SFUND RECORDS CTR
2271891

Groundwater Monitoring Report March 2011

52nd Street Superfund Site Operable Unit 3
Phoenix, Arizona

March 2012

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

www.erm.com

ERM

Motorola 52nd Street
Superfund Site Operable Unit 3
Working Group

Groundwater Monitoring Report
March 2011

52nd Street Superfund Site Operable Unit 3
Phoenix, Arizona

March 2012

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

TABLE OF CONTENTS

LIST OF FIGURES *III*

LIST OF TABLES *IV*

LIST OF ACRONYMS AND ABBREVIATIONS *V*

1.0 INTRODUCTION *1-1*

1.1 MOTOROLA 52ND STREET SUPERFUND SITE HISTORY *1-1*

1.2 OU3 HYDROGEOLOGY *1-2*

1.3 PREVIOUS SITE INVESTIGATIONS *1-3*

1.4 PURPOSE AND SCOPE *1-4*

1.5 REPORT ORGANIZATION *1-5*

2.0 GROUNDWATER MONITORING ACTIVITIES *2-1*

2.1 GROUNDWATER LEVEL MEASUREMENTS *2-1*

2.2 GROUNDWATER PURGING AND SAMPLE COLLECTION *2-2*

2.3 SAMPLE ANALYSIS *2-3*

2.4 DECONTAMINATION *2-3*

2.5 INVESTIGATION-DERIVED WASTE MANAGEMENT *2-4*

2.6 DEVIATIONS FROM THE WORK PLAN *2-4*

3.0 MARCH 2011 GROUNDWATER MONITORING RESULTS *3-1*

3.1 GROUNDWATER LEVEL MEASUREMENT SUMMARY *3-1*

3.2 ANALYTICAL RESULTS SUMMARY *3-2*

3.3 QUALITY ASSURANCE/QUALITY CONTROL RESULTS SUMMARY *3-4*

3.4 DATA VALIDATION *3-6*

3.5 RECOMMENDATIONS *3-7*

4.0 REFERENCES *4-1*

APPENDIX A – GROUNDWATER SAMPLING FIELD FORMS

APPENDIX B – LABORATORY ANALYTICAL RESULTS (LEVEL III DATA ON CD)

APPENDIX C – CITY OF PHOENIX SANITARY SEWER DISCHARGE PERMIT

APPENDIX D – OU3 HISTORICAL GROUNDWATER ELEVATIONS

APPENDIX E – TIME CONCENTRATION GRAPHS

APPENDIX F – DATA VALIDATION REPORT

LIST OF FIGURES

Figure 1 – Site Location Map

Figure 2 – Well Locations

Figure 3 – Upper Salt River Gravels Sub-unit Groundwater Contour Map – March 2011

Figure 4 – Lower Salt River Gravels Sub-unit Groundwater Contour Map – March 2011

Figure 5 – Basin Fill Sub-unit Groundwater Contour Map – March 2011

Figure 6 – Upper Salt River Gravels Sub-unit TCE Contour Map – March 2011

Figure 7 – Lower Salt River Gravels Sub-unit TCE Contour Map – March 2011

Figure 8 – Basin Fill Sub-unit TCE Contour Map – March 2011

LIST OF TABLES

Within Text — *Page*

Table 1 – OU3 Hydrostratigraphic Zones 1-3

Table 4 – Groundwater Level Summary 3-2

Table 5 – Estimated Groundwater Gradients 3-2

Tables Tab

Table 2 – Monitoring Well Construction Details

Table 3 – March 2011 Sampling Event Groundwater Elevations Summary

Table 6 – March 2011 Sampling Event Analytical Data Summary

Table 7 – March 2011 Sampling Event Non-OU3 Program Monitoring Well Construction Details, Groundwater Depths, and TCE Concentrations

LIST OF ACRONYMS AND ABBREVIATIONS

1,1-DCE	1,1-Dichloroethene
µg/L	microgram(s) per liter
ADEQ	Arizona Department of Environmental Quality
AOC	Administrative Order on Consent
amsl	Above mean sea level
AWQS	Arizona Aquifer Water Quality Standard
bgs	Below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CRA	Conestoga-Rovers & Associates
D	Deep Zone
ERM	Environmental Resources Management
ft	foot or feet
FS	Feasibility Study
LCSD	Laboratory control sample duplicate
M	First Intermediate Zone
M2	Second Intermediate Zone
MS	Matrix spike
MSD	Matrix spike duplicate
OU	Operable Unit
PARCC	Precision, accuracy, representativeness, comparability, and completeness
PCE	Tetrachloroethene
PE	Performance Evaluation
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
RI	Remedial Investigation
RPD	Relative percent difference
S	Shallow Zone
SOW	Statement of Work
TCE	Trichloroethene
US EPA	United States Environmental Protection Agency
VOC	Volatile organic compound

1.0 INTRODUCTION

This Groundwater Monitoring Report presents the March 2011 semiannual groundwater monitoring results for the Motorola 52nd Street Superfund Site, Operable Unit (OU) 3, in Phoenix, Arizona. The Site is separated into three OUs (OU1, OU2, and OU3). OU3, which is hydraulically downgradient (west) of OU2, has been established by the United States Environmental Protection Agency (US EPA) and the Arizona Department of Environmental Quality (ADEQ) to further determine the nature and extent of groundwater contamination between 20th Street and 7th Avenue.

1.1 MOTOROLA 52ND STREET SUPERFUND SITE HISTORY

Figure 1 provides a site location map of the Motorola 52nd Street Superfund Site OUs. 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.

ADEQ is the lead regulatory agency for OU1 and OU2, and the US EPA is the lead regulatory agency for OU3.

On 4 October 1989, the US EPA placed the Motorola, Inc. (52nd Street Plant) Site on the National Priorities List. Motorola (now Freescale Semiconductor, Inc. [Freescale]) investigated their facility and

implemented the OU1 groundwater extraction and treatment plant beginning in 1992 under ADEQ oversight. Beginning in 1991, investigation activities in OU2 under ADEQ oversight resulted in the selection of the OU2 interim remedy. This consisted of the containment of the groundwater plume (at approximately 20th Street) utilizing a groundwater extraction and treatment system. Freescale and Honeywell (the Companies) constructed and initially operated the OU2 treatment system under US EPA oversight. The Companies recently 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 Motorola 1992 OU2 Remedial Investigation (RI) report 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 commingled VOC groundwater impacts.

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 2009). Four hydrostratigraphic zones—Shallow (S), First Intermediate (M), Second Intermediate (M2), and Deep (D)—were originally designated in OU3 (US EPA 2009). Lithologic descriptions of these zones are provided in Table 1.

Following agreement with ADEQ and 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 Shallow Zone, First Intermediate Zone, and Second Intermediate Zones correlate to the Salt River Gravels Sub-unit, and the Deep Zone correlates to the Basin Fill Sub-unit. Per a request from US EPA, potentiometric surface and the trichloroethene (TCE) iso-concentration contour maps were developed for the upper zone of the River Gravels Sub-unit (Upper Salt River Gravels), the lower zone of the Salt River Gravels Sub-unit (Lower Salt River Gravels), and the Basin Fill unit. The hydrogeologic conceptual models for OU2 and OU3 are currently being revised; finalized revisions will be presented in future groundwater monitoring reports.

Table 1 *OU3 Hydrostratigraphic Zones*

Aquifer Unit	Former Hydrostratigraphic Zone	Revised Hydrostratigraphic Zone	Description
	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.
Upper Alluvial Aquifer	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.
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 scope of work for the Phase I and II field programs were presented in the following documents:

- *Final Groundwater Investigation Work Plan, Motorola 52nd Street Superfund Site Operable Unit 3 Study Area, Phoenix, Arizona* (IT 2001).
- *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* (IT 2003).

Phases I and II included construction of the following groundwater monitoring wells:

- Phase I: Fifteen groundwater wells were installed from February to May 2002.
- Phase II: Thirteen groundwater wells were installed from May to July 2003. This phase included the abandonment and replacement of three Phase I wells (OU3-5S/M/D).

The OU3 Working Group—comprised of Honeywell International, Inc and Arizona Public Service Company, a subsidiary of Pinnacle West—entered into an AOC with the US EPA on 23 September 2009 (EPA 2009). The Statement of Work (SOW) for the OU3 Working Group was included

as Appendix A of the AOC. In accordance with the AOC and SOW, the OU3 Working Group became responsible for the OU3 groundwater monitoring program beginning in March 2010. The OU3 monitoring program consists of semiannual sampling events that are performed in conjunction with the Phase III OU3 RI and Feasibility Study (FS).

The scope of the Phase III RI/FS field program was presented in the *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 conducted 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. All wells were installed within the Salt River Gravels Sub-unit. Wells OU3-16S, OU3-10S, OU3-17S, and OU3-20S were installed in the Upper Salt River Gravels Sub-unit 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 Lower Salt River Gravels Sub-unit 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, Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area, Phoenix, Arizona,* submitted in June 2011 (ERM 2011b). In accordance with the SOW, sampling of Phase III wells is being conducted on a quarterly basis separately from OU3 semiannual monitoring of the Phase I and II wells. In addition, reporting of the results is also occurring separately through submission of quarterly monitoring reports; therefore, quarterly Phase III results are not presented within the semiannual reports. However, analysis of the combined data sets is being conducted as part of the overall RI.

Figure 2 provides a site plan of all OU3 groundwater monitoring program well locations. Table 2 (attached) provides the OU3 monitoring well construction details.

1.4 *PURPOSE AND SCOPE*

The purpose of this groundwater monitoring program is to evaluate the trends of contaminants of concern within OU3. 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.
- Evaluation of groundwater hydraulic and water quality data.

Groundwater monitoring activities performed during the March 2011 event were conducted according to the methodology and procedures in the Work Plan.

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 2011 groundwater monitoring results. Section 4.0 contains the references cited within this document.

2.0 GROUNDWATER MONITORING ACTIVITIES

This semiannual groundwater monitoring event was conducted from 7 to 18 March 2011. 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 to conduct this groundwater monitoring event. The groundwater monitoring program 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 discussed in the following subsections. A 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 7 March 2011, water levels were measured to the nearest 0.01-foot (ft) utilizing an electric water level indicator capable of producing measurements accurate to within ±0.01 ft. Water levels were collected from monitoring well EW-13 on 18 March 2011 using specialized Westbay® gauging and sampling equipment.

Groundwater contour maps were generated using the measurements collected on 7 and 18 March 2011 (Figures 3, 4, and 5), using the groundwater elevation calculations for the Upper and Lower Salt River Gravels Sub-unit and Basin Fill Sub-unit.

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, the water quality parameters pH, temperature, conductivity, dissolved oxygen, and oxidation-reduction potential were measured (field parameters). Field parameters were measured with 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 sample was collected from the pump outlet 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. 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 this sampling event. Groundwater samples were hand-delivered daily to the Phoenix, Arizona facility of TestAmerica, Inc., an Arizona-certified laboratory (Arizona Department of Health Services # AZ0728), 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 this monitoring event were analyzed by TestAmerica, Inc., using the following methods:

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

A complete listing of the March 2011 analytical results is provided in Appendix B.

2.4 *DECONTAMINATION*

Purging and sampling equipment was decontaminated before use at each groundwater monitoring well in accordance with Appendix A, Section 5.11.3 of the Work Plan. 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 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 extruded from the pump.
- The submersible pump was then submerged in a container containing 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 permit issued by the City of Phoenix on 15 February 2011 (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*

Modifications to the Work Plan were described in *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* (Tech Memo #1) (ERM 2011a). Tech Memo #1 removed groundwater monitoring well GW-MH-11, which historically contained light non-aqueous phase liquid, from the list of wells to be sampled semiannually. In addition, monitoring well SC-MW-7, which was abandoned in 2006, was also removed from the list of wells to be sampled.

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

- EW-13 was not gauged in the first 48 hours of the sampling event. Historically this has been a typical deviation because specialized WestBay® equipment needed to gauge this well is often not available at the same time as the gauging of the other wells. In the future, an effort will be made to better coordinate the timing of the gauging activities to be conducted within a 48-hour period.
- IN-MW-1 was not sampled due to insufficient water in the well.
- To be consistent with previous sampling events and previous consultants, EWOU3-10S-R was purged with a disposable bailer.

All other procedures in the Work Plan were followed during the March 2011 groundwater sampling event.

3.0 *MARCH 2011 GROUNDWATER MONITORING RESULTS*

Groundwater samples were collected from thirty-six monitoring wells and the four ports of Westbay® Multi-Port well EW-13, during the March 2011 monitoring event. Of the monitoring wells and ports that were sampled, fourteen were screened in the Upper Salt River Gravels Sub-unit (former Shallow Zone), sixteen were screened in the Lower Salt River Gravels Sub-unit (former Intermediate Zone), and ten were screened in the Basin Fill Sub-unit (former Deep Zone).

This OU3 March 2011 semiannual groundwater report also contains validated non-OU3 groundwater analytical data reported by Conestoga-Rovers & Associates (CRA) in the *March through May, 2011 Groundwater Monitoring Report, Operable Unit 2 Area* (July 2011).

3.1 *GROUNDWATER LEVEL MEASUREMENT SUMMARY*

Groundwater elevations measured in the OU3 program monitoring wells during this monitoring event are summarized in Table 3 (attached). Figures 3 through 5 present the March 2011 groundwater elevation contours for the Upper and Lower Salt River Gravels Sub-unit wells, 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 (non-OU3 program wells) were used in the interpretations presented in Figures 3 through 5.

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 ft below ground surface (bgs), which is over 120 ft 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 in thirty-five of the OU3 groundwater monitoring wells gauged during the March 2011 event relative to September 2010 data, with an average increase of 2.73 ft.

Table 4 summarizes groundwater levels by hydrostratigraphic zone. Table D-1 in Appendix D contains a tabulation of historical water levels.

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 (former Shallow Zone (S))	79 (BE-MW-8)/ 90 (EWOU3-10S-R)	991.36 (EWOU3-10S-R) / 1,009.37 (SC-MW-1D)	+8.94 (BE-MW-8)
Lower Salt River Gravels Sub-unit (former Intermediate Zone (M))	81 (OU3-11M2)/ 90 (OU3-10M)	992.18 (OU3-10M) / 1,009.94 (OU3-14M)	+7.06 (OU3-10M)
Basin Fill Sub-unit (former Deep Zone (D))	74 (EW-19D)/ 86 (OU3-5DR)	9917.48 (OU3-8D) / 1,019.79 (OU3-14D)	+8.46 (OU3-14D)

Notes: amsl = above mean sea level; min = minimum; max = maximum

Based on the groundwater elevations from this gauging event, the estimated groundwater gradients from west of 16th Street are shown in Table 5, along with the wells used to determine the gradient. The groundwater gradient was calculated using the 3-point method. The groundwater gradient was 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 (former Shallow Zone (S))	0.0019 ft/ft west-southwest	EWOU3-10S-R, OU3-4S, and SC-MW-1D
Lower Salt River Gravels Sub-unit (former Intermediate Zone (M))	0.0017 ft/ft west	OU3-10M, OU3-14M, and OU3-12M
Basin Fill Sub-unit (former Deep Zone (D))	0.0023 ft/ft west-southwest	OU3-8D, OU3-6D, and OU3-14D

3.2 *ANALYTICAL RESULTS SUMMARY*

A total of forty-two samples were collected from forty sampling points during the March 2011 monitoring event. A summary of analytes detected is provided in Table 6 (attached). Figures 6 through 8 present TCE data for the Upper and Lower Salt River Gravels Sub-unit wells and Basin Fill Sub-unit wells, respectively. TCE concentration data from several wells not sampled as part of the OU3 monitoring program were also used in Figures 6 through 8. TCE data from selected 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 (attached).

The following analytes were detected above their respective Aquifer Water Quality Standards (AWQS) during the March 2011 groundwater monitoring event:

- TCE was detected above the AWQS of 5 micrograms per liter (µg/L) in samples from thirteen wells (EWOU3-10S-R, EW-19S, EW-20, OU3-1M, OU3-2M, OU3-5M2, OU3-5MR, OU3-5SR, OU3-8S, OU3-8M2, OU3-10M, OU3-10M2, and OU3-13M) at concentrations ranging from 6.0 (OU3-1M) to 73 µg/L (OU3-5M2). Samples from twelve of the wells contained TCE exceeding the AWQS in September 2010 (ERM 2010b). The sample from the thirteenth well, OU3-1M, contained TCE at a concentration of 4.7 µg/L in September 2010 and 6.0 µg/L in March 2011.
- Tetrachloroethene (PCE) was detected above the AWQS of 5 µg/L in one well during the March 2011 event, BE-MW-8, at 8.8 µg/L. The PCE concentration in Well BE-MW-8 during the September 2010 event was also 8.8 µg/L (ERM 2010b).
- 1,1-Dichloroethene (1,1-DCE) was detected above the AWQS of 7 µg/L in samples from four wells (OU3-2M, OU3-5MR, OU3-5M2, and OU3-10M2), at concentrations ranging from 7.0 J (OU3-2M) to 11 J µg/L (OU3-10M2). The J indicates the results are considered laboratory estimates. Samples from these four wells also exceeded the AWQS during the September 2010 event (ERM 2010b).

