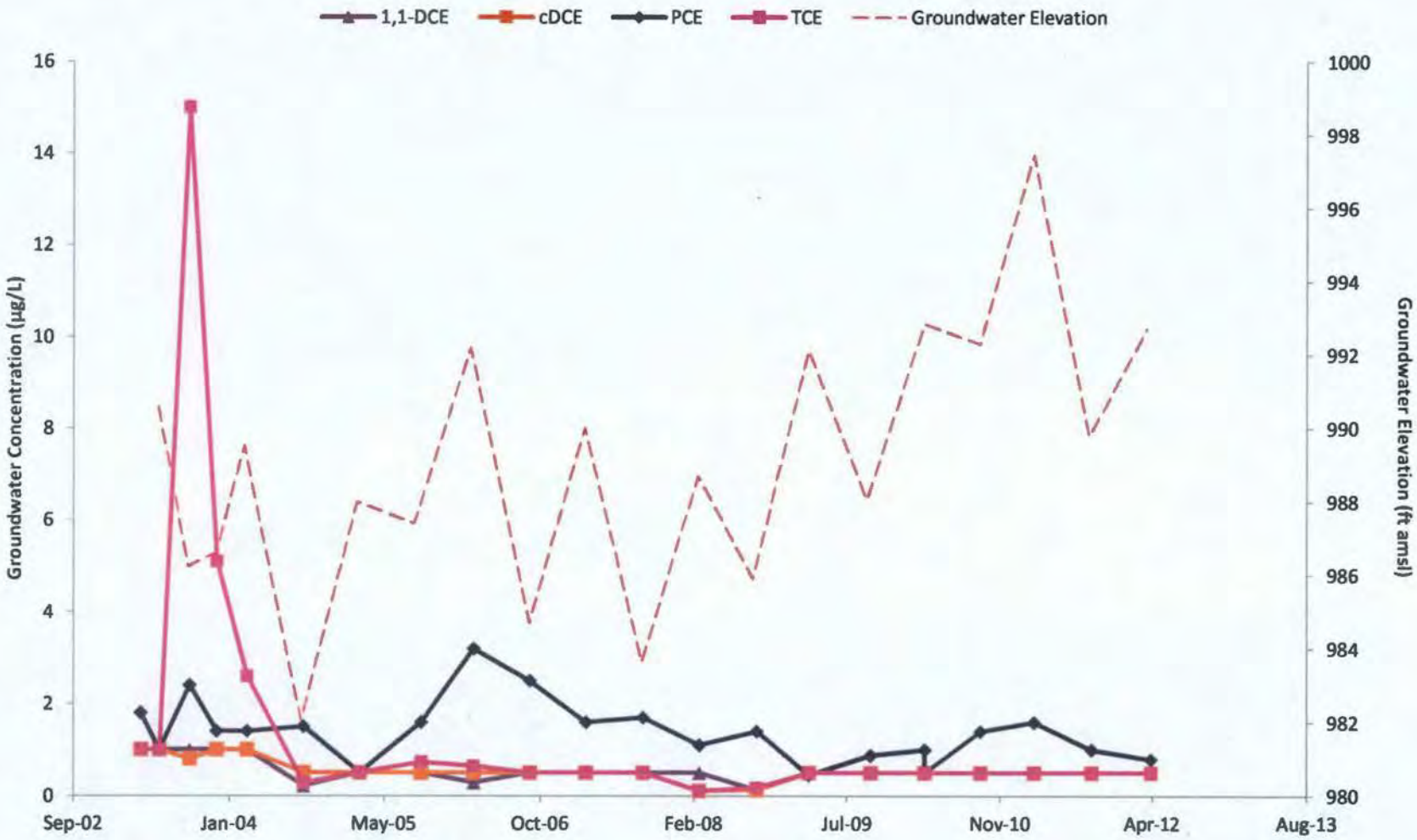
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-10M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



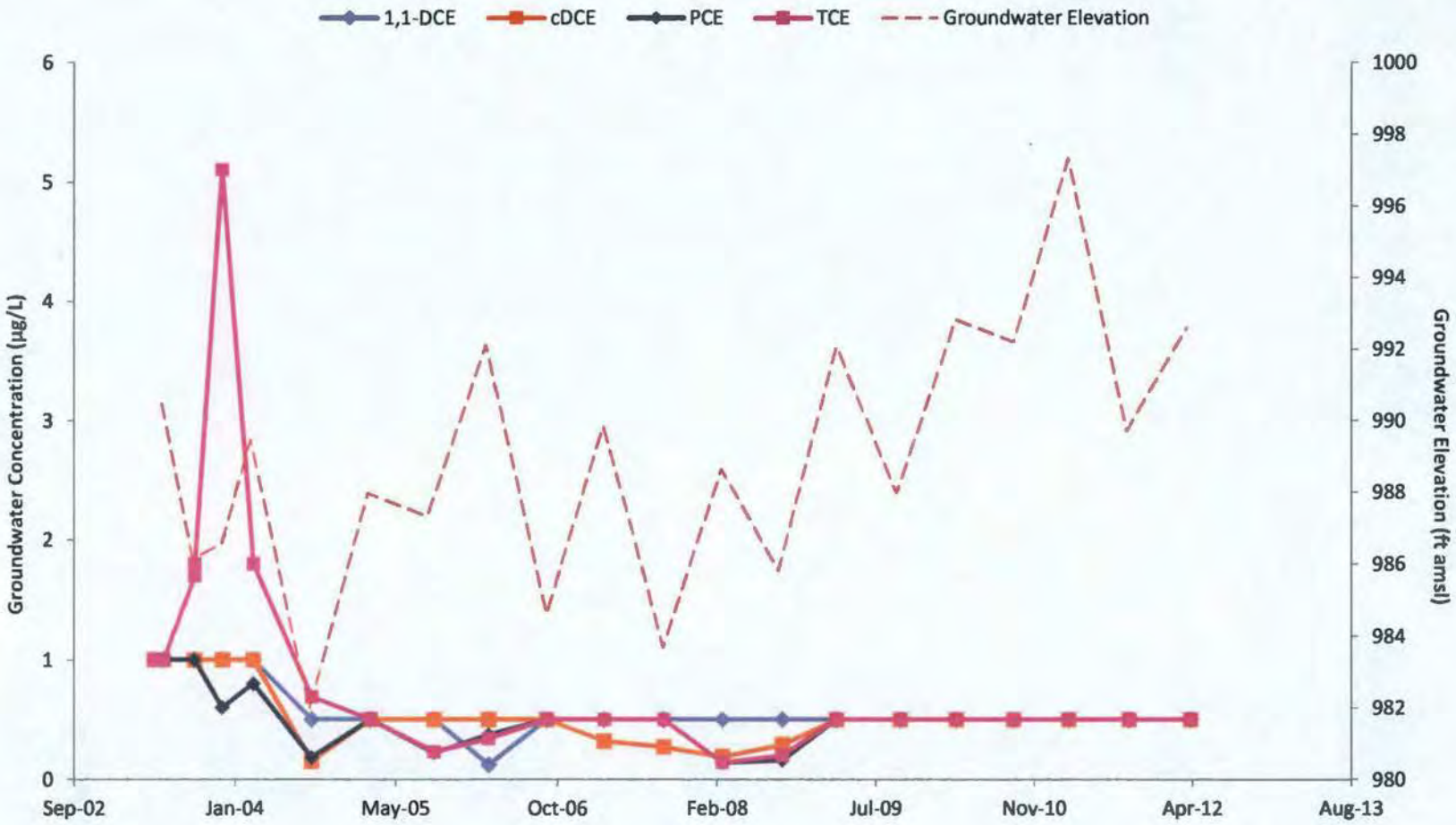
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-10M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



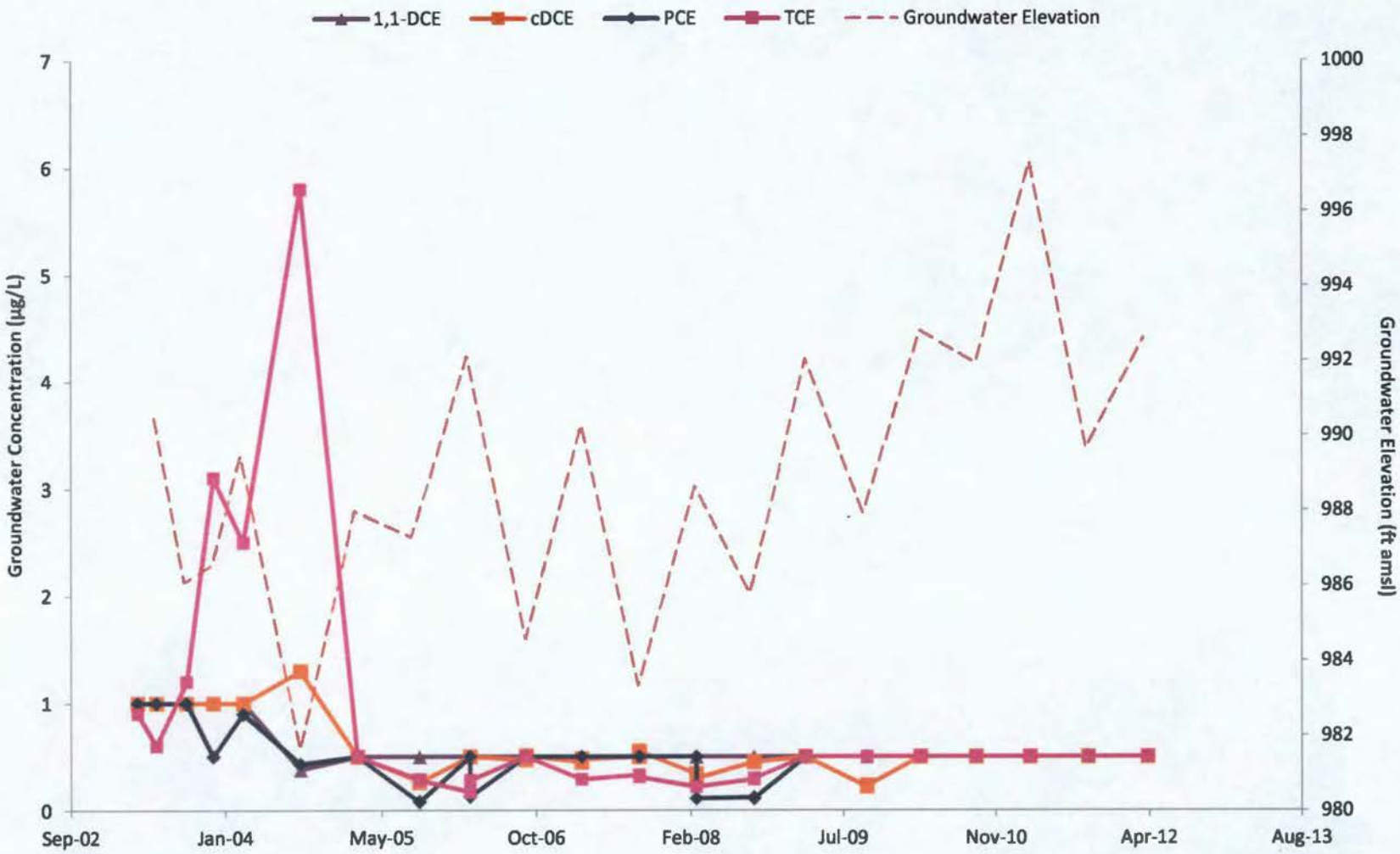
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-11S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