The compound 1,4-dioxane was detected in eleven of forty wells. The majority of the 1,4-dioxane results were near or below the laboratory's practical quantitation limit of 1.0 µg /L. The highest concentration, 3.8 µg/L, was measured in the sample collected from well OU3-10M2. Regulatory standards have not been promulgated for 1,4-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 plots for TCE, PCE, 1,1-DCE, and cis-1,2-dichloroethene (cis-1,2-DCE), versus groundwater elevation for all OU3 program monitoring wells. The available historical data from the non-OU3 (Shaw 2010; CRA 2011) and OU3 (Shaw 2010) program wells were included in constructing the graphs.

In general, the time-concentration graphs indicate that the concentrations of TCE, PCE, 1,1-DCE, and cis-1,2-DCE have decreased site-wide since the

OU3 groundwater monitoring program was initiated in June 2002. Over this period of time, thirteen monitoring wells have shown decreases in TCE concentration of one order of magnitude or more. These wells include EW-19S, EWOU3-10S-R, EW-20, EW-21, GH-MW-11, OU3-1M, OU3-2M, OU3-6M, OU3-10M, OU3-12M, OU3-12D, OU3-13D, OU3-14M, and OU3-14D. Wells EWOU3-10S-R and OU3-10M are clustered near the plume's southern boundary near Washington Street and 1st Street. The other wells are located within the southern, central, and northern portions of the plume between 5th and 16th Streets.

None of the OU3 wells exceeded the AWQS for cis-1,2-DCE in March 2011; the previous time a sample exceeded the AWQS of 70 µg/L was in March 2005 (EW-19S).

3.3 *QUALITY ASSURANCE/QUALITY CONTROL RESULTS SUMMARY*

Field quality control (QC) samples were collected or prepared to evaluate if sampling practices affected the analytical results. Field QC samples consisted of field duplicates, trip blanks, and equipment rinsate samples. All samples received by TestAmerica, Inc. were between 0 and 4 degrees Celsius.

This report contains data that were not collected as part of the OU3 monitoring program and, therefore, were not included in the OU3 data validation process. Quality assurance (QA)/QC performed on all non-OU3 samples is presented in Appendix B of *March through May, 2011 Groundwater Monitoring Report, Operable Unit 2 Area* (CRA 2011).

The OU3 March 2011 semiannual monitoring event's project data were validated in accordance with Section 4.1 of the QAPP for compliance with project QA/QC requirements, which 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.

Field QC: The field QC samples associated with the OU3 groundwater sampling event included field duplicate samples, equipment rinsate blanks, field blanks, matrix spikes (MS)/matrix spike duplicates (MSD), 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 one duplicate for every twenty samples, for a total of two 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 two field duplicate pairs collected both had RPDs of ≤10 percent for all analytes. Thus, the overall analytical and sampling precision for this sampling event was considered acceptable.

Nine equipment rinsate blanks and trip blanks were collected during the sampling event. These were analyzed for VOCs only. Analytes were detected in two of the trip blanks. 1,1,2-Trichloroethane was detected at a concentration of 1.8 µg/L in the trip blank associated with samples taken on 9 March 2011. Methyl tert-butyl ether was detected at a concentration of 0.64 µg/L in the trip blank associated with samples taken on 16 March 2011. No analytes were detected in the nine equipment rinsate blanks other than trihalomethanes (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) typically found in disinfected water such as that used to make the equipment blank, indicating good data quality sufficient to meet data quality objectives.

One PE sample was collected during the March 2011 groundwater sampling event, per the Work Plan. This was coordinated with US EPA to provide an external review of laboratory performance. The PE sample was obtained from the US EPA QA Technical Support Laboratory, operated for the US EPA by Shaw Environmental. 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 GW-Z1-1-030911. This process conformed to the requirements in the Work Plan.

Laboratory QC: Data were evaluated in terms of precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters. The PARCC parameters were evaluated for the March 2011 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 2011 sampling 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 2011 sampling 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 adherence to standard sampling techniques documented in the Work Plan.

Comparability: Comparability of sample results was ensured using 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, thus giving a 97 percent field completeness for the project. 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 was considered unusable; therefore, technical completeness was 100 percent.

In conclusion, the analytical results generally met the project 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 2011 monitoring event, and a Tier 3 data validation was

done on 10 percent of the data per the Work Plan. This validation was completed to determine the overall data quality and identify any non-conformances in field or laboratory activities. No samples collected during this monitoring event were flagged for TCE and/or PCE during the data validation, although the concentrations of 1,1-DCE and cis-1,2-DCE were flagged for several samples. All laboratory and validation data qualifiers are summarized on Table 6. The validation determined that all project requirements and completeness were met, and these data are valid to be used for decision-making purposes. A complete data validation report for the OU3 March 2011 semiannual groundwater monitoring event is provided in Appendix F.

This groundwater report contains non-OU3 laboratory analytical data that were reported and validated by CRA in Appendix B of the *March through May, 2011 Groundwater Monitoring Report, Operable Unit 2 Area* (CRA 2011).

3.5 *RECOMMENDATIONS*

Based on the results of this sampling event, ERM recommends the following:

- Groundwater monitoring well IN-MW-1 should be removed from future sampling events because it is routinely dry and unable to be sampled.
- Groundwater monitoring well EWOU3-10S-R should be removed from future sampling events because its replacement, OU3-10S, has been installed.
- Concentration vs. time graphs for cis-1,2-DCE will be eliminated from future semiannual reports because this compound has not been detected above the AWQS since March 2005.

4.0 REFERENCES

Conestoga-Rovers & Associates Engineering, Inc (CRA). 2011. *March through May 2011 Groundwater Monitoring Report, Operable Unit 2 Area – 52nd Street Superfund Site. Phoenix, Arizona.*

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. *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,* January 2011.

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

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,* August 8, 2009.

Shaw Environmental, Inc. 2005. *Final Groundwater Investigation Report. Phase I and II Well Installation, Motorola 52nd Street Superfund Site Operable Unit 3 Study Area, Phoenix, Arizona.*

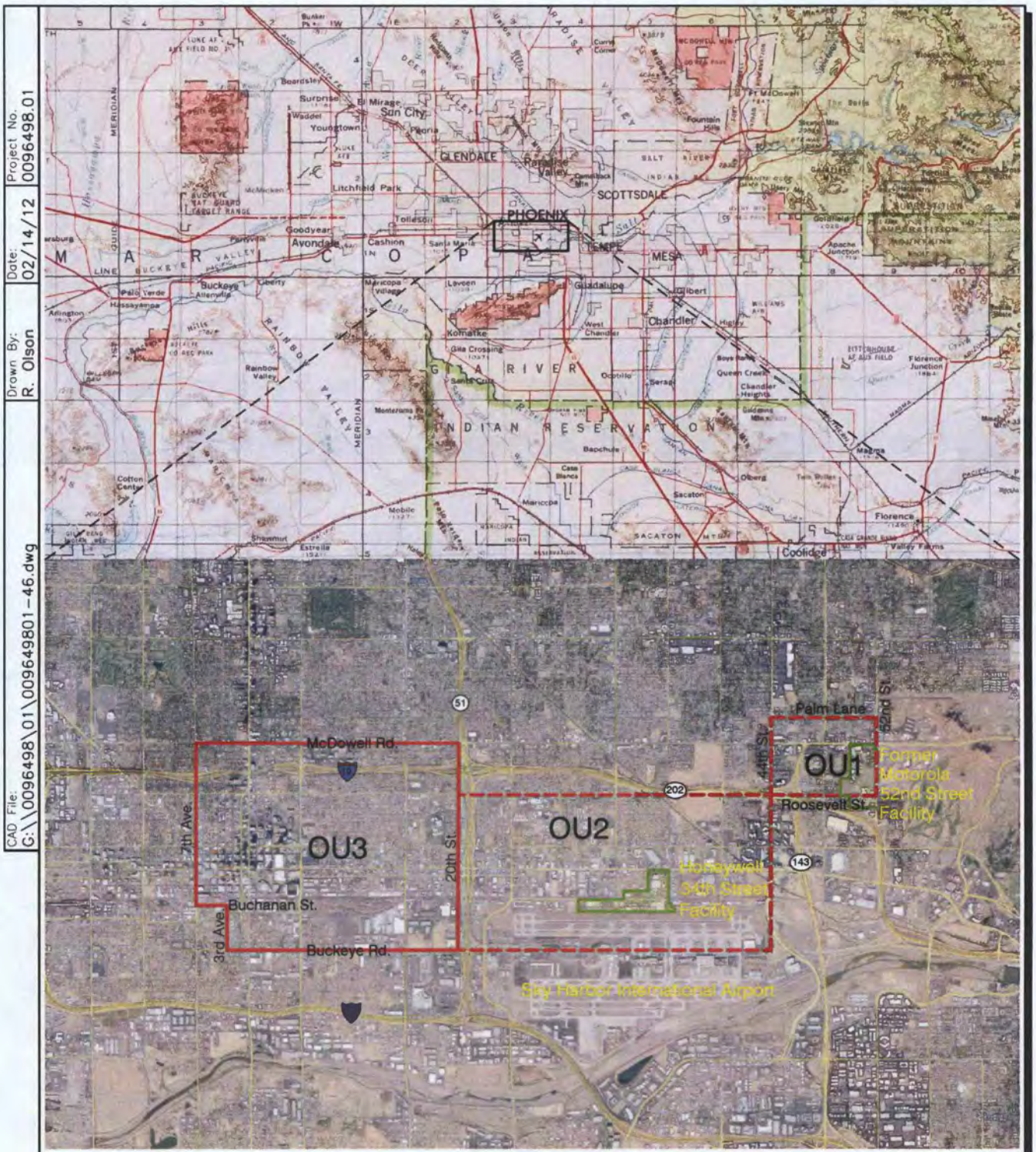
Shaw Environmental, Inc. 2010. *Groundwater Monitoring Report for Motorola 52nd Street Superfund Site Operable Unit 3 Study Area Phoenix, Arizona, September 2009.* Document Control Number: ACE12-274-H.

United States Environmental Protection Agency (US EPA). 2007. *US EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, Update IV.*

US EPA. 2008. *US EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review.* EPA-540-R-08-01.

US EPA. 2009. *Administrative Settlement Agreement and Order on Consent for Remedial Investigation and Feasibility Study.* EPA Region IX. Docket No. 2008-17.

Figures



References:
TOPO!® 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
CAD File: G:\0096498\029\00964982 9-22.dwg

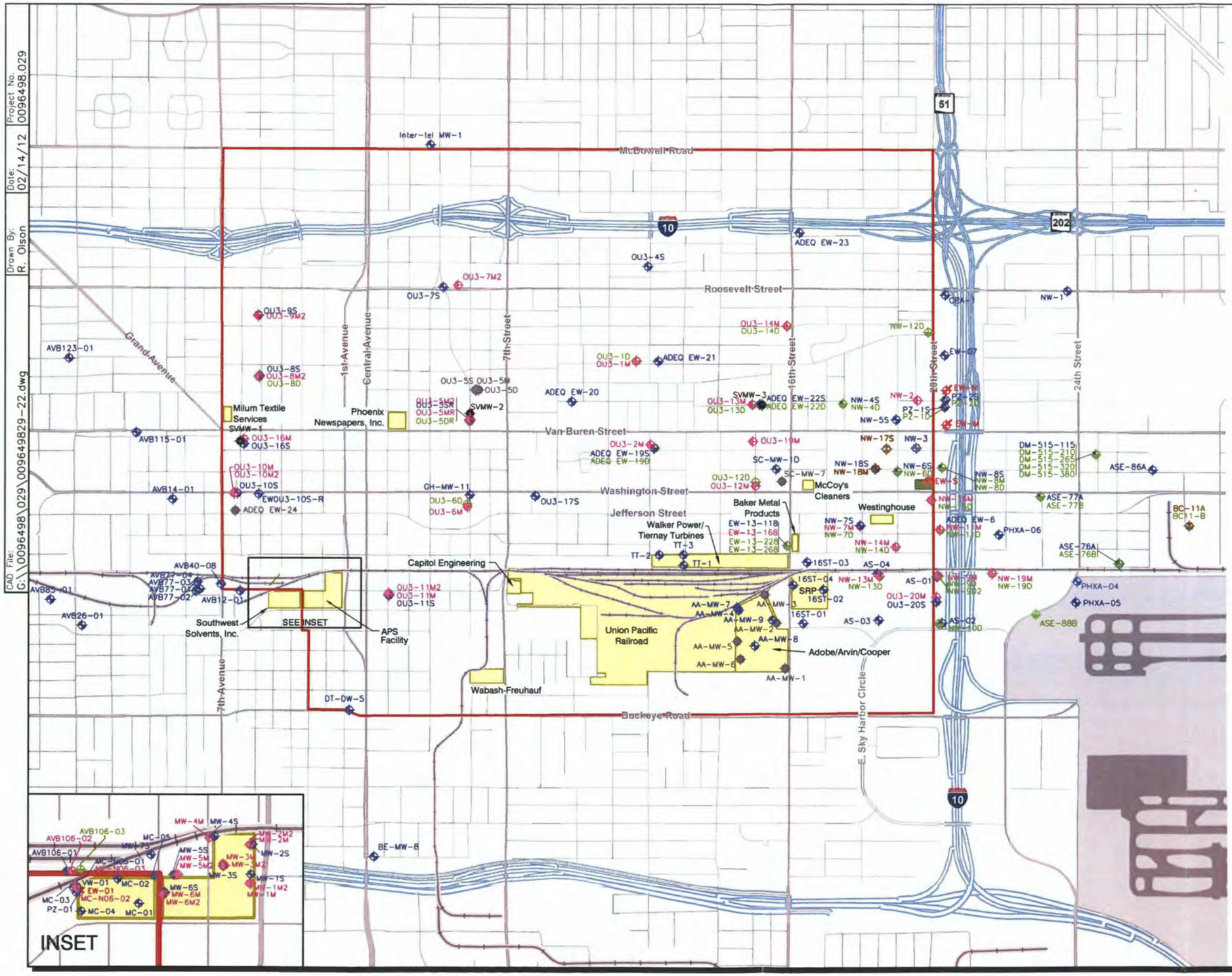
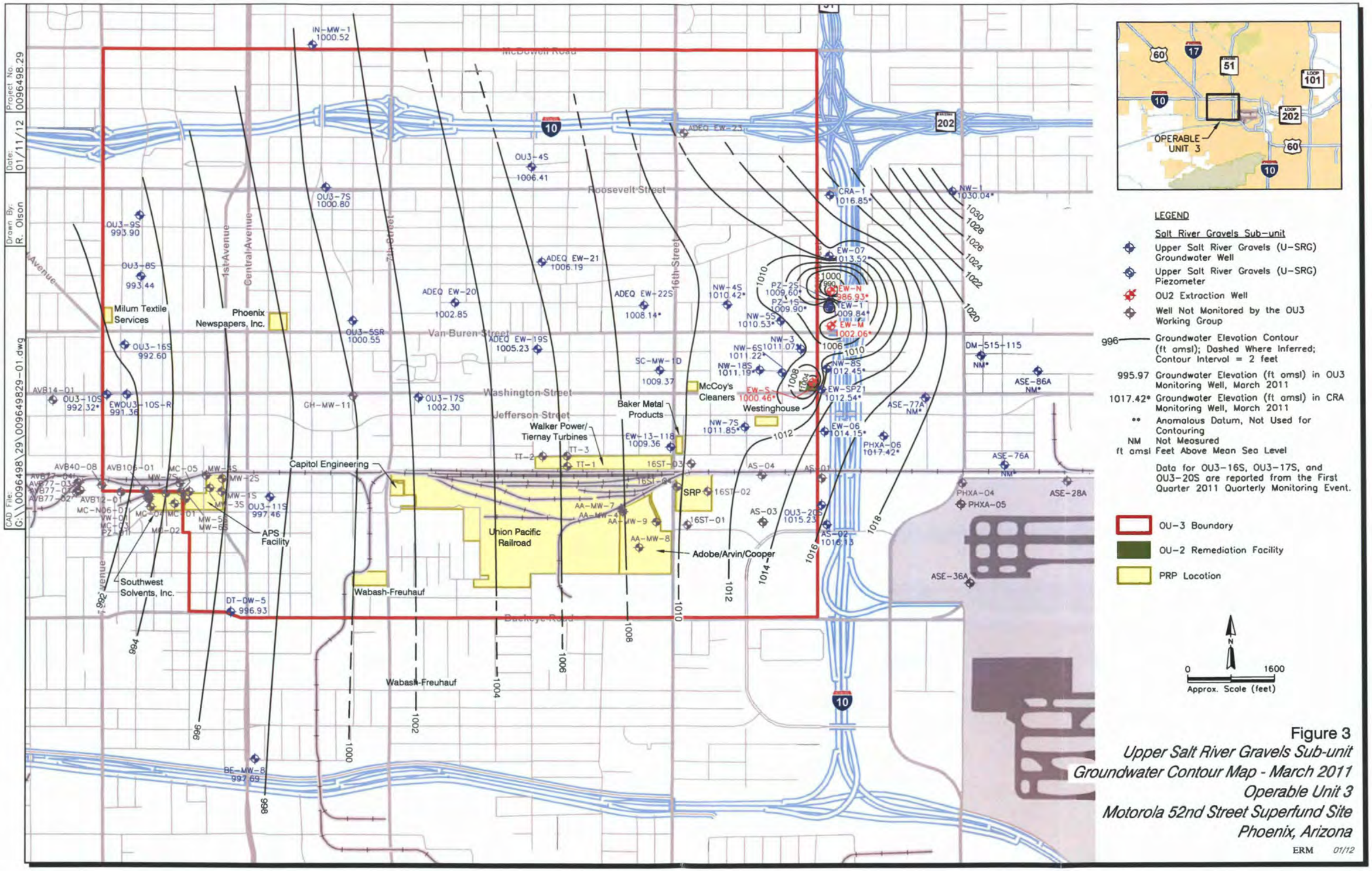


Figure 2
Well Locations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona
ERM 02/12

Project No. 0096498.29
Date: 01/11/12
Drawn By: R. Olson
CAD File: C:\0096498\29\009649829-01.dwg



LEGEND

Salt River Gravels Sub-unit

- Upper Salt River Gravels (U-SRG) Groundwater Well
- Upper Salt River Gravels (U-SRG) Piezometer
- OU2 Extraction Well
- Well Not Monitored by the OU3 Working Group
- 996 Groundwater Elevation Contour (ft amsl); Dashed Where Inferred; Contour Intervol = 2 feet
- 995.97 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, March 2011
- 1017.42* Groundwater Elevation (ft amsl) in CRA Monitoring Well, March 2011
- ** Anomalous Datum, Not Used for Contouring
- NM Not Measured
- ft amsl Feet Above Mean Sea Level

Data for OU3-16S, OU3-17S, and OU3-20S are reported from the First Quarter 2011 Quarterly Monitoring Event.

- OU-3 Boundary
- OU-2 Remediation Facility
- PRP Locotion

N

0 1600

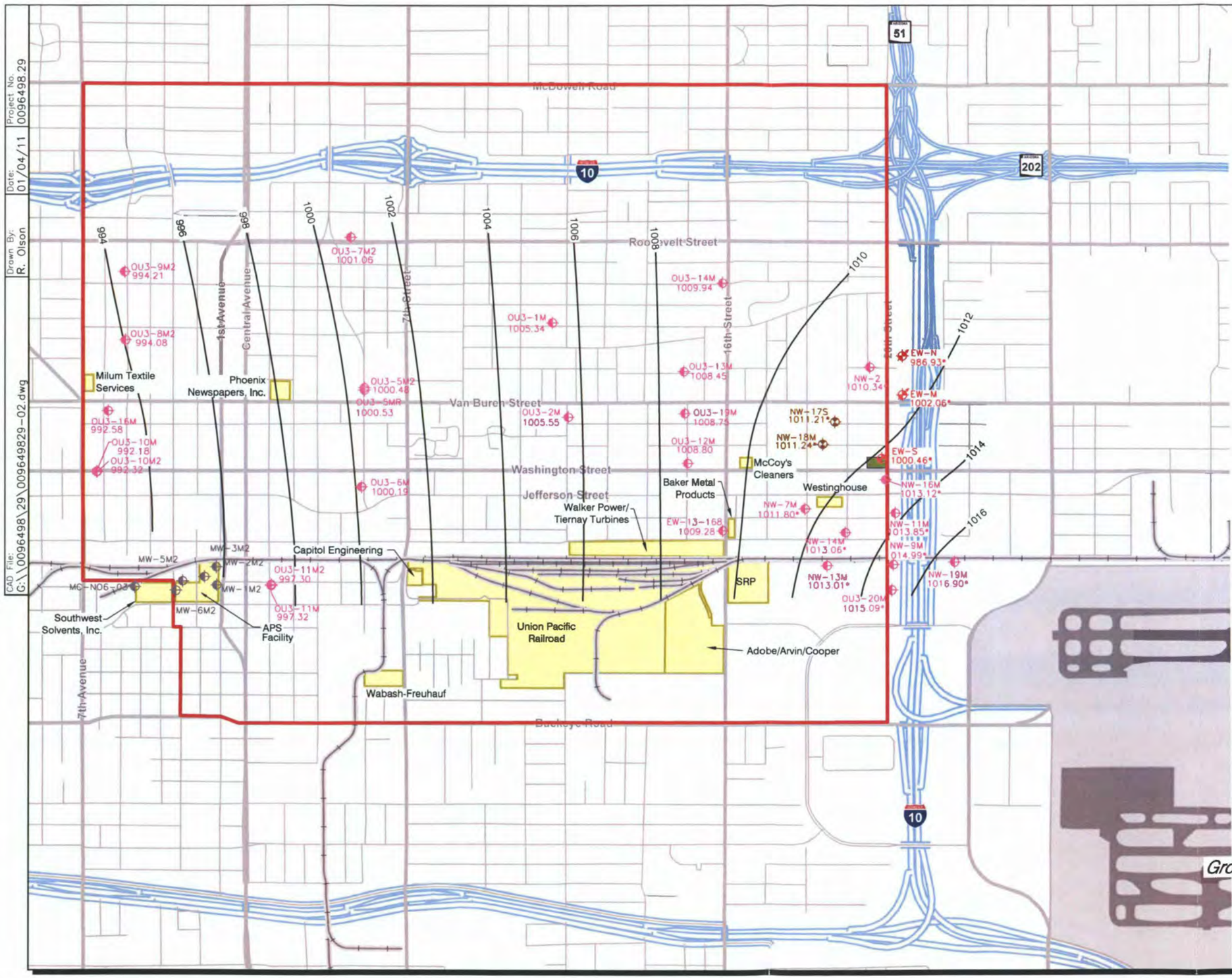
Approx. Scale (feet)

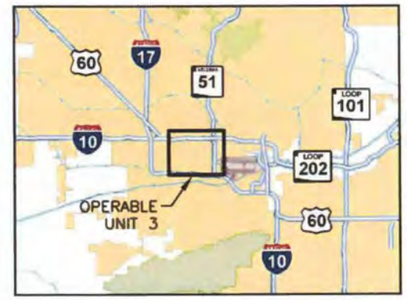
Figure 3

Upper Salt River Gravels Sub-unit Groundwater Contour Map - March 2011 Operable Unit 3 Motorola 52nd Street Superfund Site Phoenix, Arizona

ERM 01/12

Project No. 0096498.29
Date: 01/04/11
Drawn By: R. Olson
CAD File: G:\0096498\29\0096498290649829-02.dwg





LEGEND

Lower Salt River Gravels Sub-unit

- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- OU2 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
- 995.64 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, March 2011
- 1013.12* Groundwater Elevation (ft amsl) in CRA Monitoring Well, March 2011
- NM Not Measured
- ** Not Used for Contouring
- ft amsl Feet Above Mean Seo Level

Data for OU3-16M, OU3-19M, and OU3-20M are reported from the First Quarter 2011 Quarterly Monitoring Event.

- OU-3 Boundary
- OU-2 Remediation Facility
- PRP Location

N

0 1600

Approx. Scale (feet)

Figure 4

Lower Salt River Gravels Sub-unit
Groundwater Contour Map - March 2011
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 01/12

Project No. 0096498.29
Date: 01/13/12
Drawn By: R. Olson
CAD File: G:\0096498\29\009649829-03.dwg

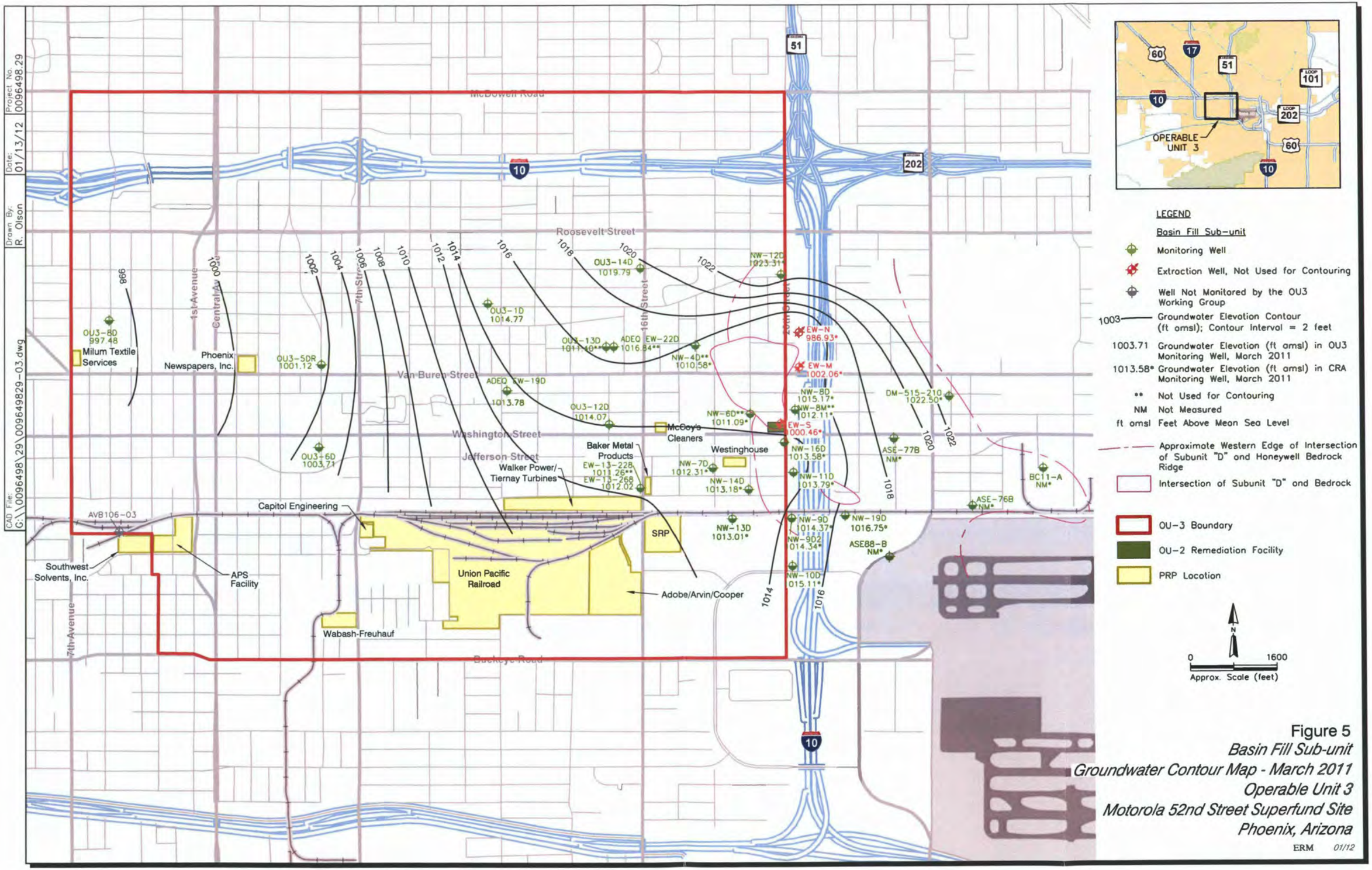
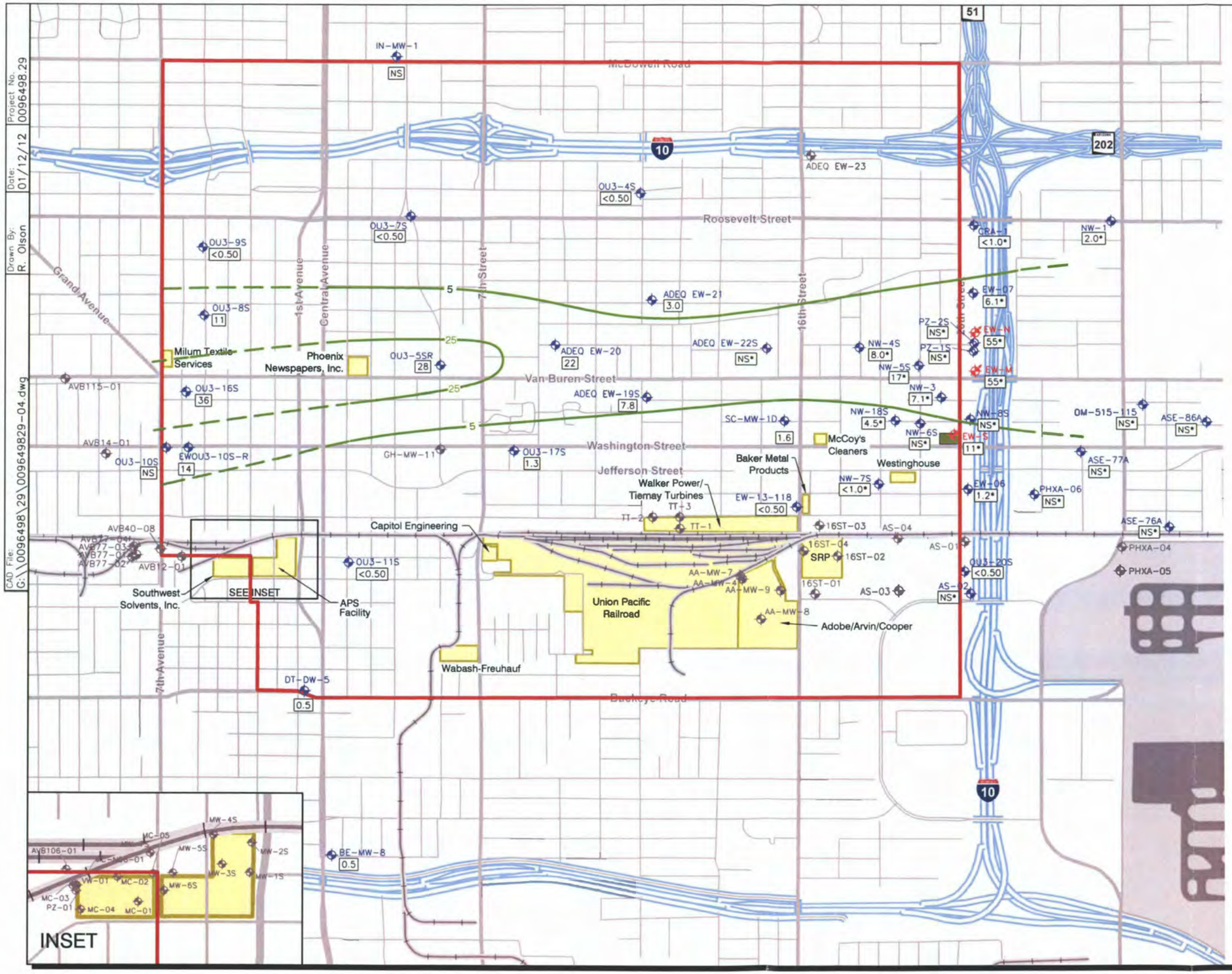


Figure 5
Basin Fill Sub-unit
Groundwater Contour Map - March 2011
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona
ERM 01/12

Project No. 0096498.29
Date: 01/12/12
Drawn By: R. Olson
CAD File: G:\0096498\29\0096498290649829-04.dwg



LEGEND:

Salt River Gravels Sub-unit

- Upper Salt River Gravels (U-SRG) Groundwater Well
- Upper Salt River Gravels (U-SRG) Piezometer
- OU2 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 2011
- 1.6* — TCE Concentration in CRA Monitoring Well, March 2011

Data for OU3-16S, OU3-17S, and OU3-20S are reported from the First Quarter 2011 Quarterly Monitoring Event.