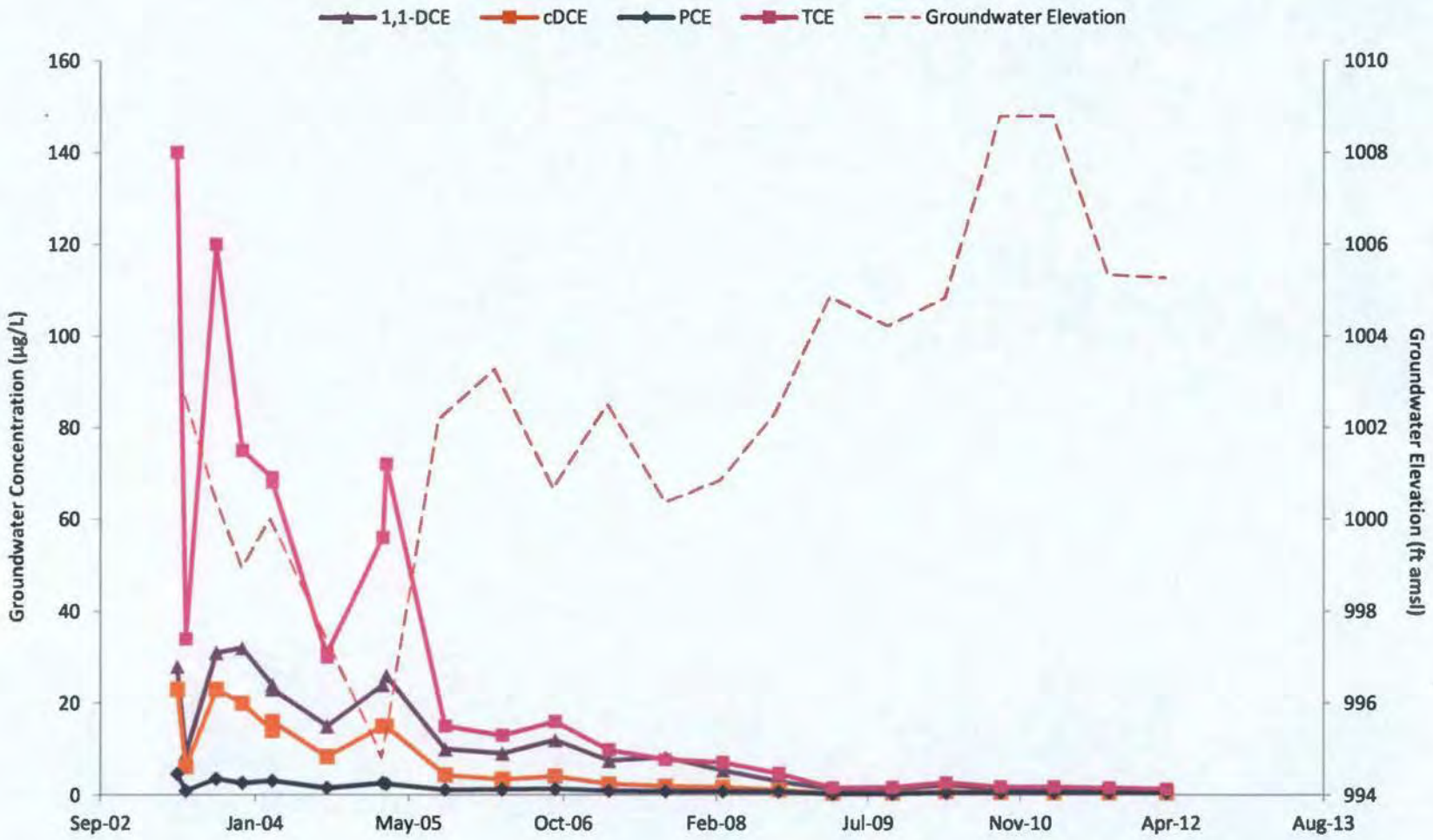
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-11M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



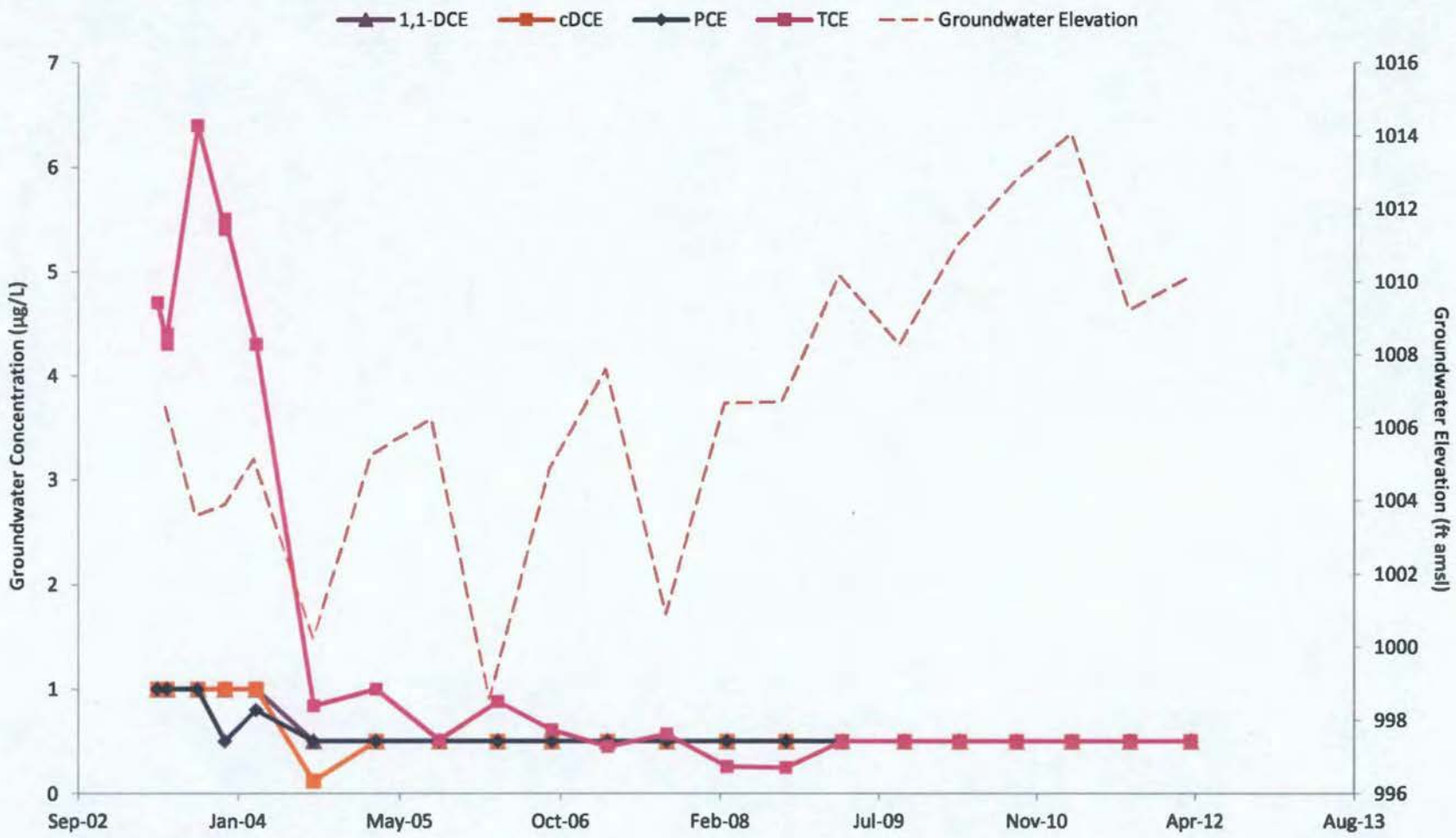
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-11M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



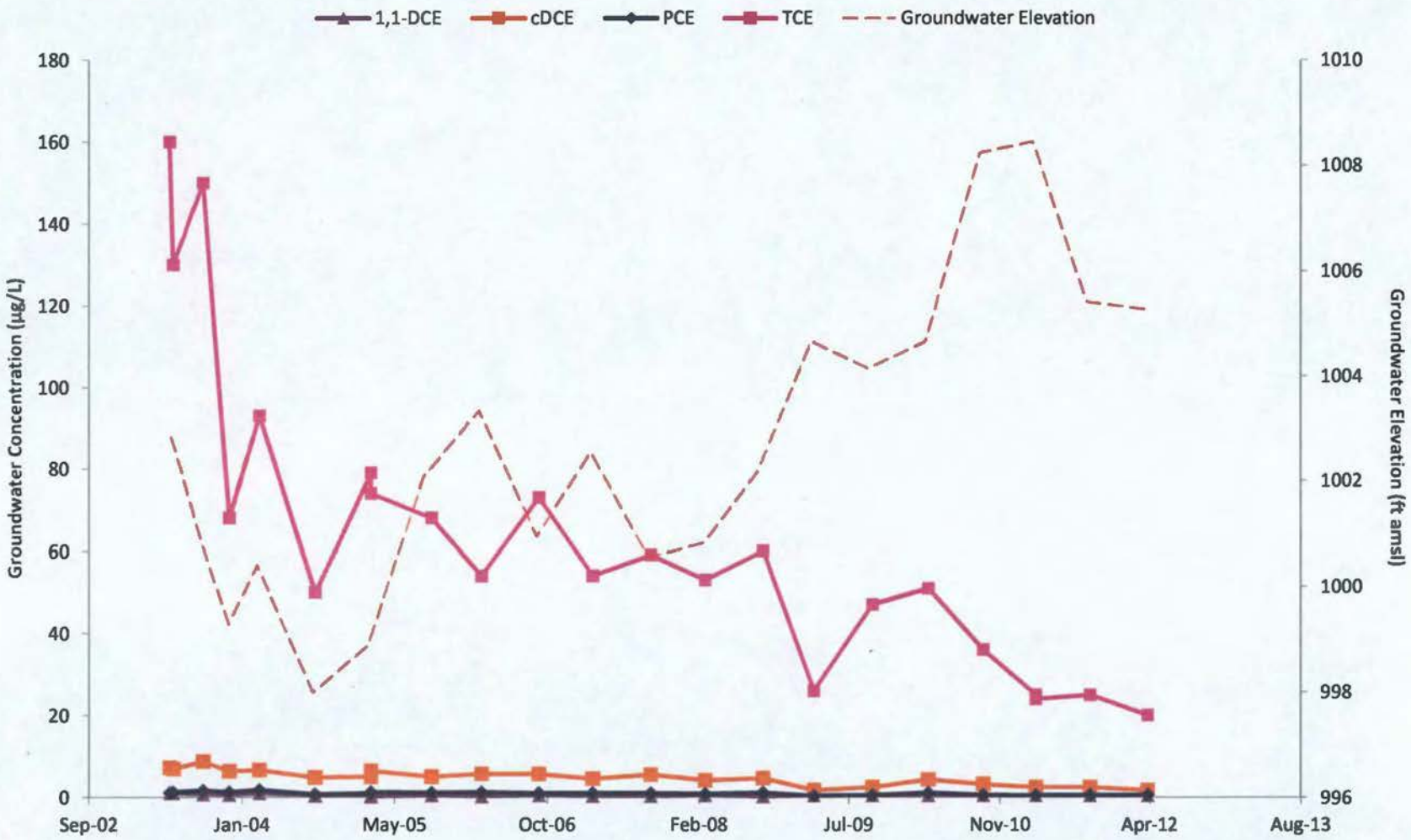
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-12M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



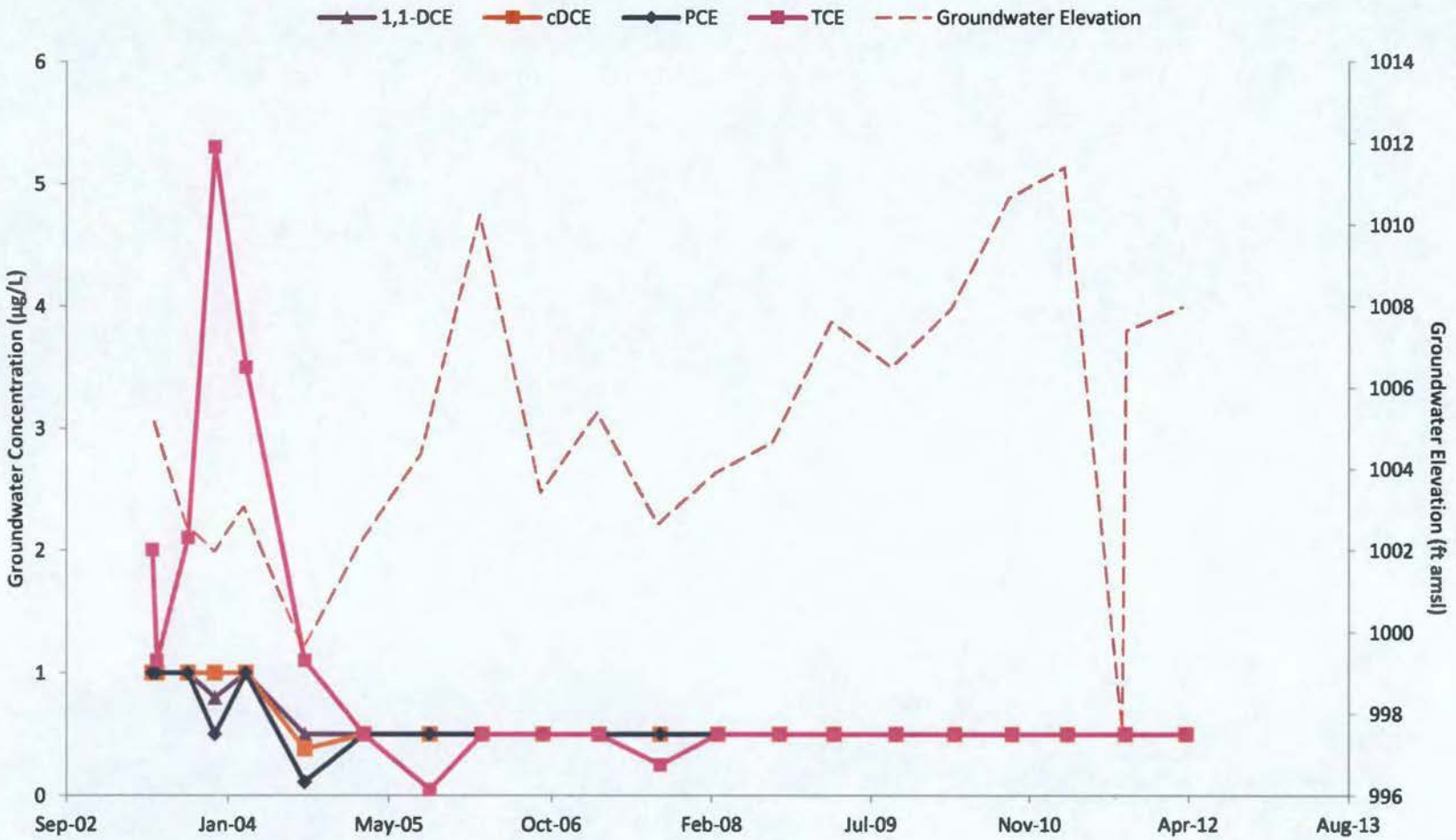
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-12D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