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

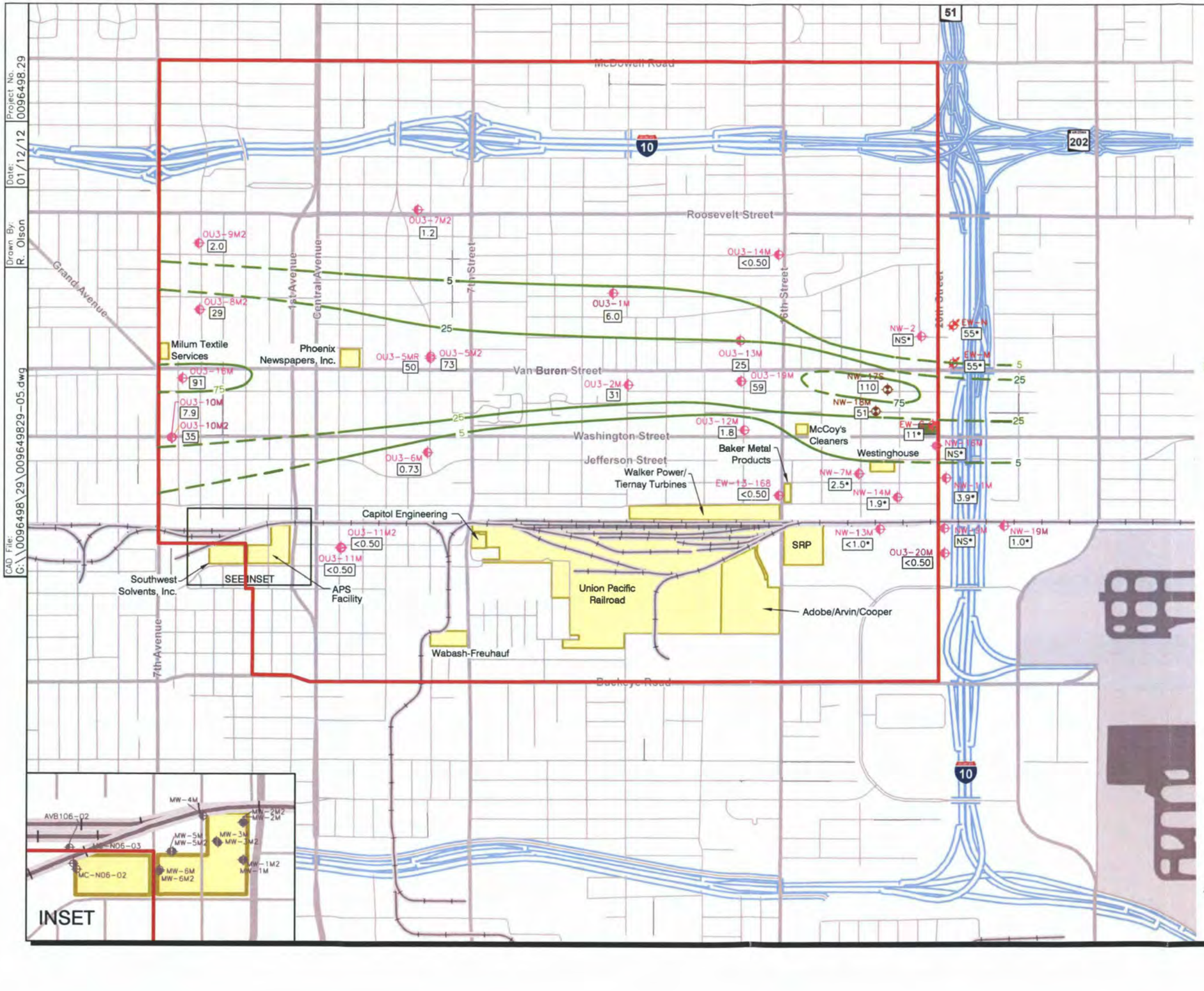
- OU-3 Boundary
- OU-2 Remediation Facility
- PRP Location

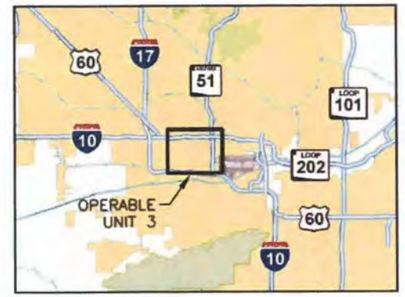
Figure 6

Upper Salt River Gravels Sub-unit
TCE Contour Map - March 2011
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 01/12

Project No: 0096498.29
Date: 01/12/12
Drawn By: R. Olson
CAD File: G:\0096498\29\009649829-05.dwg





LEGEND

Lower Salt River Gravels Sub-unit

- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- 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 2011
- 1.9* — TCE Concentration in CRA Monitoring Well, March 2011

Data for OU3-16M, OU3-19M, and OU3-20M are reported from the First Quarter 2011 Quarterly Monitoring Event.

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

- OU-3 Boundary
- OU-2 Remediation Facility
- PRP Location

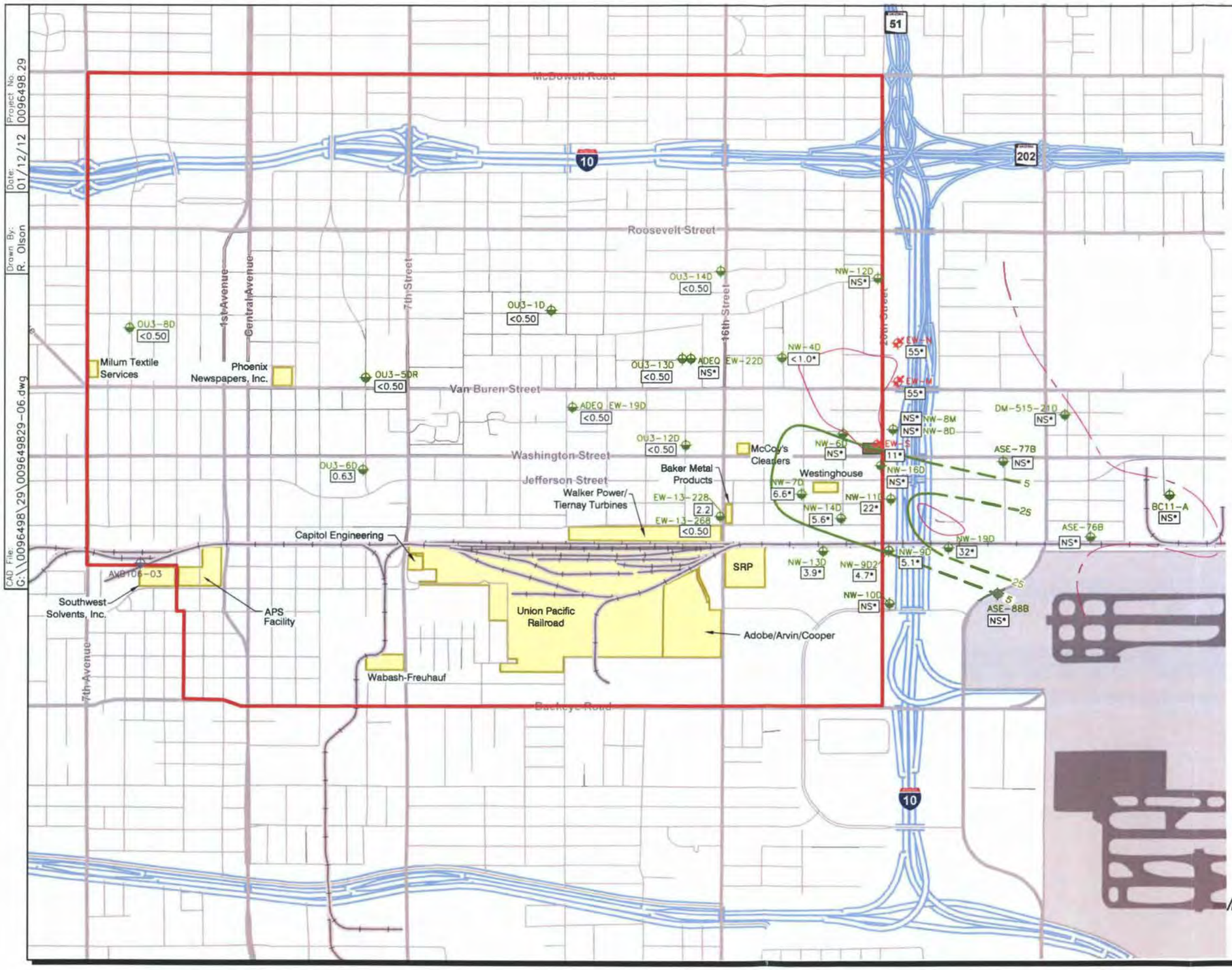
N

0 1600
Approx. Scale (feet)

Figure 7
Lower Salt River Gravels Sub-unit
TCE Contour Map - March 2011
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 01/12

Project No. 0096498.29
Date: 01/12/12
Drawn By: R. Olson
CAD File: G:\0096498\29\0096498829-06.dwg



LEGEND

Basin Fill Sub-unit

- Monitoring Well
- OU2 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 2011
- 2.1* — TCE Concentration in CRA Monitoring Well, March 2011
- Approximate Western Edge of Intersection of Subunit "D" and Honeywell Bedrock Ridge
- Intersection of Subunit "D" 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

- OU-3 Boundary
- OU-2 Remediation Facility
- PRP Location

N

0 1600
Approx. Scale (feet)

Figure 8
Basin Fill Sub-unit
TCE Contour Map - March 2011
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

ERM 01/12

Tables

Table 2

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

Well ID	Hydrostratigraphic Zone[1,2]	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-13-188	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	-112.0476	1092.71	264.5	269.5	309	4
EW-19S	U-SRG	33.4504	-112.0561	1087.32	57	107	112	4
EW-19D	BF	33 4504	-112.0561	1087 34	247	267	270	4
EW-20	U-SRG	33.4528	-112.0581	1091.38	59	109	109	4
EW-21	U-SRG	33.4548	-112.0558	1094.24	58	108	108	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
OU3-11S	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
OU3-11M2	L-SRG	33 4429	-112 0723	1078.05	196.7	216.7	230	4
OU3-12M	L-SRG	33.4485	-112.0498	1090.79	146.7	166.7	170	4
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

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

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

[1]Hydrostratigraphic zones are from the Sitewide Lithology Table revised June 6, 2011

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

Table 3

March 2011 Sampling Event
Groundwater Elevations Summary
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1,2]	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 2010)
BE-MW-8	U-SRG	3/7/2011	1,076 35	75-105	78 66	997 69	8 94
DT-DW-5	U-SRG	3/7/2011	1,077 90	59-99	80 97	996.93	5.15
EWOU3-10S-R	U-SRG	3/7/2011	1,081 62	60-100	90 26	991 36	6 75
EW-13-118	U-SRG	3/18/2011	1,092 71	114 5-119 5	83 35	1,009.36	-2.21
EW-13-188	L-SRG	3/18/2011	1,092 71	164 5-169.5	83.43	1,009.28	-2.44
EW-13-228	BF	3/18/2011	1,092 71	224 5-229 5	81 45	1,011 26	-2.31
EW-13-288	BF	3/18/2011	1,092 71	264 5-289 5	80 69	1,012.02	-2 12
EW-19S	U-SRG	3/7/2011	1,087 32	57-107	82 09	1,005 23	1 08
EW-19D	BF	3/7/2011	1,087.34	247-267	73.56	1,013 78	3 11
EW-20	U-SRG	3/7/2011	1,091.38	59-109	88 53	1,002 85	1 84
EW-21	U-SRG	3/7/2011	1,094 24	58-108	88 05	1,006.19	1.00
IN-MW-1	U-SRG	3/7/2011	1,088 38	70-90	87 86	1,000 52	0 41
SC-MW-1D	U-SRG	3/7/2011	1,092 39	83-123	83 02	1,009.37	-0.17
OU3-1M	L-SRG	3/7/2011	1,093 30	140-160	87.96	1,005 34	1.07
OU3-1D	BF	3/7/2011	1,093 09	235-255	78 32	1,014 77	2.52
OU3-2M	L-SRG	3/7/2011	1,094 74	59 2-110	82 45	1,005 55	1.07
OU3-4S	U-SRG	3/7/2011	1,094 74	59 2-110	88 33	1,006 41	0.92
OU3-5SR	U-SRG	3/7/2011	1,087.28	69.7-119.7	86.73	1,000 55	2 91
OU3-5MR	L-SRG	3/7/2011	1,087 37	148.7-168.7	86.84	1,000.53	2.97
OU3-5M2	L-SRG	3/7/2011	1,087 24	202.7-222.7	86.76	1,000.48	3.02
OU3-5DR	BF	3/7/2011	1,087.35	232.7-252 7	86.23	1,001.12	-1.25
OU3-6M	L-SRG	3/7/2011	1,083 66	152-172	83.47	1,000 19	3 65
OU3-6D	BF	3/7/2011	1,083 77	230-250	80 06	1,003.71	3 78
OU3-7S	U-SRG	3/7/2011	1,085.29	60-110	84.49	1,000 80	4 11
OU3-7M2	L-SRG	3/7/2011	1,085 59	195-215	84 53	1,001.06	2 10
OU3-8S	U-SRG	3/7/2011	1,080.05	59 9-110 5	86 61	993.44	5 36
OU3-8M2	L-SRG	3/7/2011	1,080 39	205 5-225 6	86 31	994 08	5 20
OU3-8D	BF	3/7/2011	1,080 00	260.5-270	82 52	997.48	6.39
OU3-9S	U-SRG	3/7/2011	1,080 55	59 6-110 2	86 65	993 90	4 18
OU3-9M2	L-SRG	3/7/2011	1,080.74	219.7-229.7	86 53	994 21	4 68
OU3-10M	L-SRG	3/7/2011	1,082 25	146 7-166 7	90 07	992 18	7.06
OU3-10M2	L-SRG	3/7/2011	1,082 29	199 2-219 2	89.97	992 32	6.90
OU3-11S	U-SRG	3/7/2011	1,078 26	69.7-119.7	80.80	997 46	5 15
OU3-11M	L-SRG	3/7/2011	1,078 25	153.7-173 7	80 93	997 32	5.12
OU3-11M2	L-SRG	3/7/2011	1,078 05	196.7-216 7	80 75	997 30	5.37
OU3-12M	L-SRG	3/7/2011	1,090.79	146.7-166 7	81.99	1,008 80	0.02
OU3-12D	BF	3/7/2011	1,090 77	245.6-265 6	76 70	1,014 07	1.28
OU3-13M	L-SRG	3/7/2011	1,095 75	154 7-174 7	87 30	1,008 45	0 21
OU3-13D	BF	3/7/2011	1,095 71	224 7-244 7	84 31	1,011 40	0 74
OU3-14M	L-SRG	3/7/2011	1,099 05	145.7-165 7	89 11	1,009 94	0 08
OU3-14D	BF	3/7/2011	1,099.14	231 2-251.2	79.35	1,019 79	8 46

Notes:

amsl = above mean sea level
btoc = below top of casing
bgs = below ground surface
ft = feet
U = Upper Salt River Gravels Sub-unit
L = 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 2009)

[1]Hydrostratigraphic zones are from the Sitewide Lithology Table revised June 6, 2011

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

Table 6

March 2011 Sampling Event
Analytical Data Summary
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well ID	Hydrostratigraphic Zone[1,2]	Sample Date	Screened Interval	TCE	PCE	1,2-DCE	1,1-DCA	1,1-DCE	1,4-Dioxane
Units			ft bgs	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
AWQS				5	5	70	NA	7	NA
BE-MW-8	U-SRG	3/8/2011	75-105	0 5	8.8	<0.50	<0.50	<0 50	<1.0
DT-DW-5	U-SRG	3/8/2011	59-99	0 5	<0 50	<0.50	<0 50	<0 50	1 1
EWOU3-10S-R	U-SRG	3/15/2011	60-100	14	0 83	2 8 J	2 2	2.1 J	1.3
EW-13-118	U-SRG	3/16/2011	114.5-119 5	<0 50	<0.50	<0 50	<0 50	<0 50	<1.0
EW-13-188	L-SRG	3/16/2011	184.5-189 5	<0 50	<0 50	<0 50	<0 50	<0 50	<1 0
EW-13-228	BF	3/16/2011	224 5-229 5	2 2	<0 50	<0 50	<0 50	<0 50	<1.0
EW-13-288	BF	3/16/2011	284 5-289 5	<0 50	<0 50	<0 50	<0 50	<0 50	<1.0
EW-19S	U-SRG	3/15/2011	57-107	7.8	<0 50	2 3 J	1 8	3.1 J	1 4
EW-19D	BF	3/14/2011	247-267	<0 50	<0.50	<0 50	<0 50	<0 50	<1.0
EW-20	U-SRG	3/17/2011	59-109	22	1.0	5.0 J	3 1	3.2	1 7
EW-21	U-SRG	3/8/2011	58-108	3 0	<0.50	<0 50	<0 50	<0 50	<1 0
EW-21-Q1 (EW-21 Duplicate)	U-SRG	3/8/2011	58-108	3.0	<0.50	<0 50	<0 50	<0.50	<1 0
IN-MW-1	U-SRG	--	70-90	--	--	--	--	--	--
SC-MW-1D	U-SRG	3/9/2011	83-123	1 8	<0.50	<0 50	0 83	0.84	<1.0
OU3-1M	L-SRG	3/10/2011	140-160	6.0	<0.50	0 88	<0 50	<0.50	<1 0
OU3-1D	BF	3/10/2011	235-255	<0.50	<0.50	<0 50	<0 50	<0.50	<1.0
OU3-2M	L-SRG	3/14/2011	59.2-110	31	1 4	6 8	4 5	7.4	2 0
OU3-4S	U-SRG	3/8/2011	59.2-110	<0.50	3 3	<0 50	<0 50	<0 50	<1 0
OU3-5SR	U-SRG	3/16/2011	89 7-119 7	28	1 4	6 5 J	3 9	4 6 J	<1 0 J[1]
OU3-5MR	L-SRG	3/16/2011	148 7-168 7	50	2 3	10 J	5.1	7.0 J	2.3
OU3-5M2	L-SRG	3/16/2011	202 7-222 7	73	3.2	14 J	5 8	8.7 J	2.8
OU3-5DR	BF	3/16/2011	232 7-252 7	<0 50	<0 50	<0.5 UJ	<0.50	<0 50 UJ	<1 0
OU3-6M	L-SRG	3/14/2011	152-172	0.73	<0 50	<0 50	<0 50	<0.50	<1 0
OU3-6D	BF	3/14/2011	230-250	0.83	<0.50	<0.50	<0 50	<0 50	<1 0
OU3-7S	U-SRG	3/10/2011	80-110	<0.50	2.6	<0 50	<0 50	<0 50	<1.0
OU3-7M2	L-SRG	3/10/2011	195-215	1 2	1 4	<0 50	<0 50	<0 50	<1 0
OU3-8S	U-SRG	3/11/2011	59 9-110 5	11	0 91	1 5	<0 50	<0 50	<1.1
OU3-8M2	L-SRG	3/11/2011	205 5-225 6	29	0.97	3 6	<0.50	<0 50	<1 0
OU3-8D	BF	3/11/2011	260 5-270	<0 50	<0.50	<0.50	<0 50	<0 50	<1.0
OU3-9S	U-SRG	3/11/2011	59 6-110 2	<0 50	1.9	<0.50	<0 50	<0 50 J[1]	<1.0
OU3-9M2	L-SRG	3/11/2011	219 7-229.7	2 0	2.4	<0 50	<0 50	<0 50	<1.0
OU3-10M	L-SRG	3/15/2011	146.7-166 7	7.9	<0 50	2 0 J	1.9	2 7 J	1 5
OU3-10M2	L-SRG	3/15/2011	199 2-219 2	35	1 5	7 5 J	6 1	11 J	3 8
OU3-11S	U-SRG	3/8/2011	89 7-119.7	<0 50	1.6	<0.50	<0 50	<0.50	<1 0
OU3-11M	L-SRG	3/8/2011	153.7-173 7	<0.50	<0 50	<0 50	<0 50	<0 50	1.1
OU3-11M2	L-SRG	3/8/2011	196.7-216 7	<0.50	<0.50	<0.50	<0.50	<0 50	1.0
OU3-12M	L-SRG	3/9/2011	146.7-166.7	1 8	<0.50	<0.50	<0.50	0 94	<1 0
OU3-12D	BF	3/9/2011	245.6-265 6	<0.50	<0.50	<0.50	<0 50	<0 50	<1.0
OU3-13M	L-SRG	3/17/2011	154 7-174.7	25	<0 50	2 4 J	<0.50	<0 50	<1 0
OU3-13M-Q1 (OU3-13M Duplicate)	L-SRG	3/17/2011	154.7-174.7	24	0 55	2.4 J	<0 50	<0.50	<1 0
OU3-13D	BF	3/17/2011	224 7-244 7	<0 50	<0.50	<0.50 UJ	<0.50	<0.50	<1 0
OU3-14M	L-SRG	3/9/2011	145.7-165 7	<0.50	<0.50	<0.50	<0 50	<0 50	<1.0
OU3-14D	BF	3/9/2011	231 2-251 2	<0 50	<0 50	<0.50	<0.50	<0 50	<1 0

Notes:

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
amsl = above mean sea level
AWQS = Arizona Water Quality Standards
BOLD = greater than or equal to the AWQS
EPA = Environmental Protection Agency
ft = feet
bgs = below ground surface

< = concentration is less than indicated detectable value
ug/L = micrograms per liter
NA = not applicable or no standard
-- = not sampled
UJ = indicates a nondetect result estimated at the laboratory report limit
J = indicates an estimated detect result
J[1] = indicates a nondetect result flagged as an estimated detect result, as per data validation report
Q1 = sample is field duplicate
Well information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc. (Shaw 2009)
[1]Hydrostratigraphic zones are from the Sitewide Lithology Table revised June 8, 2011
[2]Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of SRG and BF they are classified as SRG wells for mapping purposes.

U = Upper Salt River Gravels Sub-unit
L = Lower Salt River Gravels Sub-unit
BF = Basin Fill Sub-unit

Table 7

March 2011 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	Revised Hydrostratigraphic Zone	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	--	1016 13	--
ASE-76A	U-SRG	1105 42	80	130	130	--	--
ASE-76B	BF	1105.34	180	230	265	--	--
ASE-77A	U-SRG	1101.86	85	115	115	--	--
ASE-77B	BF	1101.76	180	230	258	--	--
ASE-86A	U-SRG	1106.07	86	126	--	--	--
ASE-88B	BF	1103.08	175	215	230	--	--
BC11-A	CV	1111 21	225	240	--	--	--
BC11-B	BF	1111 25	135	160	--	--	--
CRA-1	U-SRG	1106.48	105.5	125 5	270	1016 85	<1.0
DM-515-115	U-SRG	1103.61	115	--	--	--	--
DM-515-210	BF	1103.61	210	--	--	1022.50	--
EW-06	U-SRG	1097.57	61	111	112	1014.15	1 2
EW-07	U-SRG	1104.99	78	128	129	1013.52	**6.1**
EW-22D	BF	1095.81	407	427	430	1016.84	--
EW-22S	U-SRG	1095.81	58	108	112	1008.14	--
EW-23	U-SRG	1101.41	57	107	109.5	--	--
EW-SPZ1	SRG* / BF	1098.26	118	208	--	1012.54	--
EW-M	SRG* / BF	1103.61	86	206	233	1002.06	**55**
EW-N	SRG* / BF	1110.78	100	220	240	986.93	**55**
EW-S	SRG* / BF / BR	1100.37	94	194	215	1000.46	**11**
NW-1	U-SRG	1112.22	90	110	211	1030.04	2.0
NW-2	L-SRG	1101.87	173	193	212	1010.34	--
NW-3	U-SRG	1097.16	120	140	158	1011 07	**7.1**
NW-4D	BF	1099.92	182 5	202.5	221	1010.58	<1.0
NW-4S	U-SRG	1099.96	90	130	221	1010.42	**8.0/8.0**
NW-5S	U-SRG	1099.98	88	128	147	1010.53	**17**
NW-6D	BF	1096 92	181.5	201.5	217.5	1011 09	--
NW-6S	U-SRG	1096.82	89 5	129.5	130	1011.22	--
NW-7D	BF	1094 21	215	235	298	1012.31	**6.6**
NW-7M	L-SRG	1093.94	180	200	--	1011.80	2.5/1 8
NW-7S	U-SRG	1094.19	89.5	129 5	130	1011.85	<1.0
NW-8D	BF	1098.72	224	244	248	1015.17	--
NW-8M	BF	1098.65	175	195	195	1012.11	--
NW-8S	U-SRG	1098.45	99	149	151	1012 45	--
NW-9D	BF	1099.58	210	230	230	1014 37	**5.1**

Table 7

March 2011 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	Revised Hydrostratigraphic Zone	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**
NW-9D2	BF	1099.58	240	260	270	1014 34	4.7
NW-9M	L-SRG	1099.42	170	190	--	1014.99	--
NW-10D	BF	1098.91	210	230	300	1015.11	--
NW-11D	BF	1097.69	210	230	287	1013.79	**22**
NW-11M	L-SRG	1097.59	173	193	193	1013.85	3.9
NW-12D	BF	1104.10	225	245	300	1023.31	--
NW-13D	BF	1096.11	215	235	--	1013.01	3.9
NW-13M	L-SRG	1095.75	175	195	--	1013.01	<1.0
NW-14D	BF	1099 62	215	235	--	1013.18	**5.6**
NW-14M	L-SRG	1099.05	175	195	--	1013.06	1.9
NW-16M	L-SRG	1097.92	155	175	--	1013.12	--
NW-16D	BF	1097.96	220	230	--	1013.58	--
NW-17S	CV	1096.75	130	145	--	1011.21	**110/110**
NW-18S	U-SRG	1094 78	90	130	--	1011.19	4.5
NW-18M	CV	1094 92	170	190	--	1011.24	**51**
NW-19M	L-SRG	1100.69	165	185	--	1016.90	1 0
NW-19D	BF	1100.50	205	220	--	1016.75	**32**
PHXA-06	U-SRG	1100.84	50	140	205	1017.42	--
PZ-1S	U-SRG	1102.41	99	119	258	1009 90	--
PZ-1D	BR	1102.69	217	237	--	1009.95	--
PZ-2S	U-SRG	1107.92	125	145	269	1009.60	--
PZ-2D	BR	1107.95	245	265	--	1009.62	--
TEW-1	U-SRG	1103.47	100	145	160	1009.84	--

Notes:

-- = no data
U-SRG = 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
J = estimated value
TCE = Trichloroethene
amsl = above mean sea level
BOLD = greater than or equal to the AWQS
AWQS = Arizona Water Quality Standards
Unless otherwise noted with astensk, revised stratigraphic zones are from Sitewide Lithology Table revised June 6, 2011.
Well construction, TCE, GW elevation data and data validation flags from *March though May 2011 Groundwater Monitoring Report - Operable Unit 2 Area* (CRA 2011)
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 L-SRG

Appendix A
Groundwater Sampling Field Forms

PID is in ppm
background PID = 0.1

GW Sampling Sheet

Well ID	Hydrostratigraphic Zone	TOC (ft msl)	Top of screen (ft bgs)	Bottom of Screen (ft bgs)	Total Depth (ft bgs)	well diameter (inches)	Mar-11 DTW ft bgs	Sep-10 DTW ft bgs	TCE (ug/L)	QA/QC	notes	(ppm) PID @ well head
BE-MW-8	Shallow	1076.35	75	105	105	4	78.66	80.38	0.6		field blank	0.3
DT-DW-5	Shallow	1077.9	59	99	99	2	80.97	85.11	0.67	level 3	bailer	0.3
EWOU3-10S-R	Shallow	1081.62	60	100	102	4	90.26	94.9	14		bailer	3.4
EW-13-11S	Shallow	1092.71	114.5	119.5	309	4		84.64	0.5 U			
EW-13-16S	Intermediate	1092.71	164.5	169.5	--	4		84.98	<0.5U			
EW-13-22S	Deep	1092.71	224.5	229.5	--	4		82.00	2.9			
EW-13-26S	Deep	1092.71	264.5	269.5	--	4		81.10	<0.5U			
EW-19D	Deep	1087.34	247	267	270	4	73.56	76.75	<0.5U			0.1
EW-19S	Shallow	1087.32	57	107	112	4	82.09	86.32	16	level 3	smear bailer	1.8
EW-20	Shallow	1091.38	59	109	109	4	84.53	92.83	34			3.5
EW-21	Shallow	1094.24	58	108	108	4	88.05	87.85	2.5	duplicate		0.8
GH-MW-11	Shallow	1083.3	50	100	100.9	4	83.43	89.95	<0.5U		Do not sample!!!!	2.9
IN-MW-1	Shallow	1088.38	70	90	90	4	88.86	dry	dry		usually dry	0.6
SC-MW-1D	Shallow	1092.39	83	123	125	4	83.03	86.95	2.6	level 3		0.1
SC-MW-7	Shallow	1091.25	45.5	90.5	91	4	NG	ng	NG		has been abandoned	
OU3-1D	Deep	1093.09	235	255	259	4	78.32	79.98	<0.5U			0.1
OU3-1M	Intermediate	1093.3	140	160	162	4	87.96	91.93	3.3	level 3		0.1
OU3-2M	Intermediate	1087.997	150	170	175	4	84.15	86.56	52			2.4
OU3-4S	Shallow	1094.74	59.2	110	110	4	88.33	91.95	<0.5U			0.3
OU3-5D	Deep	1083.77	230	250	261	4	80.06	83.89	0.52			0.2
OU3-6M	Intermediate	1083.66	152	172	172.5	4	83.47	87.91	1.3	ms/msd		0.2
OU3-7M2	Intermediate	1085.59	195	215	221	4	84.53	88.46	1.4			0.3
OU3-7S	Shallow	1085.29	60	110	112	4	84.49	88.45	<0.5U			0.3
OU3-8D	Deep	1080	260.5	270	273	4	82.52	86.59	<0.5U			0.4
OU3-8M2	Intermediate	1080.39	205.5	225.6	228	4	86.31	90.82	23	level 3		0.3
OU3-8S	Shallow	1080.05	59.9	110.5	110.5	4	86.61	90.05	8.9			0.5
OU3-9S	Shallow	1080.55	59.6	110.2	110.5	4	86.65	91.03	<0.5U			0.3
OU3-9M2	Intermediate	1087.24	202.7	222.7	253?	4	86.14	91.1	130			0.4
OU3-9M2	Intermediate	1080.74	219.7	229.7	235	4	86.53	89.92	2			0.4
OU3-10M	Intermediate	1082.26	146.7	166.7	170	4	90.07	94.7	21	ms/msd		0.3
OU3-10M2	Intermediate	1082.29	199.2	219.2	225	4	89.97	94.6	65			0.3
OU3-11M	Intermediate	1078.25	153.7	173.7	178	4	80.93	85.43	<0.5U			0.1
OU3-11M2	Intermediate	1078.05	196.7	216.7	230	4	80.75	85.26	<0.5U			0.2
OU3-11S	Shallow	1078.26	69.7	119.7	123	4	80.80	85.4	<0.5U			0.2
OU3-12D	Deep	1090.77	245.6	265.6	~~296~~ 270	4	76.70	79.73	<0.5U	level 3		0.1
OU3-12M	Intermediate	1090.79	148.7	168.7	170	4	81.91	85.98	2.7			0.1
OU3-13D	Deep	1095.71	224.7	244.7	250	4	84.31	87.76	<0.5U			0.1
OU3-13M	Intermediate	1095.75	154.7	174.7	175	4	87.30	91.1	51	duplicate		0.1
OU3-14D	Deep	1099.14	231.2	251.2	251.5	4	79.35	81.95	<0.5U	level 3	Pumps dry	0.1
OU3-14M	Intermediate	1099.05	145.7	165.7	168	4	89.11	92.6	<0.5U			0.1
OU3-5DR	Deep	1087.35	232.7	252.7	253	4	[illegible]	84.7	<0.5U			
OU3-5MR	Intermediate	1087.37	148.7	168.7	169	4	[illegible]	91.19	86	level 3		
OU3-6SR	Shallow	1087.28	69.7	119.7	120	4	86.13	91.02	39			0.4

One field blank on day 1
Equipment rinsate each day
PE sample submittal

Level III is on separate chain!