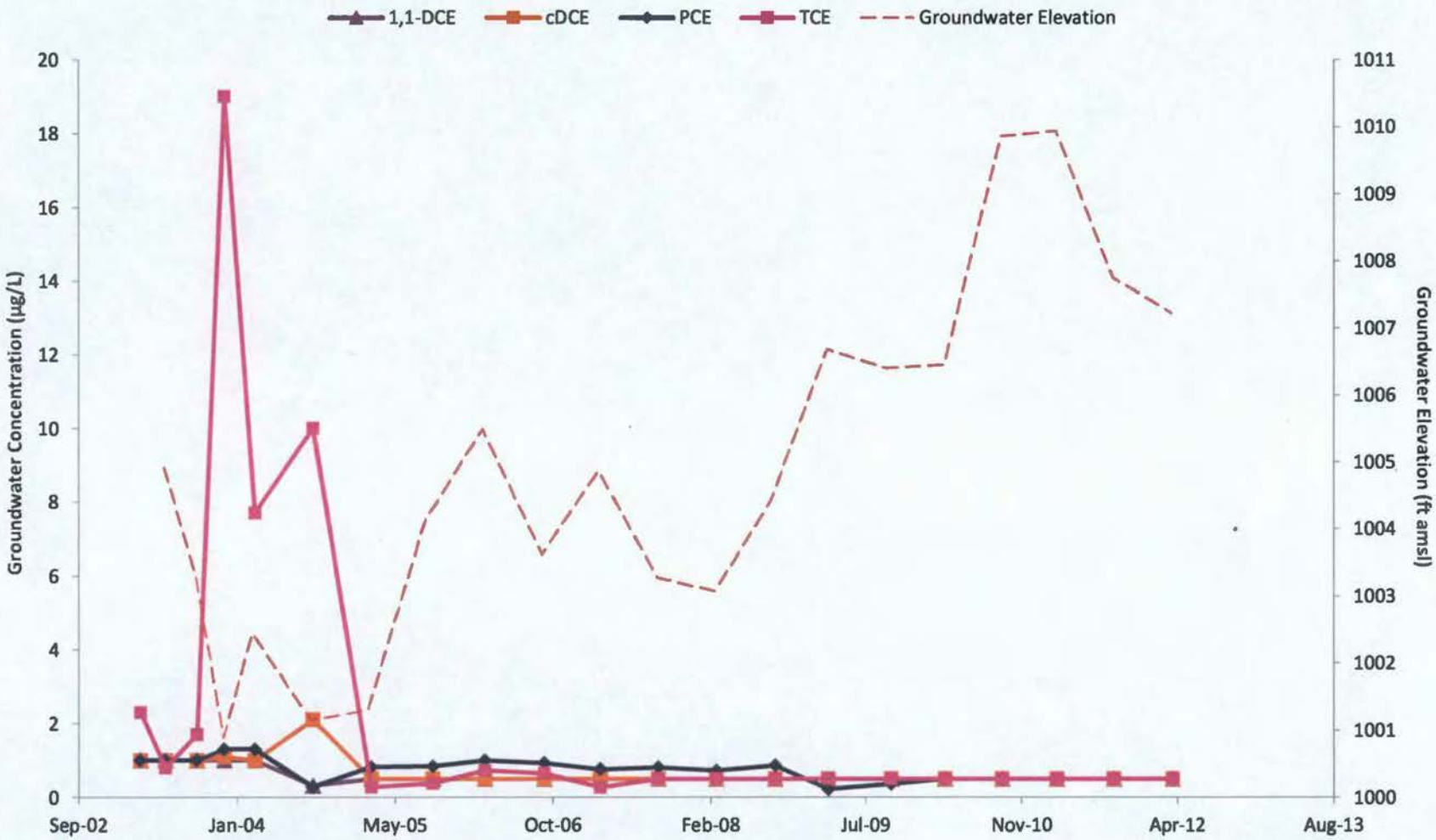
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-13M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



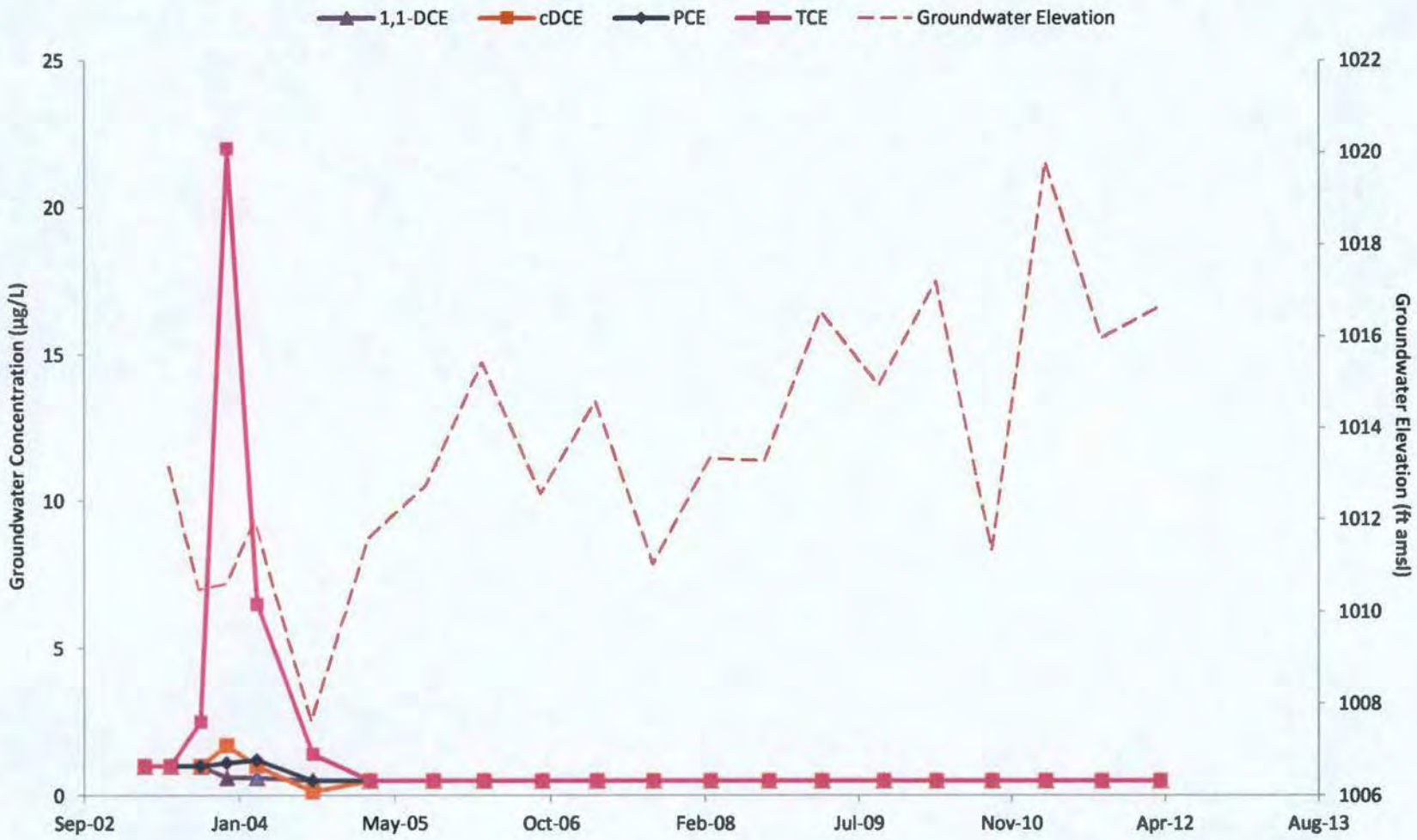
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-13D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



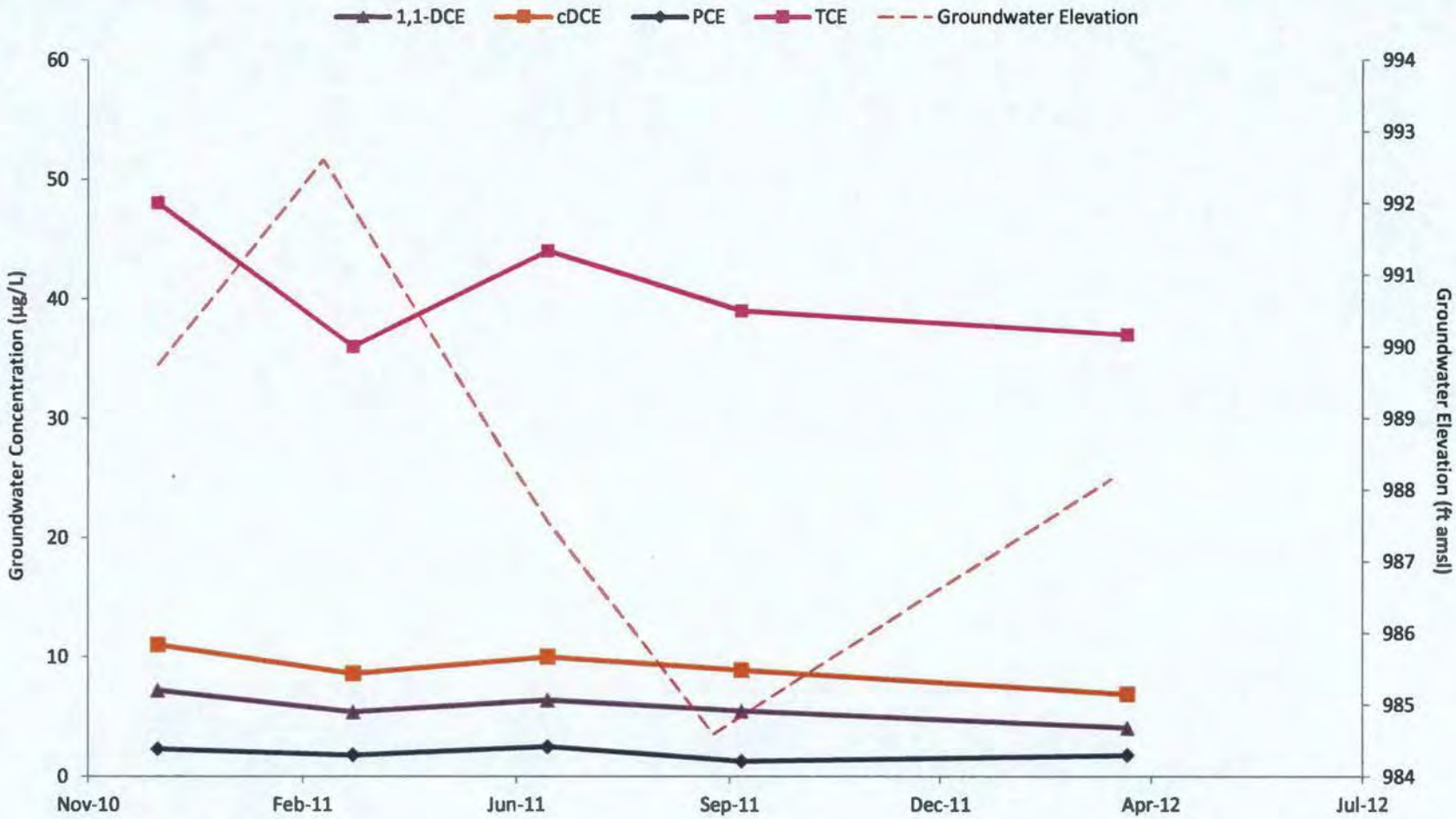
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-14M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