ERM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M2

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

Project: OU3
Project Number: 0096498.009
Sample Date: 3/8
Sample Time: 0858

Screened Interval: 196.7-216.7
Measured Well Depth (ft): ~~228~~ 229
Well Inner Diameter (in): 4
Initial Depth to Water (ft): 80.75
Length of Water Column (ft): 149.25
1 Well Volume (gal): 97.5 x3 = 292

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: K. Johnson / A. Nagle
Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ Pump
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (~~ppt~~) mg/L	Temperature (C)	ORP (mV)
3/8	0826	0	80.75	3.86	1.34	58.0	2.00	24.12	192
	0836	118	87.05	4.00	1.35	68.3	1.64	24.48	183
	0840	168	87.13	4.31	1.35	73.1	1.62	24.58	180
	0850	218	87.17	4.35	1.34	65.5	1.59	24.69	178
	0858	292	87.25	4.37	1.34	31.8	1.61	24.76	176

Volume Purged Prior to Sample Collection: 342 (tot.)
Depth to Water during Sample Collection: 87.25

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260B	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 9.2 gpm

154847
↓
OU3-11M2-M2-030811 155139 155189

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M

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

Project: OU3 Sample Date: 3/8
Project Number: 0096498.009 Sample Time: 1010

Screened Interval: 153.7 - 173.7 Initial Depth to Water (ft): 80.93
Measured Well Depth (ft): 178.5 Length of Water Column (ft): 97.07
Well Inner Diameter (in): 4 1 Well Volume (gal): 63.4 x 3 = 190

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: K. Johnson / A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ Pump @ 158'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ Pump

Stabilization Test:

Date	Time	Cummulative Volume (gal)	Depth to Water (ft)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen ~~(ppt)~~ mg/L	Temperature (C)	ORP (mV)
3/8	~~0932~~	~~80~~ 0	80.06	4.66	1.29	103	2.31	24.09	164
	0937	20	81.40	4.72	1.31	46.5	1.30	23.33	159
	0942	40	81.45	4.75	1.29	5.2	1.21	23.78	160
	0948	~~80~~ 60	81.45	4.73	1.28	3.7	1.13	24.36	146
	0953	80	81.47	4.77	1.28	0.3	1.02	24.36	134
	0958	~~100~~ 100	81.47	4.81	1.28	0.2	1.02	24.79	129
	1003	160	81.47	4.82	1.23	0.2	1.07	24.76	128
	1010	200	81.47	4.84	1.28	0.1	1.00	24.70	127
		~~200~~							

Volume Purged Prior to Sample Collection: 200 / 230 (int) Depth to Water during Sample Collection: 81.48

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOCs 8260B	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: ~4 gpm 340.3 Hz ~~1550~~ 530

OU3-11M-M-030811

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-115

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

Project: OU3 Sample Date: 3/8

Project Number: 0096498.009 Sample Time: 1122

Screened Interval: 69.7 - 119.7 Initial Depth to Water (ft): 80.80

Measured Well Depth (ft): 122.7 Length of Water Column (ft): 42.2

Well Inner Diameter (in): 4 1 Well Volume (gal): 27.5 x 3 = 82.7

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: K. Johnson / A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 114'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/8	~~1102~~ 1122 ~~1055~~	0	80.94	4.88	1.34	137	2.18	21.77	180
	1107	20	82.07	5.03	1.72	75.1	3.78	25.46	164
	1112	40	82.07	5.07	1.72	66.2	4.19	25.58	158
	1117	60	82.07	5.08	1.72	53.0	4.35	25.51	157
	1122	80	82.07	5.09	1.70	18.8	4.21	25.77	157

Volume Purged Prior to Sample Collection: 84 / 96 Depth to Water during Sample Collection: 82.07

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260B	3 40mL	HCl
1,4 Dioxane 8270	2 1L	—

Remarks: ~4 gpm 345.3 lbs

OU3-115-S-030811

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: BE-MW-8

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

Project: 003 Sample Date: 3/8

Project Number: 0096498.009 Sample Time: 1221

Screened Interval: 75-105 Initial Depth to Water (ft): 78.66

Measured Well Depth (ft): 105.9 Length of Water Column (ft): 26.34

Well Inner Diameter (in): 4 1 Well Volume (gal): 17.2×3 = 51.6

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: K Johnson / A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 100'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/8	1206	0	77.75	5.08	1.48	2.3	4.55	24.14	174
	1211	20	77.83	5.10	1.46	0.1	2.55	24.77	147
	1216	40	77.83	5.12	1.47	0.2	1.19	24.89	130
	1221	60	77.81	5.12	1.48	0.2	1.15	24.19	127

Volume Purged Prior to Sample Collection: 60/ 80 (est.) Depth to Water during Sample Collection: 77.85

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260B	3x40mL	HCl
1,4-dioxane 8270	2x1L	—

Remarks: Field Blank ~4gpm 344.5hz

1221 1222
BE-MW-8-S-030811 / BE-MW-8-S-030811-R1

ERM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-45

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

Project: OU3 Sample Date: 3/8
Project Number: 0096498.009 Sample Time: 1407

Screened Interval: 59.2-110 Initial Depth to Water (ft): 88.53
Measured Well Depth (ft): ~~[illegible]~~ 110.2 Length of Water Column (ft): 21.67
Well Inner Diameter (in): 4 1 Well Volume (gal): 14.15 x 3 = 42.5

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 105'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/8	1353	0	88.59	5.16	1.60	118	2.07	25.70	162
	1358	20	88.60	5.32	2.23	109	2.52	26.18	148
	1403	40	88.60	5.34	2.85	33.2	2.59	26.38	142
	1407	55	88.60	5.33	2.81	31.8	2.61	26.81	140

Volume Purged Prior to Sample Collection: 55/65 (tot) Depth to Water during Sample Collection: 88.60

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	1x2L	--

Remarks: ~1/gpm
344.8 hz

OU3-45-S-030811

No

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-21

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

Project: OU3 Sample Date: 3/8

Project Number: 0096498.009 Sample Time: 1500

Screened Interval: 58-108 Initial Depth to Water (ft): 88.05

Measured Well Depth (ft): 108.6 Length of Water Column (ft): 19.95

Well Inner Diameter (in): 4 1 Well Volume (gal): 13.03 x 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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 103'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/8	1440	0	88.50	5.21	2.61	114	5.96	25.72	78
	1445	20	88.65	5.31	2.58	15.7	5.10	25.47	69
	1450	40	80.65	5.33	2.61	0.4	5.09	25.45	75
	1500	60	80.65	5.33	2.60	0.1	5.01	25.40	77

Volume Purged Prior to Sample Collection: 60/80 (Hot) Depth to Water during Sample Collection: 80.65

Analysis/Parameter	Container/Volume	Preservative/Preparation

Remarks: Duplicate @ 1500
Rinsate

EW-21-S-030811 / EW-21-S-030811-Q1
1500 1500

EW-21-S-030811-EB
1501

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: DT-DW-5

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

Project: OU3 Sample Date: 3/8

Project Number: 0096498.009 Sample Time: 1620

Screened Interval: 59-99 Initial Depth to Water (ft): 80.92

Measured Well Depth (ft): 98.7 Length of Water Column (ft): 18.03

Well Inner Diameter (in): 2 1 Well Volume (gal): 2.9 x 3 = 8

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: K. Johnson, A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Bailer

Stabilization Test Equipment: N/A

Sampling Method/Equipment: 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)
3/8	1610	8	—	6.87	1.48	39.7	4.98	25.72	161

Volume Purged Prior to Sample Collection: 8 Depth to Water during Sample Collection: —

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	3x40mL	HCl
1,4 Dioxane	2x1L	—

Remarks:

DT-DW-5-5-030811

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 043-14M

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

Project: 043 Sample Date: 3/9
Project Number: 0096498.009 Sample Time: 0929

Screened Interval: 145-165 Initial Depth to Water (ft): 89.11
Measured Well Depth (ft): 168.4 Length of Water Column (ft): 78.89
Well Inner Diameter (in): 4 1 Well Volume (gal): 51.5 x 3 = 154.5

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 160'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/9	0849	0	89.5	5.20	2.12	> 800	7.95	23.30	153
	0859	40	89.64	5.26	2.65	69.7	6.89	24.59	164
	0909	80	89.67	5.29	2.68	50.8	6.61	24.27	144
	0919	120	89.68	5.30	2.68	15.3	6.34	24.19	134
	0929	160	89.68	5.31	2.68	3.1	6.24	24.38	130
	~~0939~~	~~200~~ new							
	~~0949~~	~~240~~ new							
	~~0959~~	~~280~~ new							
	~~1005~~	~~320~~ new							

Volume Purged Prior to Sample Collection: 160/180 (10%) Depth to Water during Sample Collection: 89.68

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260B	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks:
~4 gpm 344.8 hz

043-14M-M-030911

990

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3 -14D

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

Project: OU3 Sample Date: 3/9
Project Number: 0096498.009 Sample Time: 3945

Screened Interval: 231.2-251.2 Initial Depth to Water (ft): 79.35
Measured Well Depth (ft): 251.6 Length of Water Column (ft): 172.15
Well Inner Diameter (in): 4 1 Well Volume (gal): 112.4 x3 = 337

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: K. Johnson / A. Ngle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 245'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/9	0815	0	74.56	4.91	1.89	185	6.17	21.82	224
	0825	88	199.20	5.06	1.96	116	7.61	24.52	207
	0830	101	210.50	5.12	1.89	143	7.53	24.65	201
	0836	141	239.87	5.15	1.89	108	7.43	24.84	193

Volume Purged Prior to Sample Collection: 145/160 (tot) Depth to Water during Sample Collection: 184.74

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 5260	3x40mL	HCl
1,4-Dioxane 8270	2x1L	—

Remarks: Level III ~9 gpm OU3-14D-D-030911 155189 ↓ 155526

DTW @ 0835 141 gal, will let sit & sample
@ 945 recovered to 184.74, will sample

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: SC-MW-1D

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

Project: 043
Project Number: 0096498.009
Sample Date: 3/9
Sample Time: 1105

Screened Interval: 83-123
Measured Well Depth (ft): 125.3
Well Inner Diameter (in): 4
Initial Depth to Water (ft): 83.02
Length of Water Column (ft): 41.98
1 Well Volume (gal): 27.9 x 3 = 82

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: K. Johnson / A. Nagle
Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 120'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/9	1040	0	83.19	5.28	2.01	114	2.63	25.08	173
	1045	20	83.29	5.23	1.70	102	1.35	26.04	171
	1050	40	83.30	5.25	1.67	23.5	1.27	26.64	159
	1055	60	83.30	5.25	1.67	14.5	1.20	26.65	152
	1100	80	83.30	5.26	1.67	13.4	1.15	26.67	149
	1105	100	83.30	5.27	1.67	6.1	1.12	26.59	148

Volume Purged Prior to Sample Collection: 100 (120 bl)
Depth to Water during Sample Collection: 83.30

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: Level III ~4 gpm 343.7 lbs

SC-MW-1D-S-030911

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-12D

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

Project: OU3 Sample Date: 3/9
Project Number: 0096498.009 Sample Time: 1347

Screened Interval: ~~345.6~~ – 265.6 Initial Depth to Water (ft): 76.70
Measured Well Depth (ft): 270.2 Length of Water Column (ft): 193.3
Well Inner Diameter (in): 4 1 Well Volume (gal): 126 x 3 = 378

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 260'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/9	1312	0	75.50	5.33	1.62	48.0	2.83	25.64	162
	1317	~~134~~ 62	88.60	5.32	1.55	1.3	2.38	25.34	151
	1322	134	88.81	5.32	1.55	0.7	2.32	25.32	150
	1327	197	87.26	5.33	1.56	0.7	2.29	25.32	149
	1332	249	89.51	5.33	1.56	0.8	2.28	25.37	148
	1337	314	89.52	5.34	1.58	0.9	2.21	25.18	146
	1342	371	89.52	5.34	1.59	1.2	2.18	25.56	145
	1347	425	89.52	5.35	1.60	1.1	2.23	25.72	144

Volume Purged Prior to Sample Collection: 425 (508 tot) Depth to Water during Sample Collection: 89.52

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	~~HCl~~ 3x40mL	HCl
1,4 Dioxane 8270	2x1L	–

Remarks: OU3-12D-D-030911 ~12 gpm 155351
Level III 155729

000

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-12M

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

Project: OU3 Sample Date: 3/9

Project Number: 0096498.009 Sample Time: 1542

Screened Interval: 146.7-166.7 Initial Depth to Water (ft): 81.99

Measured Well Depth (ft): ~~169~~ 169.8 Length of Water Column (ft): 88.01

Well Inner Diameter (in): 4 1 Well Volume (gal): 57.5x3= 172

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: K. Johnson/A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 160'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~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)
3/9	1458	0	82.65	5.12	1.47	651	9.80	27.42	169
	1518	80	82.07	5.33	1.55	35.9	7.39	26.87	139
	1528	120	82.07	5.34	1.55	12.1	6.74	26.72	121
	1538	160	82.07	5.34	1.55	7.3	6.39	26.72	119
	1542	180	82.07	5.35	1.55	10.0	6.37	26.72	118

Volume Purged Prior to Sample Collection: 180 (200 tot) Depth to Water during Sample Collection: 82.07

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 345.2 hz +4 ppm Rinsate

OU3-12M-M-030911 ~~OU3-12M-D-030911~~ GW-EB2-030911 1543

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-7S

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

Project: OU3 Sample Date: 3/10

Project Number: 0096498.009 Sample Time: 0925

Screened Interval: 60-110 Initial Depth to Water (ft): 84.49

Measured Well Depth (ft): 112 Length of Water Column (ft): 27.51

Well Inner Diameter (in): 4 1 Well Volume (gal): 18 x 3 = 54

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 105'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/10	0910	0	84.30	5.14	2.65	85.4	5.68	24.35	211
	0915	20	84.30	5.19	2.79	67.4	5.67	25.26	209
	0920	40	84.30	5.20	2.81	61.1	5.69	25.37	201
	0925	60	84.30	5.23	2.83	52.3	5.71	25.49	209

Volume Purged Prior to Sample Collection: 60 (80 tot) Depth to Water during Sample Collection: 84.30

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260B	3 x 40mL	HCl
1,4 Dioxane 8270	2 x 1L	—

Remarks: ~4 gpm 345.2 hz.

OU3-7S-S-031011

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-7M2

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

Project: OU3 Sample Date: 3/10

Project Number: 0096498.009 Sample Time: 1054

Screened Interval: 195-215 Initial Depth to Water (ft): 84.53

Measured Well Depth (ft): 220.8 Length of Water Column (ft): 136.47

Well Inner Diameter (in): 4 1 Well Volume (gal): 89 x 3 = 267

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 210'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/10	1034	0	84.28	5.36	2.83	52.9	4.09	26.00	175
	1039	119	84.28	5.39	2.53	4.9	3.16	25.80	167
	1044	151	84.29	5.39	2.51	5.5	3.10	25.48	167
	1049	213	84.29	5.40	2.50	6.6	2.91	25.58	166
	1054	296	84.30	5.41	2.49	9.1	2.91	25.82	164

Volume Purged Prior to Sample Collection: 296 (337 bv) Depth to Water during Sample Collection: 84.30

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 12 spm

155869

OU3-7M2-M2-031011

156136

156206

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1D

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

Project: OU3 Sample Date: 3/10
Project Number: 0096498.009 Sample Time: 1535

Screened Interval: 235-255 Initial Depth to Water (ft): ~~87.96~~ 78.32
Measured Well Depth (ft): 259.1 Length of Water Column (ft): ~~171.04~~ 180.78
Well Inner Diameter (in): 4 1 Well Volume (gal): 117.0 x3 = 353

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: K. Johnson/A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 250'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
	1455	0	78.10	5.60	3.48	0.0	8.30	25.34	170
	1500	62	77.85	5.59	3.49	0.0	7.55	25.23	171
	1505	83	77.88	5.58	3.50	0.0	7.11	25.37	170
	1510	~~128~~ 132	77.92	5.58	3.50	0.0	6.75	25.42	167
	1515	163	77.94	5.57	3.49	0.0	6.46	25.24	169
	1520	~~232~~ 232	77.94	5.56	3.50	0.0	6.25	25.41	169
	1525	284	77.94	5.56	3.50	0.5	6.14	25.31	168
	1530	339	77.94	5.56	3.50	1.1	6.12	25.19	168
	1535	364	77.94	5.55	3.50	2.3	6.03	25.18	168

Volume Purged Prior to Sample Collection: 364 Depth to Water during Sample Collection: 77.94

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	-

Remarks: 1562 1@6.9
1562 16.9

@.58 GPM
Qu'm: 10.5

OU3-1D-D-031011

1562 ~~78~~, 156300, 156349, 156380, 156439, 156460, 156515, 156540

6 335 2-1

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1M

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

Project: OU3 Sample Date: 3/10

Project Number: 0096498.009 Sample Time: 1610

Screened Interval: 140 - 160 Initial Depth to Water (ft): ~~78.78~~ 87.96

Measured Well Depth (ft): 162.3 Length of Water Column (ft): ~~83.68~~ 74.04

Well Inner Diameter (in): 4 1 Well Volume (gal): ~~54.6~~ x 3 = ~~164~~ 48.3 145

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: K. Johnson / A. Nygle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 155'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
	1540	0	88.00	5.46	2.56	39.0	4.75	25.45	164
	1545	25	88.09	5.42	2.55	26.0	4.39	25.59	167
	1550	50	88.11	5.43	2.55	8.5	4.22	25.62	165
	1555	75	88.10	5.42	2.56	8.2	4.29	25.59	160
	1600	100	88.10	5.43	2.56	6.9	4.30	25.57	155
	1605	125	88.10	5.43	2.56	4.5	4.29	25.57	151
	1610	150	88.10	5.43	2.56	3.1	4.27	25.60	149

Volume Purged Prior to Sample Collection: 150 (160 lbf) Depth to Water during Sample Collection: 88.10

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: ~5 gpm 345.6 lbs

Level 3 OU3-1M-M-031011

ERM®

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-9M2

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

Project: OU3
Project Number: 0096498.009
Sample Date: 3/11
Sample Time: 1020

Screened Interval: 219.7-229.7
Measured Well Depth (ft): 235.3
Well Inner Diameter (in):
Initial Depth to Water (ft): 86.50
Length of Water Column (ft): 148.8
1 Well Volume (gal): 97.2 x 3 = 291

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: K. Johnson / A. Nagle
Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 225'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/11	0955	0	86.62	5.40	2.50	56.3	3.75	24.43	168
	1000	88	87.72	5.39	2.52	59.7	3.46	24.96	173
	1005	170	87.72	5.40	2.52	69.5	3.56	25.27	175
	1010	195	87.75	5.41	2.52	68.1	3.51	25.36	175
	1015	256	87.75	5.42	2.51	33.6	3.49	25.39	175
	1020	295	87.75	5.43	2.52	15.7	3.48	24.40	175

Volume Purged Prior to Sample Collection: 295 (3.0 ft)
Depth to Water during Sample Collection: 87.75

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 10 gpm

156579
↓
156890
156905

OU3-9M2-M2-031101

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: ~~003-9S~~ 003-9S

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

Project: 003 Sample Date: 3/11
Project Number: 0096498.009 Sample Time: 1105

Screened Interval: 59.6 – 110.2 Initial Depth to Water (ft): 86.61
Measured Well Depth (ft): 110.3 Length of Water Column (ft): 23.69
Well Inner Diameter (in): 1 Well Volume (gal): 15.5 x 3 46

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 105'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/11	1045	0	86.60	5.46	2.55	45.7	4.53	25.68	176
	1050	20	86.62	5.47	2.73	62.0	4.24	25.95	175
	1055	40	86.62	5.48	2.74	16.7	4.31	25.98	175
	1100	60	86.62	5.49	2.75	10.5	4.29	26.01	175
	1105	80	86.62	5.49	2.75	10.7	4.29	26.00	174

Volume Purged Prior to Sample Collection: 80 (95) Depth to Water during Sample Collection: 86.62

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks:

4gpm

003-9S-S-031111

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8D

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

Project: OU3 Sample Date: 3/11
Project Number: 0096498.009 Sample Time: 1310

Screened Interval: 260.5-270 Initial Depth to Water (ft): 82.50
Measured Well Depth (ft): 273.2 Length of Water Column (ft): 190.68
Well Inner Diameter (in): 4 1 Well Volume (gal): 124.5 x 3 = 373

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 265
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/11	1230	0	82.61	5.48	2.38	21.4	5.11	27.11	169
	1235	84	82.69	5.41	1.43	10.4	3.72	25.46	162
	1240	144	82.71	5.41	1.43	3.1	3.66	25.47	162
	1245	193	82.72	5.41	1.42	1.1	3.48	25.47	161
	1250	248	82.72	5.41	1.41	1.2	3.35	25.41	160
	1300	299	82.72	5.41	1.41	1.3	3.23	25.39	159
	1305	346	82.72	5.41	1.41	1.3	3.19	25.48	159
	1310	398	82.72	5.41	1.41	1.0	3.17	25.48	158

Volume Purged Prior to Sample Collection: ~~398~~ (386 tot) Depth to Water during Sample Collection:

Analysis/Parameter	Container/Volume	Preservative/Preparation
		~~156805~~

Remarks: 10gpm (3" compensated to TOC) 156805 ↓ 157278

OU3-8D-D-03111

191

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8M2

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

Project: OU3 Sample Date: 3/11

Project Number: 0096498.009 Sample Time: 1580

Screened Interval: 205.5-225.6 Initial Depth to Water (ft): ~~228~~ 86.31

Measured Well Depth (ft): 228.4 Length of Water Column (ft): 141.69

Well Inner Diameter (in): 4 1 Well Volume (gal): 92.5x3 = 277.5

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump 220'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/11	1430	0	86.59	5.41	1.45	1.3	8.02	28.62	166
	1435	63	86.61	5.48	1.63	0.3	7.93	26.06	169
	1440	107	86.62	5.50	1.78	0.1	7.63	25.83	168
	1445	159	86.62	5.51	1.89	0.3	7.39	25.83	163
	1450	203	86.62	5.52	1.96	0.2	7.28	25.79	157
	1455	257	86.62	5.53	2.00	0.1	7.19	25.75	150
	1500	306	86.62	5.53	2.02	0.1	7.14	25.65	157

Volume Purged Prior to Sample Collection: 306 (315 tot) Depth to Water during Sample Collection: 86.62

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40 mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 10 gpm

Level 3 OU3-8M2-MZ-03111

O

ERM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8S

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

Project: OU3
Project Number: 0096498.009
Sample Date: 3/11
Sample Time: 1535

Screened Interval: 59.9-110.5
Measured Well Depth (ft): 110.4
Well Inner Diameter (in): 4
Initial Depth to Water (ft): 86.61
Length of Water Column (ft): 23.79
1 Well Volume (gal): 15.5x3=47

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: K. Johnson / A. Nagle
Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump 105
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/11	1520	0	86.78	5.66	2.32	71.7	3.44	27.73	149
	1525	20	86.79	5.59	2.40	5.2	3.31	25.54	140
	1530	40	86.80	5.58	2.41	4.7	3.28	25.92	139
	1535	60	86.80	5.57	2.39	3.1	3.26	25.81	139

Volume Purged Prior to Sample Collection: 60 (80 tot)
Depth to Water during Sample Collection: 86.80

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 4gpm

Rinsate 1536
GW-EB4-031111

OU3-8S-031111

ERM®

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-19D

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

Project: OU3 Sample Date: 3/14
Project Number: 0096498.009 Sample Time: 1452

Screened Interval: 247-267 Initial Depth to Water (ft): 73.58
Measured Well Depth (ft): 270.4 Length of Water Column (ft): 196.82
Well Inner Diameter (in): 4 1 Well Volume (gal): 128.5x3 = 385

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump 260'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/14	1412	0	72.96	4.62	1.64	53.6	4.92	29.18	116
	1417	63	73.85	4.74	1.77	0.5	4.74	26.63	121
	1422	117	73.85	4.73	1.75	0.8	4.78	26.54	129
	1427	160	73.85	4.73	1.75	0.8	4.79	26.34	134
	1432	215	73.85	4.74	1.78	0.2	4.80	26.29	139
	1437	269	73.86	4.72	1.81	0.5	4.74	26.27	143
	1442	318	73.86	4.72	1.78	0.8	4.72	26.18	147
	1447	373	73.87	4.71	1.78	0.6	4.79	26.19	150
	1452	421	73.87	4.72	1.79	0.5	4.80	26.21	151

Volume Purged Prior to Sample Collection: 421 (438 tot.) Depth to Water during Sample Collection: 73.87

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: ~10gpm 157653 ↓ 158038

EW-19D-D-031411

1-4091

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: ~~003-6M~~ 003-6M

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

Project: 003 Sample Date: 3/14

Project Number: 0096498.009 Sample Time: 1105

Screened Interval: 152-172 ~~172.45~~ Initial Depth to Water (ft): 83.53

Measured Well Depth (ft): 172.45 Length of Water Column (ft): 88.92

Well Inner Diameter (in): 1 Well Volume (gal): 58 x 3 = 174

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 167'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/14	1032	0	83.54	4.42	1.26	14.9	9.54	24.50	183
	1037	25	83.70	4.47	1.35	22.3	8.10	25.70	187
	1040	50	83.71	4.47	1.35	12.7	7.29	26.28	186
	1045	75	83.71	4.47	1.34	12.3	6.86	26.39	185
	1050	100	83.71	4.49	1.34	15.3	6.64	26.51	183
	1055	125	83.72	4.48	1.35	3.5	6.23	26.42	182
	1100	150	83.72	4.48	1.35	3.2	6.20	26.39	180
	1105	175	83.72	4.48	1.34	2.7	6.19	26.37	180

Volume Purged Prior to Sample Collection: 175 (~~150~~) Depth to Water during Sample Collection:

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	6 x 40mL	HCl
1,4 Dioxane 8270	4 x 1L	—

Remarks: MS/MSD (extra vol.) ~35psi 3478 hrs

003-6M-M-03141 / 003-6M-M-03141L-MSMSD

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-6D

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

Project: OU3 Sample Date: 3/14

Project Number: 0096498.009 Sample Time: 0950

Screened Interval: 230-250 Initial Depth to Water (ft): 80.08

Measured Well Depth (ft): 261.47 Length of Water Column (ft): 181.39

Well Inner Diameter (in): 1 Well Volume (gal): 118.4 x 3 = 355

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 245'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/14	0915	0	81.72	3.48	1.78	33.9	7.71	20.95	243
	0920	74	81.73	3.46	1.95	44.7	8.58	22.36	216
	0925	109	81.73	3.60	1.94	54.9	8.61	23.31	204
	0930	168	81.73	3.74	1.95	59.9	7.65	23.73	201
	0935	235	81.73	3.94	1.93	35.6	7.41	23.88	200
	0940	270	81.73	4.08	1.93	21.0	7.10	24.12	199
	0945	310	81.73	4.19	1.91	4.7	7.04	24.30	199
	0950	360	81.73	4.20	1.91	3.1	7.01	24.38	199

Volume Purged Prior to Sample Collection: 360 (380 mL) Depth to Water during Sample Collection: 81.73

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3 x 40mL	HCl
1,4 Dioxane 8270	2 x 1L	—

Remarks:

157291

↓

OU3-6D-D-031411 157,646

157365
157400
157459
157526
157600

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-2M

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

Project: OU3 Sample Date: 3/14
Project Number: 0096498.009 Sample Time:

Screened Interval: 150-170 Initial Depth to Water (ft): 82.45
Measured Well Depth (ft): 175.7 Length of Water Column (ft): 93.25
Well Inner Diameter (in): 4 1 Well Volume (gal): 60.9 x 3 = 182.7

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 165'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/14	1605	0	82.46	4.71	1.56	465	8.20	28.34	117
	1610	25	82.47	4.70	1.58	326	7.78	26.47	29
	1615	50	82.47	4.71	1.58	164	7.40	26.69	44
	1620	75	82.47	4.72	1.57	14.5	7.30	26.70	63
	1625	100	82.47	4.73	1.55	6.9	7.06	26.72	66
	1630	125	82.47	4.74	1.55	8.5	6.70	26.77	77
	1635	150	82.47	4.75	1.60	6.2	6.59	26.36	76
	1640	175	82.47	4.76	1.60	5.6	6.59	26.38	76
	1645	200	82.47	4.77	1.60	4.7	6.55	26.40	75

Volume Purged Prior to Sample Collection: 200 (210 bl) Depth to Water during Sample Collection:

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: ~Spa

OU3-2M-M-031411

0

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW 003-105-R

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

Project: 003 Sample Date: 3/15

Project Number: 0096498.009 Sample Time: 0800

Screened Interval: 60-100 Initial Depth to Water (ft): 90.24

Measured Well Depth (ft): 102.3 Length of Water Column (ft): 12.06

Well Inner Diameter (in): 2 1 Well Volume (gal): 1.97 x 3 = 5.9

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Bailer

Stabilization Test Equipment: N/A

Sampling Method/Equipment: 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)
3/15	0700	-	-	-	-	/	-	-	-
	0800	6	90.48	5.07	1.61	38.5	9.89	24.31	165

Volume Purged Prior to Sample Collection: 6 gal Depth to Water during Sample Collection: 90.48

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x 40 mL	HCl
1,4 Dioxane	2x 1L	-

Remarks:

Bailer

EW003-105-R

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10M

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

Project: OU3 Sample Date: 3/15

Project Number: 0096498.009 Sample Time: 0915

Screened Interval: 146-166 Initial Depth to Water (ft): 90.11

Measured Well Depth (ft): 170.6 Length of Water Column (ft): 80.49

Well Inner Diameter (in): 4 1 Well Volume (gal): 52.5 x 3 = 157

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: K Johnson / A. Nyk Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 160'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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	0835	0	90.21	4.69	1.58	215	10.75	20.29	160
	0840	20	90.38	4.73	1.54	176	9.07	21.41	~~148~~ 148
	0845	40	90.39	4.72	1.52	148	7.30	24.25	150
	0850	60	90.39	4.75	1.51	145	5.94	24.48	145
	0855	80	90.39	4.76	1.51	34.9	5.72	24.43	145
	0900	100	90.40	4.76	1.51	30.6	5.67	24.51	145
	0905	120	90.40	4.75	1.51	24.1	5.58	24.47	144
	0910	140	90.40	4.76	1.51	14.4	5.37	24.68	141
	0915	160	90.40	4.76	1.51	11.6	5.34	24.67	141

Volume Purged Prior to Sample Collection: 160 (170 tot) Depth to Water during Sample Collection: 90.40

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3 x 40mL	HCl
1,4 Dioxane 8270	2 x 1L	-

Remarks: MS/MSD 347.8hz ~4gpm

OU3-10M-M-031511 / OU3-10M-M-031511

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10M2

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

Project: OU3 Sample Date: 3/15
Project Number: 0096498.009 Sample Time: 1020

Screened Interval: 199 - 219 Initial Depth to Water (ft): 89.99
Measured Well Depth (ft): 225.5 Length of Water Column (ft): 135.51
Well Inner Diameter (in): 4 1 Well Volume (gal): 88.5 x 3 = 265.5

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: K. Johnson / A. Nagh Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 215'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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	0955	0	89.75	4.85	~~0.460~~ 1.47	433	8.54	24.14	181
	1000	44	90.15	4.72	1.47	474	8.30	24.80	182
	1005	81	90.23	4.76	1.47	280	7.81	24.92	178
	1010	161	90.23	4.80	1.49	126	7.76	25.01	172
	1015	204	90.23	4.80	1.48	88.6	6.94	25.1	170
	1020	269	90.23	4.81	1.48	50.5	6.55	25.18	169

Volume Purged Prior to Sample Collection: 269 Depth to Water during Sample Collection: 90.23

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40ml	HCl
1,4 Dioxane 8220	2x1L	—

Remarks: ~10gpm 158091

OU3-10M2-M2-031511 158356

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-19S

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

Project: OU3 Sample Date: 3/15/11

Project Number: 0096498.009 Sample Time: 1408

Screened Interval: 57 - 107 Initial Depth to Water (ft): 82.09

Measured Well Depth (ft): 112.41 Length of Water Column (ft): 30.31

Well Inner Diameter (in): 4 1 Well Volume (gal): 19.8 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: K. Johnson, A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 102'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
	1320	0	82.41	4.89	1.63	134	4.90	27.31	178
	1330	15	82.43	4.92	1.65	90.5	3.20	27.12	152
	1340	30	82.40	4.91	1.65	46.8	2.93	27.08	136
	1350	45	82.40	4.92	1.65	0.8	4.60	27.38	124
	1400	60	82.40	4.91	1.65	0.0	4.45	27.38	120

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 82.40

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC	40 mL x 3	HCl
1,4-Dioxane	1 L x 2	—

Remarks: 1.5 gpm

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5MR

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

Project: OU3 Sample Date: 3/16

Project Number: 0096498.009 Sample Time: 0946

Screened Interval: 148-168 Initial Depth to Water (ft): 86.86

Measured Well Depth (ft): 169.31 Length of Water Column (ft): 82.45

Well Inner Diameter (in): 4 1 Well Volume (gal): 53.8 x 3 = 161.5

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: K. Johnson / AINyb Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 165

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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	0906	0	86.86	4.80	1.82	195	6.53	23.83	163
	0911	20	87.51	4.80	1.82	147	6.27	23.76	165
	0916	40	87.50	4.79	1.82	129	6.16	23.49	167
	0921	60	87.05	4.78	1.79	54.5	5.38	24.44	160
	0926	80	87.05	4.79	1.78	34.1	5.09	24.52	142
	0931	100	87.05	4.72	1.78	10.8	4.70	24.74	100
	0936	120	87.05	4.80	1.78	7.3	4.48	24.86	87
	0941	146	87.05	4.81	1.78	4.4	4.43	25.03	79
	0946	160	87.05	4.81	1.78	3.1	4.46	25.05	83

Volume Purged Prior to Sample Collection: 160 (4 gal) Depth to Water during Sample Collection: 87.05

Analysis/Parameter	Container/Volume	Preservative/Preparation

Remarks: Level III

4 gpm OU3-5MR-M-03/611

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5SR

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

Project: OU3 Sample Date: 3/16

Project Number: 0096498.009 Sample Time: 1023

Screened Interval: 69-119 Initial Depth to Water (ft): 86.75

Measured Well Depth (ft): 120.7 Length of Water Column (ft): 33.95

Well Inner Diameter (in): 4 1 Well Volume (gal): 22.2 x 3 = 66.5

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: K. Johnson / Aingle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 115'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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	1003	0	86.96	4.72	1.92	567	8.22	25.03	141
	1008	20	86.96	4.84	1.94	93.8	7.90	25.30	141
	1013	40	86.96	4.85	1.92	15.9	7.62	25.49	140
	1018	60	86.97	4.86	1.91	8.5	7.40	25.49	140
	1023	80	86.97	4.86	1.90	3.1	7.58	25.58	140

Volume Purged Prior to Sample Collection: 80 (7 bbl) Depth to Water during Sample Collection: 86.97

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 2 gpm

342 7.2

OU3-5SR-S-031611

80

ADDED 2011-05-13 BY RDL:
LIKELY A MEASUREMENT ERROR,
SHOULD HAVE BEEN 86.19, SIMILAR
TO MEASUREMENT ON 2011-03-07.
RESULT WAS "EXTRA" WATER PURGED (NO ISSUE).