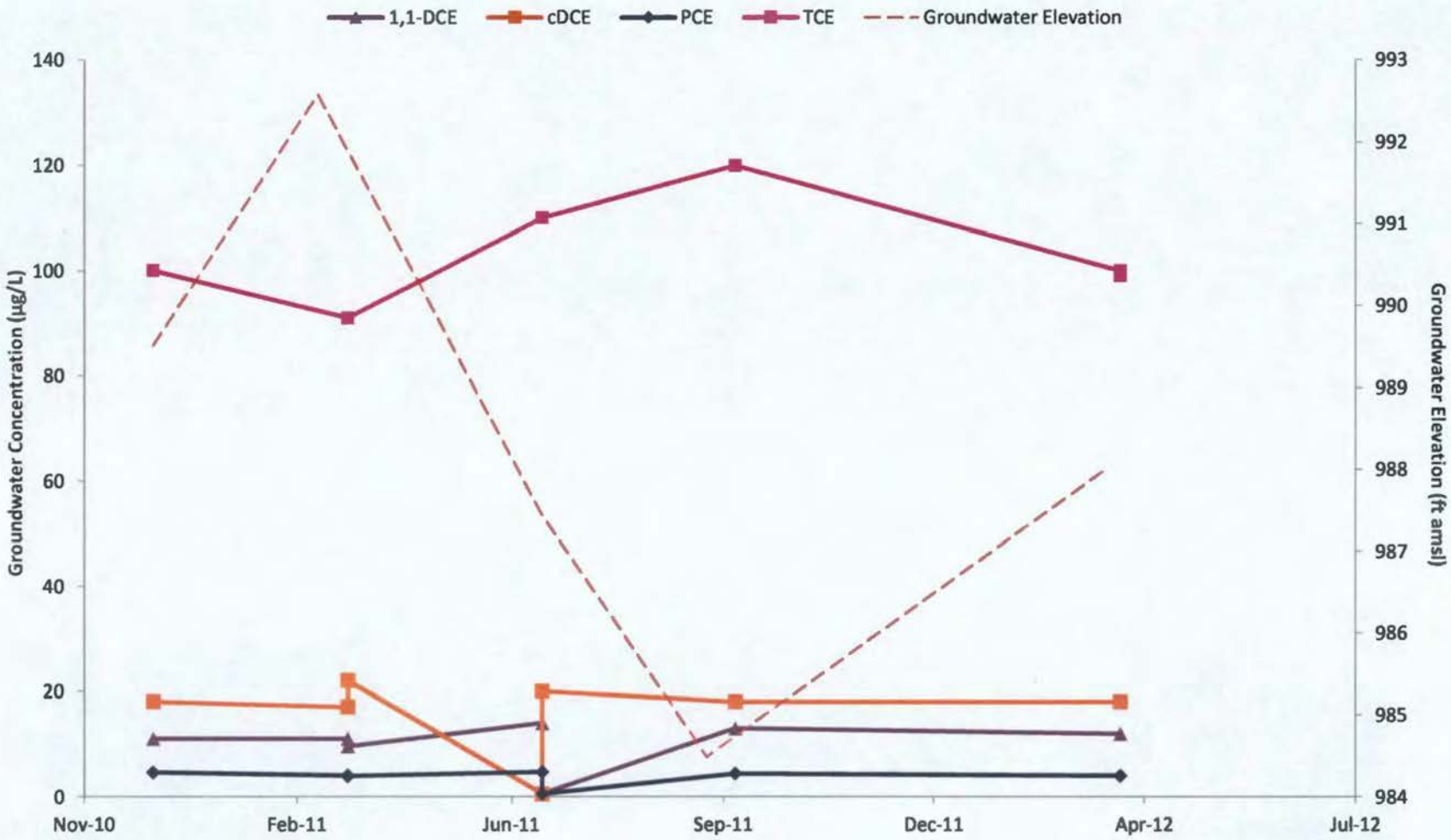
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-14D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



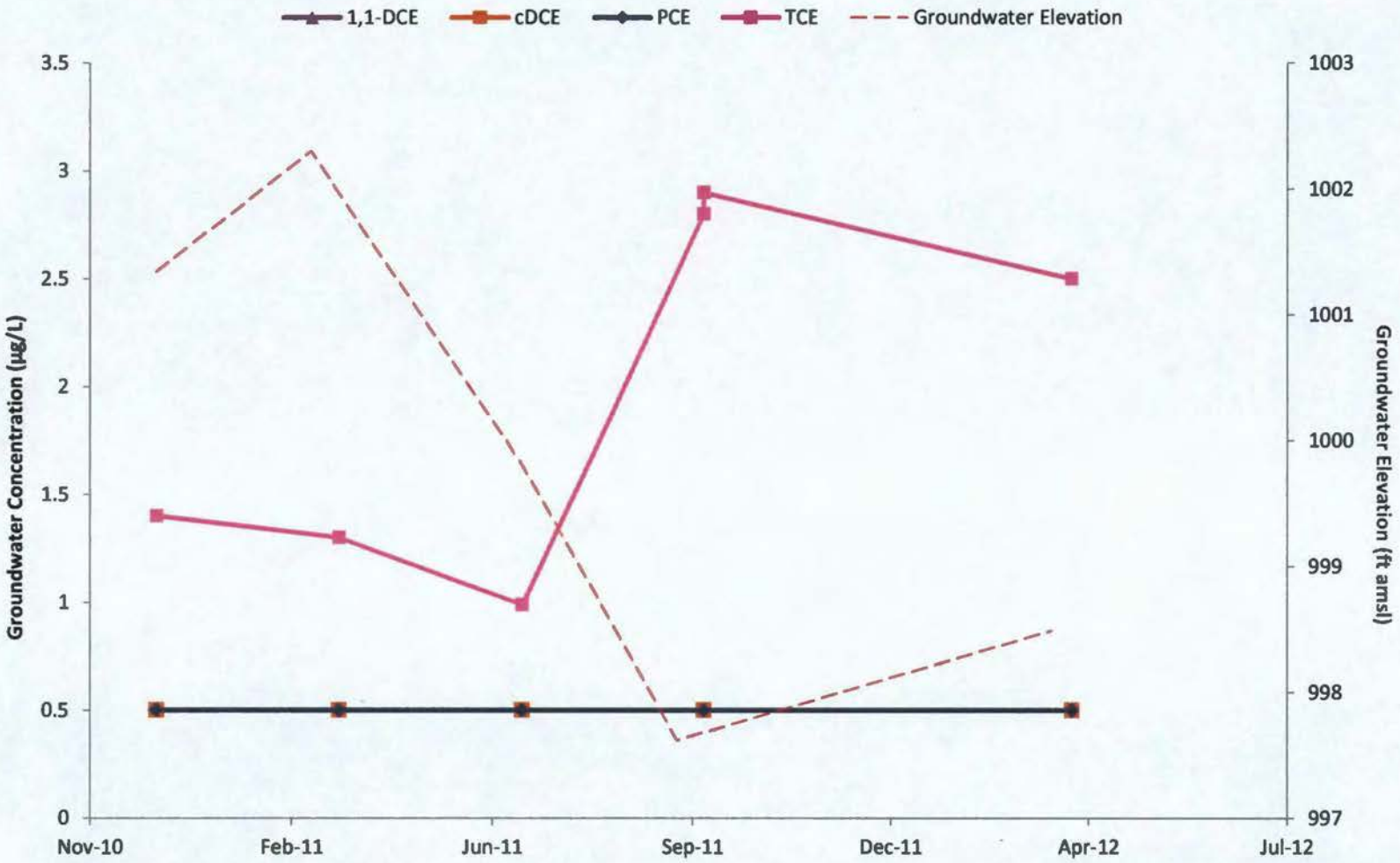
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-16S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



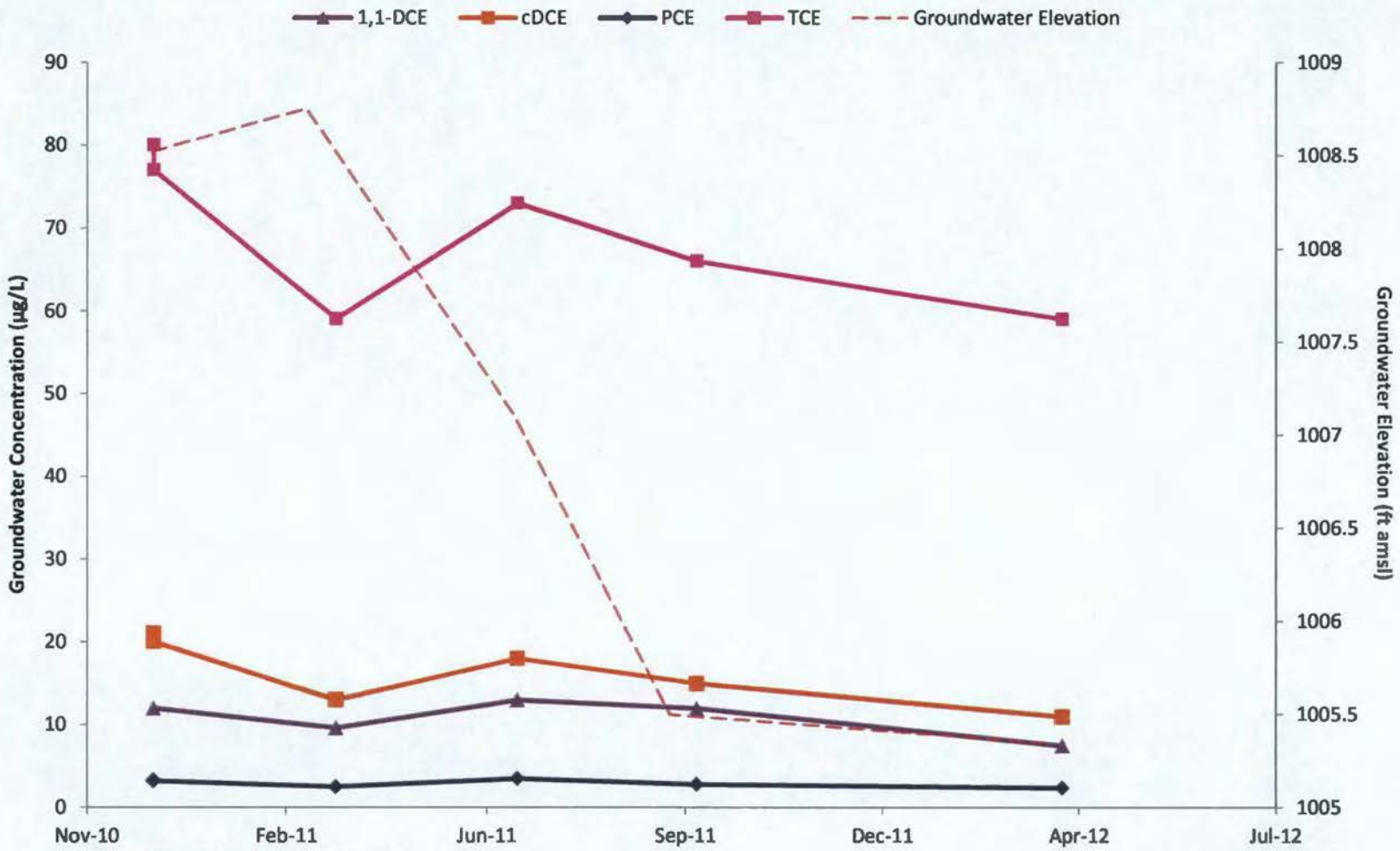
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-16M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



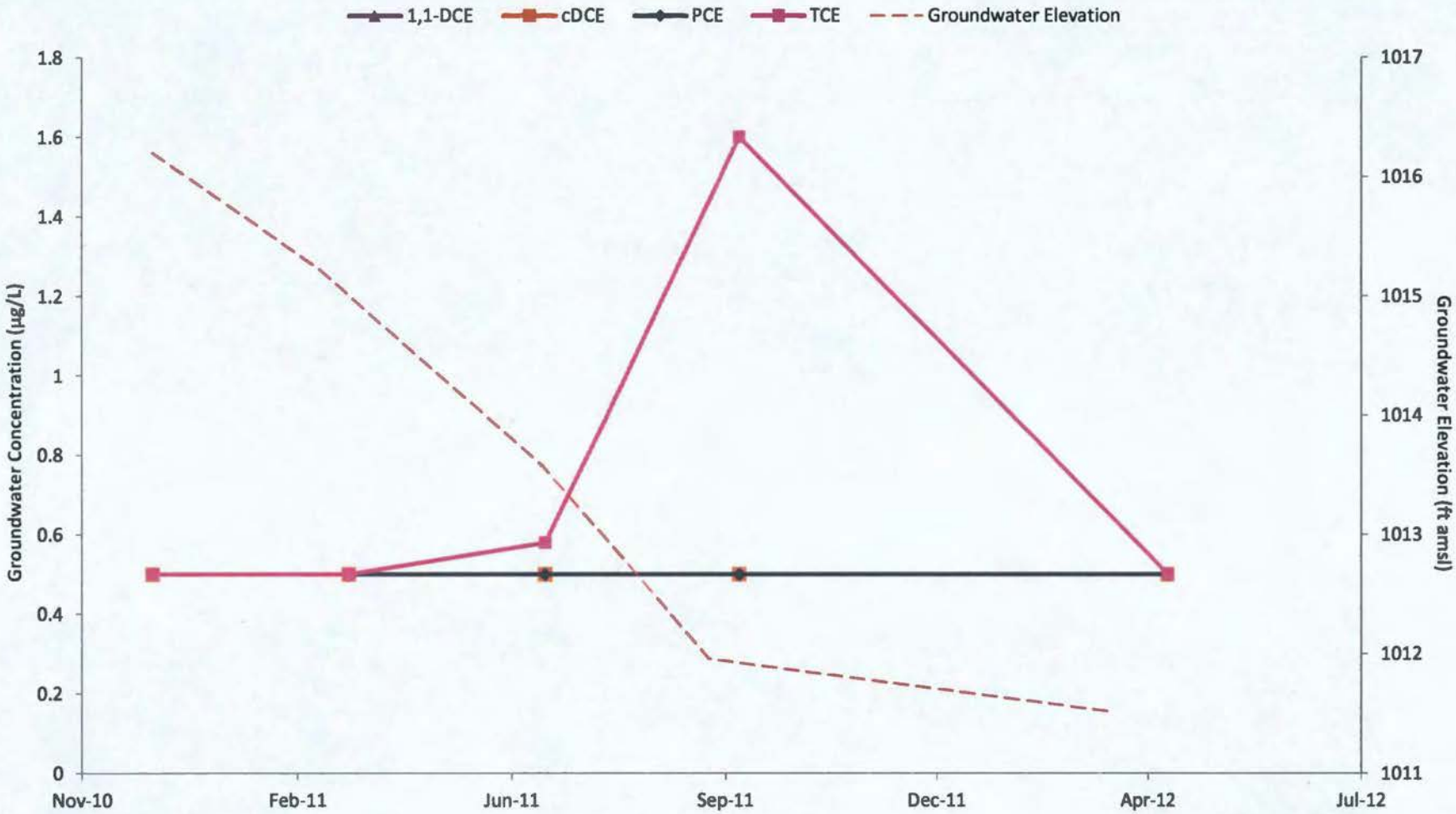
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-17S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



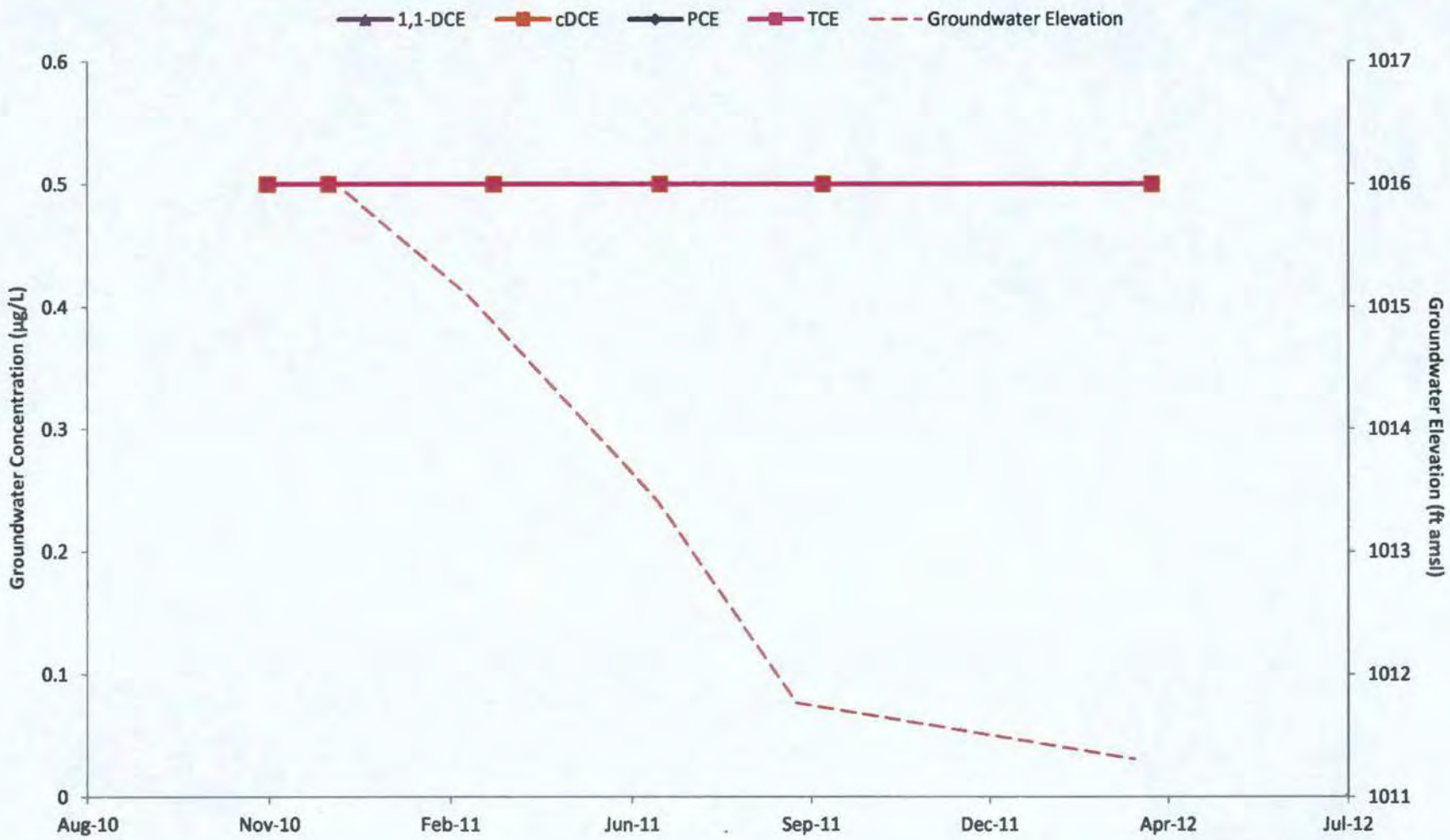
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-19M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



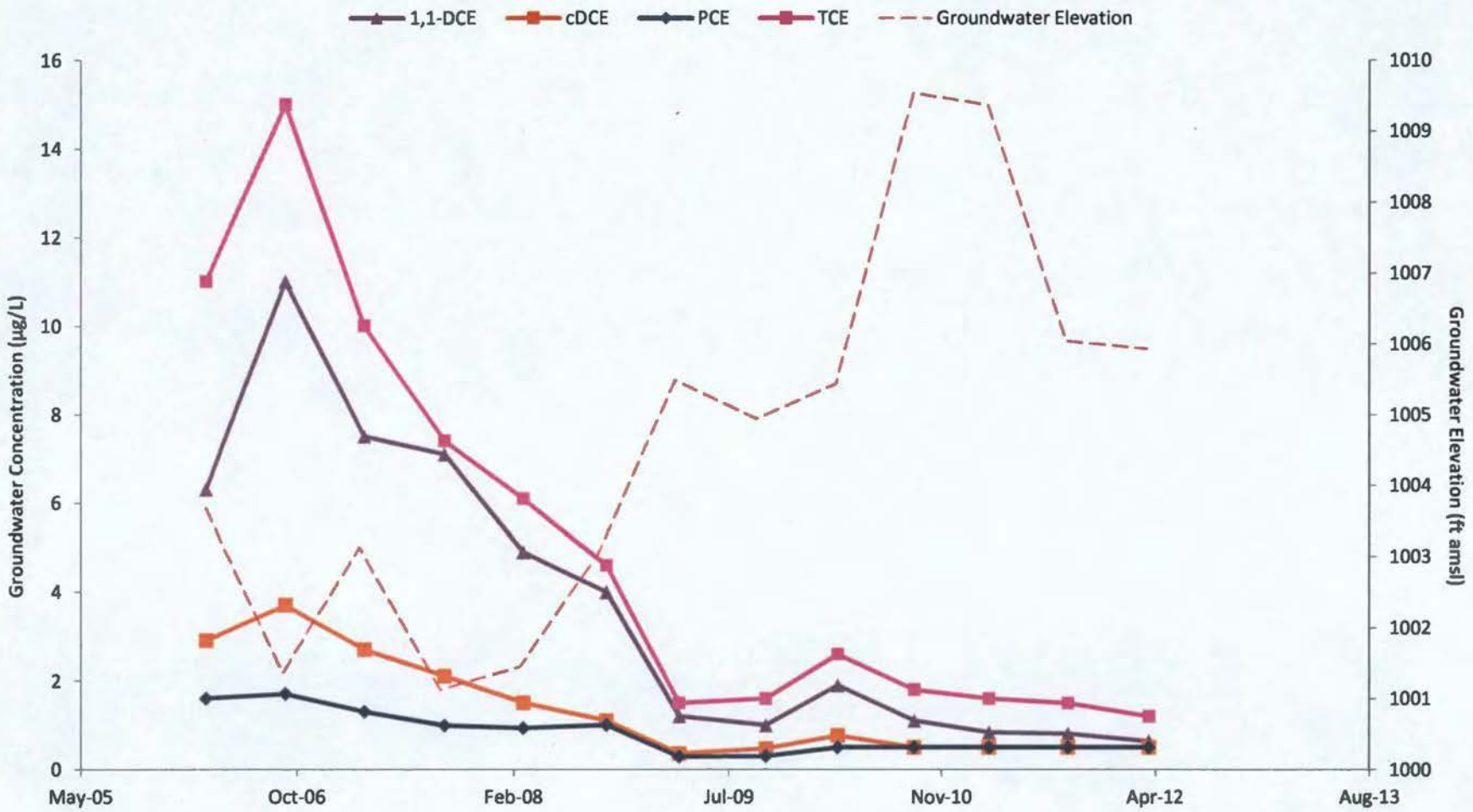
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-20S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
OU3-20M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
µg/L = micrograms per liter
ft amsl = feet above mean sea level

Appendix E
Historical Volatile Organic Compounds
SC-MW-1D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Appendix F
Data Validation Report

APPENDIX F

DATA VALIDATION REPORT

Analytical data is the basis for evaluating the environmental conditions present at the Motorola 52nd Street Superfund Site, Operable Unit 3, Semi-Annual Groundwater Sampling Event. It is essential that the data be accurate and reflective of actual conditions.

During the March 12, 2012 through April 10, 2012 groundwater sampling event, 52 original samples and 27 QA/QC samples were collected. All data underwent a Tier 1A review, and 10% of the data was reviewed at Tier 3 to ensure that data quality was acceptable for decision-making purposes. This process identified limitations for use of the data, and/or data that should not be used for decision-making purposes. The quality of data was assessed and any necessary qualifiers were applied following the *United States Environmental Protection Agency* (USEPA) *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (June 2008).

Laboratory Data Consultants, Inc. (LDC) validated/reviewed data for compliance with the following QA/QC project and/or method-prescribed criteria (described later in this section):

- Holding Time and Preservation: The period of time between collection of the sample, preparation/analysis, and acceptable temperature range of the sample. Analyses performed for this project have method-prescribed holding times and temperature ranges.

- Calibration: The analysis of target analytes at a range of concentrations to develop a graphical plot of instrument response against the different analyte concentrations. An initial calibration curve establishes the graphical plot, and the continuing calibration verification monitors daily instrument linearity against the initial calibration (Tier 3 review only).

- Blank Samples: The preparation and analysis of reagent (contaminant-free) water. Blank samples for this investigation included method blanks, trip blanks, field blanks, and equipment rinsates. Detections in a blank sample indicate laboratory and/or transportation or field contamination.

- Spike Samples: The preparation and analysis of an environmental sample or a sample of reagent water spiked with a subset of target compounds at known concentrations. The results of the spike analysis measure laboratory accuracy in the reagent sample, and results from the environmental sample spike measure potential interferences from the matrix.

- Internal Standards: The addition of compounds similar to target compounds of interest that are added to sample aliquots for organic analysis. The internal standards are used to quantitatively and qualitatively evaluate retention time and response for each sample (Tier 3 review only).

- Surrogate Spikes: The addition of compounds similar to target compounds of interest that are added to sample aliquots for organic analysis. Surrogate spikes measure possible interference from the sample matrix for the analysis of target compounds.

- Duplicate Samples: The preparation and analysis of an additional aliquot of the sample. The results from duplicate analysis measure potential heterogeneity of contaminants in the sample.

Standard qualifiers that may be applied during the review process are as follows:

J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample;

U: The analyte was not detected above the reported sample quantitation limit; and

UJ: The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximate and may or may not have represented the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R: The sample results were rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte could not be verified.

All of the data, including data qualified as having estimated values, are acceptable and can be used for decision-making purposes.

The following discussion addresses each of the QA/QC components listed above and the results for each of the components. EPA Tier 1A documentation was required for the samples in data packages PVC0817, PVC1259, PVC1354, PVC1432, PVC1520, PVC1604, PVC1707, PVC1784, PVC1873, PVC1910, and PVD0634. The data were reviewed for each of the components listed above, with the exception of calibration and internal standard response. EPA Tier 3 review was requested for all samples in data packages PVC1264, PVC1355, PVC1433, PVC1785, PVC1911, and PVC0821. Results were validated from the raw data provided by the laboratory. The validation included a review of the calibration results, internal standard response, and recalculation of a portion of the raw data, as well as the areas covered in the standard data review.

Holding Time and Preservation

The EPA has established the maximum holding time that can elapse between preparation and analysis of samples. The EPA has also defined the acceptable temperature range at which samples must be stored to maintain sample preservation. Holding times and sample temperatures extending beyond the EPA maximum can negatively affect sample integrity (e.g., loss of volatile compounds, biodegradation) and are qualified depending on the severity of the exceedance and compounds of concern.

Each of the sample analysis results was reviewed for compliance with the method-prescribed preparation and analysis holding times. None of the

samples were analyzed outside of the maximum allowable holding time. All samples collected were received at the laboratory in within the proper temperature range.

Calibration Results

Before an analytical instrument is used for sample analysis, the instrument must be calibrated to be within EPA method specifications. The purpose of this calibration is to ensure that the instrument is appropriately responsive to measurable chemical concentrations. If an instrument is not properly calibrated, it may not be capable of producing acceptable quantitative, qualitative, and reproducible data. For example, detected concentrations of a given compound that would still be considered valid could contain an undetermined degree of inaccuracy. In the case of nondetected results, the reporting limit would be similarly affected; such results would still be considered nondetected.

Two types of calibration data were reviewed. These were initial calibration (ICAL) and continuing calibration verification (CCV). A curve establishes a graphical plot of instrument response against the different analyte concentrations, and the CCV monitors daily instrument linearity against the initial calibration. The ICAL consisted of standards that were analyzed at five concentrations. These concentrations ranged from the reporting limit to the upper linear range of the instrument. The laboratory calculated the relative standard deviation for each of the target analytes included in the ICAL. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

A CCV and ICV are analyzed every 12 hours to ensure the instrument response is still within method-performance criteria for linearity. The CCV/ICV consisted of analyzing a standard at one concentration; the concentration of this standard was generally in the mid-range of the ICAL standard concentrations. The laboratory calculated the percent difference (%D) between CCV/ICV and the ICAL. The laboratory calculated the

CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. Results quantitated using an unacceptable %D or RRF value may be considered semiquantitative and may be subject to some amount of error.

In data packages PVC1264, PVC1433, PVC1785, and PVC1911 for method 8260B, the ICV and CCV %Ds for several compounds were outside the QC limits. The associated data were qualified as estimated J/UJ on the basis of calibration outliers.

In data package PVC1355 for method 8260B, the ICV %Ds for several compounds were outside the QC limits. The associated data were qualified as estimated J/UJ on the basis of calibration outliers.

These outliers are listed in Table F-1.

Blank Samples

The purpose of a blank sample is to determine the presence and magnitude of contamination resulting from laboratory, shipping, or other sample-handling activities. Blank samples are analyzed and evaluated for detections of target compounds. If target compounds are detected in a blank sample that was initially intended to be contaminant-free, these detections indicate some element of the sample collection, transportation, or analysis activities has introduced contaminants not present in the original environmental sample aliquot. If target compounds are detected in a blank sample, then all associated data must be carefully evaluated to determine whether those results have been similarly impacted or the blank problem is an isolated occurrence not representative of other data.

The four types of blank samples routinely analyzed and reported with the groundwater samples were method blank, trip blank, field blank, and equipment blank samples. Preparation, handling, and analysis of these blank samples are summarized below.

1. The laboratory prepared method blank samples by taking an aliquot of reagent water through all of the preparation and analysis steps that the samples go through. A method blank was prepared and analyzed with

each batch of environmental samples. Method blank samples monitor for potential contamination of samples from the laboratory.

2. Trip blank samples are typically analyzed with every shipment of samples for volatile organic compounds only. Field and method blank samples may occasionally be contaminated during preparation and/or analysis from ambient conditions at the laboratory. The majority of the method blank and trip blank results were nondetected, indicating laboratory and handling conditions were acceptable.

3. Field blank samples were prepared at sample collection locations by slowly pouring tap water into clean sample containers supplied by the laboratory. Field blank samples collected were labeled with an "R" identifier in the sample identification number. Field blank samples monitor for potential contamination of project samples from ambient conditions at the sample collection site.

4. Equipment blank samples were prepared at sample collection locations from the pump exterior of the sampling equipment. The identifier "EB" was used in the equipment blank sample identification number. Equipment blank samples monitor for potential cross contamination of project samples from sampling equipment.

In data package PVC0817 for method 8260B, the equipment blank sample had three volatile contaminants detected and the field blank sample had one volatile contaminant detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data packages PVC1259, PVC1264, PVC1354, PVC1355, PVC1432, PVC1433, PVC1520, PVC1604, PVC1707, PVC1784, PVC1785, PVC1873, PVC1910, PVC1911, and PVD0634 for method 8260B, the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PVC0821 for method 8260B, the equipment blank sample and field blank sample each had three volatile contaminants detected. The associated samples were all nondetected and no data were qualified.

For method 8260B and 8270C the method blanks were reported as non-detected.

These detections and qualifications are listed in Table F-2.

Spike Samples

A spike sample is a QC sample that is prepared and analyzed by the laboratory. The laboratory prepares, analyzes, and reports spike sample results to demonstrate their ability to properly analyze, detect, and quantify target compounds. A spike sample result is typically reported as the amount of compound detected divided by the amount spiked into the sample and is commonly referred to as percent recovery. The percent recovery is then compared to an established limit range. The two types of spike samples analyzed with the project samples were matrix spikes and blank spikes.

1. Matrix spike (MS) samples consist of an aliquot of an environmental sample that is spiked with known concentrations of a subset of target compounds. A matrix spike duplicate (MSD) sample is a second sample prepared and analyzed with the MS sample. MS samples are used to monitor potential interference from the sample matrix for target compounds. A low MS recovery may indicate low-biased sample results; a high MS recovery may indicate high-biased sample results.

2. Blank spike samples, which are commonly referred to as laboratory control samples (LCS), are an aliquot of reagent water that is spiked with known concentrations of a subset of target compounds. The LCS is used to monitor laboratory accuracy without the bias of a sample matrix. A laboratory control sample duplicate (LCSD) is a second LCS that is prepared with the first LCS. LCS and LCSD recoveries outside of acceptable limits may indicate poor laboratory accuracy. LCSD relative percent differences (RPD) outside of acceptable limits may indicate poor precision.

In data package PVC1784 for method 8260B, two MS/MSD recoveries were not within acceptable limits. The associated samples required qualification.

In data package PVC1873 for method 8260B, three MS/MSD recoveries were not within acceptable limits. The associated samples required qualification.

In data packages PVC0817, PVC1264, PVC1432, PVC1433, and PVC0821 for method 8260B, two LCS/LCSD recoveries were not within acceptable limits. The associated samples required qualification.

In data package PVC1520 for method 8260B, three LCS/LCSD recoveries were not within acceptable limits. The associated samples required qualification.

In data package PVC1604 for method 8260B, one and two LCS/LCSD recoveries were not within acceptable limits. The associated samples required qualification.

In data packages PVC1707, PVC1784, and PVC1785 for method 8260B, one LCS/LCSD recovery was not within acceptable limits. The associated samples required qualification.

In data packages PVC1873, PVC1910, and PVC1911 for method 8260B, five LCS/LCSD recoveries were not within acceptable limits. The associated samples required qualification.

For method 8270C all of the MS/MSD and LCS/LCSD recoveries and RPDs were within acceptable limits.

The MS/MSD outlier results are listed in Table F-3.

The LCS/LCSD outlier results are listed in Table F-4.

Internal Standard Responses

Under EPA methods, a given analyte list for organic compounds is segregated by chemical properties and retention time into subsets. An EPA-defined internal standard with comparable chemical properties and retention times is assigned to each subset of analytes. A known concentration of an internal standard is added to each sample including laboratory QC samples (e.g., calibration standards, MS, method blank samples) prior to analysis and the instrument internal standard response

for each sample is compared to the internal standard response in the daily CCV.

The sample internal standard area count must be within the range of 0.5 to 2 times the CCV area count, and the retention time must be within ±30 seconds of the CCV retention time. If the area count and/or retention times measured for the sample is outside these acceptance ranges, quantitation results for the associated analyte subset may be biased. Interferences from the sample matrix are typically responsible for internal standard responses that are consistently outside acceptable ranges. Most matrix interferences cause a high or low bias.

Internal standards were added to each of the samples analyzed for volatile compound analysis. None of the data was qualified due to measured retention times. The internal standard responses were within acceptable limits, indicating minimal matrix interferences and acceptable sample quantitation.

Surrogate Spikes

A surrogate spike is similar to an internal standard; it is chemically similar to the target compounds and it is only used in organic analyses. A surrogate spike is used to assess interference from the sample matrix during the analysis. An internal standard is used to quantitate target compounds while accounting for any possible interference from the sample matrix. Surrogate spike results are typically reported in terms of percent recovery, based on the concentration of surrogate detected divided by the known amount of surrogate added to the sample aliquot.

Surrogate recoveries were compared to the limits of acceptance. All surrogate recoveries were within acceptable limits for all samples for methods 8260B and 8270C.

Field Duplicate Samples

A duplicate sample is a second aliquot of a sample that is collected, prepared, and analyzed in the same manner as the original sample. A field duplicate sample is collected to measure the precision of the method and to assess matrix heterogeneity. The USEPA has not established control

criteria for field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision.

Four groundwater sample was collected in duplicate and submitted for analysis. LDC calculated the relative percent difference (RPD) or actual difference between detected values in the groundwater sample duplicate pairs. The USEPA has not established control criteria based on field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision. The RPDs and actual difference indicate matrix homogeneity in the samples collected for the groundwater sampling event.

The calculated RPDs and actual difference are presented in Table F-5.

Analytical Duplicate Samples

An analytical duplicate sample is a second aliquot of a sample that is prepared and analyzed in the laboratory in the same manner as the original sample. Analytical duplicate samples are analyzed to measure the precision of the method and to assess matrix heterogeneity.

No analytical duplicates were analyzed for methods 8260B and 8270C.

Overall Assessment

All data can be used for decision-making purposes; however, the limitations indicated by the applied qualifier should be considered when using the data.

No data were found to be rejected (R). Sample results that were found to be estimated (J) are usable for limited purposes only. All other results are considered valid and usable for all purposes.

The quality of the data generated during the March 12, 2012 through April 10, 2012 investigation at the Motorola 52nd Street Superfund Site, Operable Unit 3, Semi-Annual Groundwater Sampling Event is acceptable for the preparation of technically defensible documents.

Table F-1
Calibrations Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Calibration Date	Associated Sample	Method	Analyte	%D	Analysis Criteria	Validation Criteria	RRF	RRF Criteria	LDC Qualifier
PVC1264	3/21/2012	OU3-14M-M-031512**	8260B	Isopropylbenzene	27.86	≤20.0	≤25.0	NA	NA	J/UJ
	ICV			Naphthalene	26.86	≤20.0	≤25.0	NA	NA	J/UJ
PVC1264	3/26/2012	OU3-14M-M-031512**	8260B	Trichlorofluoromethane	30	≤20.0	≤25.0	1.200	0.050	J/UJ
	CCV			Acetone	87	≤20.0	≤25.0	NA	NA	J/UJ
				2-Butanone	39	≤20.0	≤25.0	0.060	0.010	J/UJ
				Carbon tetrachloride	28	≤20.0	≤25.0	0.583	0.050	J/UJ
				2-Hexanone	42	≤20.0	≤25.0	0.258	0.010	J/UJ
				1,2-Dibromo-3-chloropropane	37	≤20.0	≤25.0	0.105	0.010	J/UJ
PVC1355	3/19/2012	OU3-12M-M-031612**	8260B	Isopropylbenzene	31	≤20.0	≤25.0	NA	NA	J/UJ
	ICV			1,2-Dibromo-3-chloropropane	26	≤20.0	≤25.0	NA	NA	J/UJ
				1,2,4-Trichlorobenzene	26	≤20.0	≤25.0	NA	NA	J/UJ
				Naphthalene	39	≤20.0	≤25.0	NA	NA	J/UJ
				Hexachlorobutadiene	39	≤20.0	≤25.0	NA	NA	J/UJ
				1,2,3-Trichlorobenzene	26	≤20.0	≤25.0	NA	NA	J/UJ
PVC1433	3/21/2012	OU3-8M2-M-031912**	8260B	Isopropylbenzene	30	≤20.0	≤25.0	NA	NA	J/UJ
	ICV	OU3-9M2-M-031912**		n-Propylbenzene	26	≤20.0	≤25.0	NA	NA	J/UJ
PVC1433	3/27/2012	OU3-8M2-M-031912**	8260B	Acetone	36	≤20.0	≤25.0	NA	NA	J/UJ
	CCV	OU3-9M2-M-031912**								
PVC1785	3/21/2012	OU3-19M-M-032312**	8260B	Isopropylbenzene	27.86	≤20.0	≤25.0	NA	NA	J/UJ
	ICV			Naphthalene	26.86	≤20.0	≤25.0	NA	NA	J/UJ

Table F-1
Calibrations Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Calibration Date	Associated Sample	Method	Analyte	%D	Analysis Criteria	Validation Criteria	RRF	RRF Criteria	LDC Qualifier
PVC1785	4/4/2012	OU3-19M-M-032312**	8260B	Dichlorodifluoromethane	31	≤20.0	≤25.0	1.392	0.010	J/UJ
	CCV			Trichlorofluoromethane	37	≤20.0	≤25.0	1.265	0.010	J/UJ
				2-Butanone	29	≤20.0	≤25.0	0.031	0.010	J/UJ
				2,2-Dichlororpropane	26	≤20.0	≤25.0	0.979	0.050	J/UJ
				1,2,3-Trichlorobenzene	27	≤20.0	≤25.0	1.054	0.050	J/UJ
				Carbon tetrachloride	46	≤20.0	≤25.0	0.667	0.010	J/UJ
PVC1911	3/21/2012	OU3-1M-M-032712**	8260B	Isopropylbenzene	27.86	≤20.0	≤25.0	NA	NA	J/UJ
	ICV			Naphthalene	26.86	≤20.0	≤25.0	NA	NA	J/UJ
PVC1911	4/5/2012	OU3-1M-M-032712**	8260B	Trichlorofluoromethane	35	≤20.0	≤25.0	1.243	0.010	J/UJ
	CCV			Acetone	27	≤20.0	≤25.0	NA	NA	J/UJ
				Carbon tetrachloride	46	≤20.0	≤25.0	0.667	0.050	J/UJ
				1,2-Dibromo-3-chloropropane	29	≤20.0	≤25.0	0.099	0.010	J/UJ

Key:
NA = No qualified result
ICAL = Initial calibration
CCAL = Continuing calibration
RRF = Relative response factor
%D = Percent difference
J detects = Estimated detected result
UJ = Nondetected, estimated report limit
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
RPD = Relative percent difference
** = Sample underwent Tier 3 review

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PVC0817	EW-13-118-031212-R1	8260B	See below	Bromodichloromethane	2.2	0.50	ug/L	
				Chloroform	8.9	0.50	ug/L	
				Dibromochloromethane	1.1	0.50	ug/L	
			EW-13-118-031212					NA, ND
			EW-13-168-031212					NA, ND
			EW-13-268-031212	Bromodichloromethane	2.3	0.50	ug/L	2.3U
				Chloroform	9.3	0.50	ug/L	9.3U
				Dibromochloromethane	1.3	0.50	ug/L	1.3U
			DT-DW-5-031212	Chloroform	0.61	0.50	ug/L	0.61U
PVC0817	EW-13-118-031212-EB	8260B	See below	Bromodichloromethane	2.4	0.50	ug/L	
				Chloroform	9.5	0.50	ug/L	
				Dibromochloromethane	1.3	0.50	ug/L	
			EW-13-118-031212					NA, ND
			EW-13-168-031212					NA, ND
			EW-13-268-031212	Bromodichloromethane	2.3	0.50	ug/L	2.3U
				Chloroform	9.3	0.50	ug/L	9.3U
				Dibromochloromethane	1.3	0.50	ug/L	1.3U
			DT-DW-5-031212	Chloroform	0.61	0.50	ug/L	0.61U
PVC1259	GW-EB2-031512	8260B	See below	Bromodichloromethane	1.9	0.50	ug/L	
				Chloroform	7.4	0.50	ug/L	
				Dibromochloromethane	0.94	0.50	ug/L	
			OU3-7M2-M-031512					NA, ND
			OU3-7M2-M-031512-Q1					NA, ND
			OU3-7S-S-031512	Chloroform	1.0	0.50	ug/L	1.0U
			OU3-14D-D-031512					NA, ND
			OU3-4S-031512	Chloroform	0.87	0.50	ug/L	0.87U

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PVC1264	GW-EB2-031512	8260B	See below	Bromodichloromethane	1.9	0.50	ug/L	
				Chloroform	7.4	0.50	ug/L	
				Dibromochloromethane	0.94	0.50	ug/L	
			OU3-14M-M-031512**	Chloroform	0.65	0.50	ug/L	0.65U
PVC1354	GW-EB3-031612	8260B	See below	Bromodichloromethane	1.7	0.50	ug/L	
				Chloroform	7.1	0.50	ug/L	
				Dibromochloromethane	0.94	0.50	ug/L	
			OU3-6M-M-031612	Chloroform	0.67	0.50	ug/L	0.67U
			OU3-6D-D-031612					NA, ND
			OU3-12D-D-031612					NA, ND
			SC-MW-1D-5-031612	Chloroform	2.0	0.50	ug/L	2.0U
PVC1355	GW-EB3-031612	8260B	See below	Bromodichloromethane	1.7	0.50	ug/L	
				Chloroform	7.1	0.50	ug/L	
				Dibromochloromethane	0.94	0.50	ug/L	
			OU3-12M-M-031612**					NA, ND
PVC1432	GW-EB4-031912	8260B	See below	Bromodichloromethane	2.4	0.50	ug/L	
				Chloroform	4.2	0.50	ug/L	
				Dibromochloromethane	1.4	0.50	ug/L	
			OU3-8D-D-031912					NA, ND
			OU3-8S-S-031912	Chloroform	1.3	0.50	ug/L	1.3U
			OU3-9S-S-031912	Chloroform	1.2	0.50	ug/L	1.2U
PVC1433	GW-EB4-031912	8260B	See below	Bromodichloromethane	2.4	0.50	ug/L	
				Chloroform	4.2	0.50	ug/L	
				Dibromochloromethane	1.4	0.50	ug/L	
			OU3-8M2-M-031912**	Chloroform	0.60	0.50	ug/L	0.60U
			OU3-9M2-M-031912**	Chloroform	1.6	0.50	ug/L	1.6U

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PVC1520	GW-EB5-032012	8260B	See below	Bromodichloromethane	2.2	0.50	ug/L	
				Chloroform	3.9	0.50	ug/L	
				Dibromochloromethane	1.2	0.50	ug/L	
			OU3-10M2-M-032012	Chloroform	1.4	0.50	ug/L	1.4U
			OU3-10M2-M-032012-Q1	Chloroform	1.6	0.50	ug/L	1.6U
			OU3-10M-M-032012	Chloroform	3.2	0.50	ug/L	3.2U
			EWOU3-10S-R-S-032012	Chloroform	3.3	0.50	ug/L	3.3U
			OU3-10S-S-032012	Chloroform	3.6	0.50	ug/L	3.6U
			OU3-16M-M-032012	Chloroform	2.0	0.50	ug/L	2.0U
			OU3-16M-M-032012-Q1	Chloroform	1.8	0.50	ug/L	1.8U
			OU3-16S-S-032012	Chloroform	2.3	0.50	ug/L	2.3U
				Dibromochloromethane	0.53	0.50	ug/L	0.53U
PVC1604	GW-EB6-032112	8260B	See below	Bromodichloromethane	2.4	0.50	ug/L	
				Chloroform	4.2	0.50	ug/L	
				Dibromochloromethane	1.3	0.50	ug/L	
			OU3-5DR-D-032112					NA, ND
			OU3-5MR-M-032112	Chloroform	1.3	0.50	ug/L	1.3U
			OU3-5SR-S-032112	Chloroform	4.3	0.50	ug/L	4.3U
			OU3-5M2-M-032112	Chloroform	1.0	0.50	ug/L	1.0U
			EW-20-S-032112	Chloroform	1.5	0.50	ug/L	1.5U
PVC1707	GW-EB7-032212	8260B	See below	Bromodichloromethane	2.6	0.50	ug/L	
				Chloroform	4.5	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			EW-19D-D-032212					NA, ND
			EW-19S-S-032212	Chloroform	1.1	0.50	ug/L	1.1U
			OU3-2M-M-032212	Chloroform	1.0	0.50	ug/L	1.0U
			OU3-2M-M-032212-MS/MSD	Chloroform	0.98	0.50	ug/L	0.98U
			OU3-20S-S-032212					NA, ND
			OU3-20S-S-032212-MS/MSD					NA, ND
			OU3-20M-M-032212					NA, ND

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PVC1784	GW-EB8-032312	8260B	See below	Bromodichloromethane	2.6	0.50	ug/L	
				Chloroform	4.6	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			OU3-17S-S-032312	Chloroform	6.9	0.50	ug/L	6.9U
				Dibromochloromethane	0.57	0.50	ug/L	0.57U
			OU3-13D-D-032312					NA, ND
			OU3-13M-M-032312					NA, ND
			EW-22S-S-032312	Chloroform	2.5	0.50	ug/L	2.5U
				Dibromochloromethane	0.57	0.50	ug/L	0.57U
			EW-22S-S-032312-Q1	Chloroform	2.3	0.50	ug/L	2.3U
PVC1785	GW-EB8-032312	8260B	See below	Bromodichloromethane	2.6	0.50	ug/L	
				Chloroform	4.6	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			OU3-19M-M-032312**	Chloroform	1.2	0.50	ug/L	1.2U
PVC1873	GW-EB9-032612	8260B	See below	Bromodichloromethane	2.6	0.50	ug/L	
				Chloroform	3.5	0.50	ug/L	
				Dibromochloromethane	1.6	0.50	ug/L	
			OU3-11M2-M-032612					NA, ND
			OU3-11M-M-032612					NA, ND
			OU3-11S-S-032612	Chloroform	0.64	0.50	ug/L	0.64U
				Dibromochloromethane	0.51	0.50	ug/L	0.51U
			BE-MW-8-S-032612	Dibromochloromethane	0.50	0.50	ug/L	0.50U
PVC1910	GW-EB10-032712	8260B	See below	Bromodichloromethane	2.9	0.50	ug/L	
				Chloroform	4.8	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			EW-21-S-032712	Chloroform	0.81	0.50	ug/L	0.81U
			OU3-1D-D-032712					NA, ND

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PVC1911	GW-EB10-032712	8260B	See below	Bromodichloromethane	2.9	0.50	ug/L	
				Chloroform	4.8	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			OU3-1M-M-032712**	Chloroform	0.73	0.50	ug/L	0.73U
PVC0821	EW-13-118-031212-R1	8260B	See below	Bromodichloromethane	2.2	0.50	ug/L	
				Chloroform	8.9	0.50	ug/L	
				Dibromochloromethane	1.1	0.50	ug/L	
			EW-13-228-031212**					NA, ND
PVC0821	EW-13-118-031212-EB	8260B	See below	Bromodichloromethane	2.4	0.50	ug/L	
				Chloroform	9.5	0.50	ug/L	
				Dibromochloromethane	1.3	0.50	ug/L	
			EW-13-228-031212**					NA, ND
PVD0634	GW-EB9-041012	8260B	See below	Bromodichloromethane	4.8	0.50	ug/L	
				Chloroform	6.3	0.50	ug/L	
				Dibromochloromethane	2.9	0.50	ug/L	
			OU3-2M-M-041012-MS/MSD	Chloroform	1.1	0.50	ug/L	1.1U
			OU3-20s-s-041012-MS/MSD					NA, ND

Key:
NA = No qualified result
U = Nondetected
>5X = Concent
MB = Method blank
FT = Field blank
FA = ASTM water blank
R = Equipment Rinsate
ug/L = microgram per liter
>5X = Concentration in sample was more than 5X the blank concetnration
** = Sample underwent Tier 3 review

Table F-3
Matrix Spike/Matrix Spike Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	MS/MSD ID	Associated Sample	Method	Compound	MS (% R)	MSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PVC1784	OU3-17S-S-032312MS/	OU3-17S-S-032312	8260B	Carbon tetrachloride	148	146	65-135	1	≤25	J detects
	OU3-17S-S-032312MSD			Trichlorofluoromethane	160	152	65-150	5	≤25	J detects
PVC1873	BE-MW-8-S-032612MS/	BE-MW-8-S-032612	8260B	Carbon tetrachloride	148	147	65-135	0.6	≤25	J detects
	BE-MW-8-S-032612MSD			1,2,3-Trichlorobenzene	136	129	70-130	5	≤25	J detects
				Trichlorofluoromathene	155	156	65-150	0.08	≤25	J detects

Key:
J detects = Estimated detected result
UJ = Nondetected, estimated report limit
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
RPD = Relative percent difference
>4X spike = Parent concentration more than 4X the spike amount in the MS/MSD
** = Sample underwent Tier 3 review

Table F-4

Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits

Operable Unit 3

Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	LCS/LCSD ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PVC0817	12C0766-BS1/BSD1	EW-13-118-031212-R1	8260B	Acetone	154	162	10-150	6	≤35	J detects
		EW-13-118-031212		1,1,2,2-Tetrachloroethane	115	121	80-120	5	≤20	J detects
		EW-13-168-031212								
		EW-13-268-031212								
		EW-13-118-031212-EB								
		DT-DW-5-031212								
PVC1264	12C1160-BS1/BSD1	OU3-14M-M-031512**	8260B	Acetone	162	131	10-150	21	≤35	J detects
				2-Hexanone	155	124	20-150	22	≤35	J detects
PVC1432	12C1160-BS1/BSD1	OU3-8D-D-031912	8260B	Acetone	162	131	10-150	21	≤35	J detects
		OU3-8S-S-031912		2-Hexanone	155	124	20-150	22	≤35	J detects
		OU3-9S-S-031912								
		GW-EB4-031912								
		GW-L1-1-031912								
PVC1433	12C1160-BS1/BSD1	OU3-8M2-M-031912**	8260B	Acetone	162	131	10-150	21	≤35	J detects
		OU3-9M2-M-031912**		2-Hexanone	155	124	20-150	22	≤35	J detects
PVC1520	12C1231-BS1/BSD1	OU3-10M2-M-032012	8260B	Acetone	206	168	10-150	21	≤35	J detects
		OU3-10M2-M-032012-Q1		Carbon tetrachloride	126	131	75-130	4	≤20	J detects
		OU3-10M-M-032012		2-Hexanone	152	136	20-150	11	≤35	J detects
		EWOU3-10S-R-S-032012								
		OU3-10S-S-032012								
		OU3-16M-M-032012								
		OU3-16M-M-032012-Q1								
		OU3-16S-S-032012								
		GW-EB5-032012								
		GW-L1-1-032012								

Table F-4

Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits

Operable Unit 3

Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	LCS/LCSD ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PVC1604	12C1355-BS1/BSD1	OU3-5DR-D-032112	8260B	Acetone	152	155	10-150	2	≤35	J detects
		OU3-5MR-M-032112								
		OU3-5SR-S-032112								
		OU3-5M2-M-032112								
		GW-EB6-032112								
		GW-L1-1-032112								
PVC1604	12C1368-BS1/BSD1	EW-20-S-032112	8260B	Acetone	186	178	10-150	5	≤35	J detects
				Carbon tetrachloride	131	130	75-130	1	≤20	J detects
PVC1707	12C1355-BS1/BSD1	EW-19D-D-032212	8260B	Acetone	152	155	10-150	2	≤35	J detects
		EW-19S-S-032212								
		OU3-2M-M-032212								
		OU3-2M-M-032212-MS/MSD								
		OU3-20S-S-032212								
		OU3-20S-S-032212-MS/MSD								
		OU3-20M-M-032212								
		GW-EB7-032212								
		GW-L1-1-032212								
PVC1707	12C1368-BS1/BSD1	GW-Z1-1-032212	8260B	Acetone	186	178	10-150	5	≤35	J detects
				Carbon tetrachloride	131	130	75-130	1	≤20	J detects
PVC1784	12D0137-BS1/BSD1	OU3-17S-S-032312	8260B	Carbon tetrachloride	139	143	75-130	3	≤20	J detects
		OU3-13D-D-032312								
		OU3-13M-M-032312								
		EW-22S-S-032312								
		EW-22S-S-032312-Q1								
		GW-EB8-032312								
		GW-L1-1-032312								
PVC1785	12D0137-BS1/BSD1	OU3-19M-M-032312**	8260B	Carbon tetrachloride	139	143	75-130	3	≤20	J detects

Table F-4

Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits

Operable Unit 3

Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	LCS/LCSD ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PVC1873	12D0176-BS1/BSD1	OU3-11M2-M-032612	8260B	tert-Butylbenzene	123	118	80-120	5	≤15	J detects
		OU3-11M-M-032612		Carbon tetrachloride	151	146	75-130	3	≤20	J detects
		OU3-11S-S-032612		Isopropylbenzene	131	125	80-130	5	≤15	J detects
		BE-MW-8-S-032612		1,2,3-Trichlorobenzene	128	132	75-125	3	≤15	J detects
		GW-EB9-032612		Trichlorofluoromethane	152	158	70-150	4	≤25	J detects
		GW-L1-1-032612								
PVC1910	12D0176-BS1/BSD1	EW-21-S-032712	8260B	tert-Butylbenzene	123	118	80-120	5	≤15	J detects
		OU3-1D-D-032712		Carbon tetrachloride	151	146	75-130	3	≤20	J detects
		GW-EB10-032712		Isopropylbenzene	131	125	80-130	5	≤15	J detects
		GW-L1-1-032712		1,2,3-Trichlorobenzene	128	132	75-125	3	≤15	J detects
				Trichlorofluoromethane	152	158	70-150	4	≤25	J detects
PVC1911	12D0176-BS1/BSD1	OU3-1M-M-032712**	8260B	tert-Butylbenzene	123	118	80-120	5	≤15	J detects
				Carbon tetrachloride	151	146	75-130	3	≤20	J detects
				Isopropylbenzene	131	125	80-130	5	≤15	J detects
				1,2,3-Trichlorobenzene	128	132	75-125	3	≤15	J detects
				Trichlorofluoromethane	152	158	70-150	4	≤25	J detects
PVC0821	12C0766-BS1/BSD1	EW-13-228-031212**	8260B	Acetone	154	162	10-150	6	≤35	J detects
				1,1,2,2-Tetrachloroethane	115	121	80-120	5	≤20	J detects

Key:

J detects = Estimated detected result

UJ = Nondetected, estimated report limit

J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

RPD = Relative percent difference

** = Sample underwent Tier 3 review

Table F-5
Field Duplicate Results and Calculated Relative Percent Differences
Operable Unit 3
Motorola 52nd Superfund Site, Quarterly 2012

Lab Package	Method	Primary Sample ID/ Duplicate Sample ID	Compound	Concentration Sample	Concentration Duplicate	RPD Limit	Difference Limit	Units	Primary RL	Duplicate RL	Difference	RPD (%)
PVC1259	8260B	OU3-7M2-M-031512/	Tetrachloroethene	1.0	1.2	NA	1.00	ug/L	0.50	0.50	0.20	NA
		OU3-7M2-M-031512-Q1	Trichloroethene	0.92	0.99	NA	1.00	ug/L	0.50	0.50	0.07	NA
PVC1520	8260B	OU3-10M2-M-032012/	Chloroform	1.4	1.6	NA	1.00	ug/L	0.50	0.50	0.20	NA
		OU3-10M2-M-032012-Q1	1,1-Dichloroethane	6.1	5.7	≤20	NA	ug/L	0.50	0.50	NA	7
			1,1-Dichloroethene	9.7	9.6	≤20	NA	ug/L	0.50	0.50	NA	1
			cis-1,2-Dichloroethene	7.0	7.5	≤20	NA	ug/L	0.50	0.50	NA	7
			Tetrachloroethene	1.5	1.5	NA	1.00	ug/L	0.50	0.50	0.00	NA
			Trichloroethene	36	36	≤20	NA	ug/L	0.50	0.50	NA	0
PVC1520	8260B	OU3-16M-M-032012/	Chloroform	2.0	1.8	NA	1.0	ug/L	0.50	0.50	0.20	NA
		OU3-16M-M-032012-Q1	1,1-Dichloroethane	7.5	7.5	≤20	NA	ug/L	0.50	0.50	NA	0
			1,1-Dichloroethene	12	12	≤20	NA	ug/L	0.50	0.50	NA	0
			cis-1,2-Dichloroethene	18	18	≤20	NA	ug/L	0.50	0.50	NA	0
			Tetrachloroethene	4.0	4.0	NA	1.0	ug/L	0.50	0.50	0.00	NA
			Trichloroethene	100	99	≤20	NA	ug/L	0.50	0.50	NA	1
			Trichlorofluoromethane	0.60	0.64	NA	1.0	ug/L	0.50	0.50	0.04	NA
PVC1784	8260B	EW-22S-S-032312/	Chloroform	2.5	2.3	NA	1.0	ug/L	0.50	0.50	0.20	NA
		EW-22S-S-032312-Q1	Dibromochloromethane	0.57	0.50U	NA	1.0	ug/L	0.50	0.50	0.07	NA
			1,1-Dichloroethane	2.0	1.9	NA	1.0	ug/L	0.50	0.50	0.10	NA
			1,1-Dichloroethene	1.2	1.9	NA	1.0	ug/L	0.50	0.50	0.70	NA
			cis-1,2-Dichloroethene	3.9	3.7	NA	1.0	ug/L	0.50	0.50	0.20	NA
			Tetrachloroethene	1.2	1.0	NA	1.0	ug/L	0.50	0.50	0.21	NA
			Trichloroethene	25	23	≤20	NA	ug/L	0.50	0.50	NA	8
PVC1520	8270C	OU3-10M2-M-032012/	1,4-Dioxane	3.3	3.1	NA	2.0	ug/L	1.0	1.0	0.20	NA
		OU3-10M2-M-032012-Q1										
PVC1520	8270C	OU3-16M-M-032012/	1,4-Dioxane	3.0	2.7	NA	2.0	ug/L	1.0	1.0	0.30	NA
		OU3-16M-M-032012-Q1										

Key:
NC = Not calculated, one result was detected and the other result was nondetected
ug/L = microgram per liter
** = Sample underwent Tier 3 review
RPD = Relative percent difference; used when sample results are >5x the reporting limit
Difference = used when a sample result is less than 5x the reporting limit
mg/L = milligram per liter