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5DR

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

Project: OU3
Project Number: 0096498.009
Sample Date: 3/16
Sample Time: 1220

Screened Interval: 232-252
Measured Well Depth (ft): 253.7
Well Inner Diameter (in): 4
Initial Depth to Water (ft): 82.19
Length of Water Column (ft): 171.51
1 Well Volume (gal): 111.9 x 3 = 335

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: K. Johnson / A. Nagle
Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 245'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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	1145	0	82.85	4.68	1.20	73.8	3.36	26.05	-45
	1150	40	87.86	4.78	1.66	12.4	3.95	24.63	-48
	1155	90	87.86	4.87	1.72	29.6	3.87	25.83	20
	1200	130	87.86	4.90	1.72	20.7	3.86	27.09	47
	1205	180	87.86	4.91	1.71	17.7	3.85	27.36	73
	1210	230	87.86	4.91	1.71	18.2	3.82	27.46	89
	1215	290	87.86	4.92	1.71	30.8	3.80	27.71	97
	1220	340	87.86	4.92	1.70	14.4	3.79	27.99	101

Volume Purged Prior to Sample Collection: 340 (360 tot)
Depth to Water during Sample Collection: 87.36

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40ml	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: 10 gpm

158380
↓
158715

OU3-5DR-D-031411

560
610

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-5M2

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

Project: OU3 Sample Date: 3/16
Project Number: 0096498.009 Sample Time: 1530

Screened Interval: 202-222 Initial Depth to Water (ft): 86.74
Measured Well Depth (ft): 230.81 Length of Water Column (ft): 144.07
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: K. Johnson / D. Nygl Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @215'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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	1500	0	86.80	4.96	1.75	28.7	7.27	32.28	157
	1505	57	87.25	4.95	1.67	25.3	7.25	31.78	159
	1510	118	87.27	4.98	1.64	11.2	7.16	30.44	159
	1515	172	87.27	4.99	1.63	0.8	7.01	29.71	160
	1520	215	87.27	4.97	1.64	0.6	7.01	29.75	160
	1525	278	87.27	4.97	~~1.65~~ 1.65	0.4	7.07	29.31	160
	1530	309	87.27	4.98	1.65	0.4	7.05	29.29	160

Volume Purged Prior to Sample Collection: 309 (325 gal) Depth to Water during Sample Collection: 87.27

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3 x 40mL	HCl
1,4 Dioxane 8270	2 x 1L	—

Remarks: 10 gpm Rinsate 1531 158740 ↓ 159022

OU3-5M2-MW-031611

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-13D

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

Project: OU3 Sample Date: 3/17

Project Number: 0096498.009 Sample Time: 0855

Screened Interval: 224-244 Initial Depth to Water (ft): 84.29

Measured Well Depth (ft): 249.7 Length of Water Column (ft): 165.41

Well Inner Diameter (in): 4 1 Well Volume (gal): 108×3= 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: K. Johnson / A. Nyk Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump @ 240'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/17	0820	0	85.68	4.71	2.14	56.6	9.90	21.49	267
	0825	31	85.74	4.72	2.11	49.9	6.98	22.85	266
	0830	81	85.75	4.76	2.09	44.9	6.57	23.36	260
	0835	130	85.75	4.79	2.01	33.9	5.99	23.21	255
	0840	175	85.75	4.78	1.99	16.2	5.73	23.87	256
	0845	235	85.75	4.77	1.98	7.2	5.44	24.12	256
	0850	287	85.75	4.77	1.98	6.2	5.30	24.17	256
	0855	330	85.75	4.77	1.98	9.1	5.35	24.33	256

Volume Purged Prior to Sample Collection: 330 (340 w) Depth to Water during Sample Collection: 85.75

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3×40mL	HCl
1,4 Dioxane 8270	2×1L	—

Remarks: 10gpm

158910

159234

OU3-13D-D-031711

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-13M

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

Project: OU3 Sample Date: 3/17
Project Number: 0096498.009 Sample Time: 1020

Screened Interval: 154-174 Initial Depth to Water (ft): ~~120~~ 87.28
Measured Well Depth (ft): 175.6 Length of Water Column (ft): 88.32
Well Inner Diameter (in): 4 1 Well Volume (gal): 57.7 x 3 = 173

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: K. Johnson / D. Uyeda Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump 170'
Stabilization Test Equipment: N/A
Sampling Method/Equipment: ~~Bailer~~ 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)
3/17	0935	~~80~~ 80	87.16	4.72	1.49	253	5.91	24.59	258
	0940	20	87.58	4.82	2.92	263	2.64	24.88	261
	0945	40	87.61	4.85	2.94	162	2.54	24.94	259
	0950	60	87.62	4.87	2.94	77.5	2.53	24.98	257
	0955	80	87.62	4.89	2.93	52.6	2.52	25.03	254
	1000	100	87.62	4.90	2.93	36.3	2.51	25.01	253
	1005	120	87.62	4.89	2.95	29.1	2.54	25.06	251
	1010	140	87.62	4.89	2.95	22.6	2.54	25.08	250
	1015	160	87.62	4.89	2.95	14.7	2.59	25.13	247
	1020	170	87.62	4.89	2.95	10.6	2.57	25.18	246

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

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4-Dioxane 8270	2x1L	—

Remarks: Duplicate 348.0 hr Typo

OU3-13M-MW-031711 / OU3-13M-MW-031711-Q1

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-20

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

Project: OU3 Sample Date: 3/17

Project Number: 0096498.009 Sample Time: 1130

Screened Interval: 59-109 Initial Depth to Water (ft): 88.49

Measured Well Depth (ft): 109.8 Length of Water Column (ft): 21.31

Well Inner Diameter (in): 4 1 Well Volume (gal): 14×3 = 42

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: K. Johnson / A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: ~~Bailer~~ pump 105'

Stabilization Test Equipment: N/A

Sampling Method/Equipment: ~~Bailer~~ 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)
3/17	1055	0	88.45	4.80	1.87	459	5.52	25.72	107
	1120	20	89.61	4.84	1.94	48.4	4.28	26.50	114
	1125	40	89.62	4.86	1.95	18.9	4.19	26.53	115
	1130	60	89.63	4.87	1.94	8.3	4.17	26.51	116

Volume Purged Prior to Sample Collection: 60 Depth to Water during Sample Collection: 89.63

Analysis/Parameter	Container/Volume	Preservative/Preparation
VOC 8260	3x40mL	HCl
1,4 Dioxane 8270	2x1L	—

Remarks: Rinsate -4gpm

FW-20-S-031711

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

UNSCANNABLE MEDIA

To use the unscannable media document # 2279322
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 0096498.009

Sampled: 03/08/11
Received: 03/08/11
Issued: 03/18/11 08:30

NELAP #01109CA 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
PUC0526-01	DT-DW-5-S-030811	Water
PUC0526-02	Trip Blank	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.

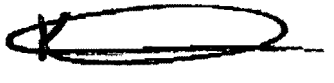
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
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

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	0.65	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: PUC0526-01 (DT-DW-5-S-030811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**0.54**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: PUC0526-02 (Trip Blank - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/14/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Chloroform	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: PUC0526-02 (Trip Blank - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/14/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*105 %*				

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	1.1	1	3/9/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*57 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*72 %*				

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
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	0.50	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							

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
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	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*70-130*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
Acetone	35.3	10	ug/l	25.0		141	30-150			
Benzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	22.2	0.50	ug/l	25.0		89	70-130			
Bromoform	24.2	1.0	ug/l	25.0		97	67-122			
Bromomethane	21.5	1.0	ug/l	25.0		86	64-132			
2-Butanone (MEK)	29.8	2.5	ug/l	25.0		119	48-150			
n-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	24.8	1.0	ug/l	25.0		99	69-128			
Chloroform	23.3	0.50	ug/l	25.0		93	70-130			
Chloromethane	22.0	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	24.9	0.50	ug/l	25.0		100	70-130			
4-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130			
Dibromochloromethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0		91	63-129			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0		93	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0		89	42-150			
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	22.9	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		97	70-130			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		90	70-130			
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130			
2,2-Dichloropropane	23.7	1.0	ug/l	25.0		95	70-130			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
1,1-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92	70-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130			
Ethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0		111	70-130			
2-Hexanone	32.4	2.5	ug/l	25.0		129	44-150			
Iodomethane	30.2	2.5	ug/l	25.0		121	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	25.7	0.50	ug/l	25.0		103	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	61-142			
Methyl-tert-butyl Ether (MTBE)	23.7	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.7	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	24.3	0.50	ug/l	25.0		97	70-130			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	22.9	0.50	ug/l	25.0		91	70-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	78-149			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.8	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	25.1	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	47.9	1.0	ug/l	50.0		96	70-130			
Freon 113	25.1	2.0	ug/l	25.0		100	63-136			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
Acetone	38.8	10	ug/l	25.0		155	30-150	9	35	*L3*
Benzene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
Bromobenzene	25.0	0.50	ug/l	25.0		100	70-130	0.6	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	0.04	20	
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
Bromoform	25.2	1.0	ug/l	25.0		101	67-122	4	20	
Bromomethane	22.0	1.0	ug/l	25.0		88	64-132	2	20	
2-Butanone (MEK)	31.1	2.5	ug/l	25.0		124	48-150	4	33	
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130	3	20	
sec-Butylbenzene	25.1	0.50	ug/l	25.0		101	70-130	4	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0		97	70-130	6	20	
Carbon disulfide	23.4	0.50	ug/l	25.0		94	61-126	4	20	
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130	0.6	20	
Chlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	1	20	
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128	3	20	
Chloroform	22.9	0.50	ug/l	25.0		92	70-130	2	20	
Chloromethane	21.6	1.0	ug/l	25.0		86	56-131	2	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0		96	70-130	4	20	
4-Chlorotoluene	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromochloromethane	24.1	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		98	63-129	7	25	
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromomethane	25.0	0.50	ug/l	25.0		100	70-130	7	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	2	20	
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Dichlorodifluoromethane	20.9	0.50	ug/l	25.0		84	42-150	6	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	6	20	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	72-133	1	20	
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	4	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	5	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-130	3	20	

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
1,1-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130	0.5	20	
cis-1,3-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130	2	20	
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
Ethylbenzene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0		105	70-130	6	20	
2-Hexanone	34.2	2.5	ug/l	25.0		137	44-150	6	31	
Iodomethane	27.9	2.5	ug/l	25.0		112	58-138	8	25	
Isopropylbenzene	27.0	0.50	ug/l	25.0		108	70-130	4	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		90	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	27.2	2.5	ug/l	25.0		109	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	ug/l	25.0		96	70-130	1	20	
Naphthalene	29.4	2.5	ug/l	25.0		118	65-129	6	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	5	20	
Styrene	24.1	0.50	ug/l	25.0		97	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	23.1	0.50	ug/l	25.0		92	70-130	3	20	
Toluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
1,2,3-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.1	20	
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	0.8	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	70-130	6	20	
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130	0.2	20	
Trichlorofluoromethane	27.2	0.50	ug/l	25.0		109	78-149	3	20	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	70-130	0.7	20	
1,2,4-Trimethylbenzene	24.5	0.50	ug/l	25.0		98	70-130	7	20	
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25.0		99	70-130	3	20	
Vinyl Acetate	36.1	1.0	ug/l	25.0		144	57-149	2	21	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	66-134	5	20	
Xylenes, Total	47.4	1.0	ug/l	50.0		95	70-130	0.9	20	
Freon 113	23.7	2.0	ug/l	25.0		95	63-136	6	20	
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
Acetone	20.4	10	ug/l	25.0	ND	81	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Bromodichloromethane	21.4	0.50	ug/l	25.0	0.110	85	70-130			
Bromoform	22.4	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	20.1	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	21.7	2.5	ug/l	25.0	ND	87	22-150			
n-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Carbon disulfide	23.0	0.50	ug/l	25.0	0.220	91	56-132			
Carbon tetrachloride	23.1	0.50	ug/l	25.0	ND	93	76-131			
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Chloroethane	22.6	1.0	ug/l	25.0	ND	91	67-134			
Chloroform	21.7	0.50	ug/l	25.0	0.750	84	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dichlorodifluoromethane	19.7	0.50	ug/l	25.0	ND	79	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	21.3	0.50	ug/l	25.0	0.120	85	70-130			
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0	ND	89	66-130			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	70-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	71-132			
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.4	2.5	ug/l	25.0	ND	94	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132			
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	26.3	2.5	ug/l	25.0	ND	105	54-135			
n-Propylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Styrene	23.0	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,1,2,2-Tetrachloroethane	23.6	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	24.8	0.50	ug/l	25.0	1.62	93	70-130			
Toluene	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	97	70-130			
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	66-126			
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Trichloroethene	23.0	0.50	ug/l	25.0	0.990	88	70-130			
Trichlorofluoromethane	26.5	0.50	ug/l	25.0	ND	106	74-150			
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	61-138			
Vinyl Acetate	36.6	1.0	ug/l	25.0	ND	146	50-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	58-139			
Xylenes, Total	45.6	1.0	ug/l	50.0	ND	91	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
Acetone	15.4	10	ug/l	25.0	ND	61	10-150	28	35	
Benzene	22.4	0.50	ug/l	25.0	ND	89	70-130	4	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	101	70-130	11	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	8	20	
Bromodichloromethane	21.1	0.50	ug/l	25.0	0.110	84	70-130	1	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126	2	20	
Bromomethane	18.5	1.0	ug/l	25.0	ND	74	55-136	8	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	8	31	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	12	20	
sec-Butylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	12	20	
tert-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	8	20	
Carbon disulfide	23.1	0.50	ug/l	25.0	0.220	92	56-132	0.6	20	
Carbon tetrachloride	23.2	0.50	ug/l	25.0	ND	93	76-131	0.5	20	
Chlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	2	20	
Chloroform	22.6	0.50	ug/l	25.0	0.750	87	70-130	4	20	
Chloromethane	20.6	1.0	ug/l	25.0	ND	82	50-135	0.5	20	
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130	10	20	
4-Chlorotoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	20	
Dibromochloromethane	21.6	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	60-135	0.6	29	
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
Dibromomethane	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,2-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	7	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	9	20	
1,4-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
Dichlorodifluoromethane	19.3	0.50	ug/l	25.0	ND	77	36-150	2	22	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,2-Dichloroethane	21.1	0.50	ug/l	25.0	ND	85	68-143	0.6	20	
1,1-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
cis-1,2-Dichloroethene	21.8	0.50	ug/l	25.0	0.120	87	70-130	3	20	
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130	5	20	
2,2-Dichloropropane	21.4	1.0	ug/l	25.0	ND	86	66-130	4	20	

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 0096498.009
Report Number: PUC0526
Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
cis-1,3-Dichloropropene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.8	20	
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	71-132	3	20	
Ethylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0	ND	105	66-129	11	21	
2-Hexanone	21.7	2.5	ug/l	25.0	ND	87	18-150	7	25	
Iodomethane	20.7	2.5	ug/l	25.0	ND	83	47-141	12	29	
Isopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	78-137	12	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0	ND	102	70-130	8	20	
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132	0	20	
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0	ND	94	56-145	0.6	26	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138	8	21	
Naphthalene	24.9	2.5	ug/l	25.0	ND	100	54-135	6	33	
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	10	20	
Styrene	23.9	0.50	ug/l	25.0	ND	95	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	2	20	
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	1.62	93	70-130	0.3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-130	6	20	
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	0.5	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	66-126	2	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.8	20	
Trichloroethene	23.2	0.50	ug/l	25.0	0.990	89	70-130	1	20	
Trichlorofluoromethane	26.3	0.50	ug/l	25.0	ND	105	74-150	0.5	20	
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130	0.09	20	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	10	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	103	61-138	10	33	
Vinyl Acetate	32.2	1.0	ug/l	25.0	ND	129	50-150	13	23	
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139	4	21	
Xylenes, Total	47.9	1.0	ug/l	50.0	ND	96	70-130	5	20	
Freon 113	23.6	2.0	ug/l	25.0	ND	95	56-148	0.5	22	
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

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: 11C0359 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C0359-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*16.2*		*ug/l*	*20.0*		*81*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/11/2011 (11C0359-BS1)										Q8
1,4-Dioxane	18.0	1.0	ug/l	20.0		90	85-115			
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*86*	*35-140*			
LCS Dup Analyzed: 03/11/2011 (11C0359-BSD1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	14	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.0*		*ug/l*	*20.0*		*80*	*35-140*			

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
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

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 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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.

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC 0526

NO: 2490

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagl	

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	SOIL	WATER	GAS	REQUESTED PARAMETERS: VOC 8260B	1,4-Dioxane (only) 8270	
#DT-DW-5-3-030811	3/8	1020		X	bail	HCl	Y	3x40mL 2x1L	5		X		X	X	-01

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ERM	3/8	1713			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/8/11	1713

FIELD REMARKS: * Run Level III (as seperate report)

2.4°C/2.1°C

REMARKS ON SAMPLE RECEIPT: ☑ BOTTLE INTACT ☐ PRESERVED ☐ CUSTODY SEALS ☐ SEALS INTACT ☒ CHILLED ☐ SEE REMARKS

ERM REMARKS:

SEND REPORT TO: jason.hilker@erm.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

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: 0096498.009

Sampled: 03/18/11
Received: 03/18/11
Issued: 03/29/11 12:06

NELAP #01109CA 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
PUC1289-01	EW-13-118-S-031811	Water
PUC1289-02	EW-13-168-M-031811	Water
PUC1289-03	EW-13-228-D-031811	Water
PUC1289-04	EW-13-268-D-031811	Water
PUC1289-05	GW-EB9-031811	Water
PUC1289-06	GW-L1-10-031811	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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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. N1 = The Laboratory Control Sample Duplicate as well as the Matrix Spike Duplicate recovered high and outside of acceptance limits for Vinyl Acetate. All associated samples are non-detect for this compound and therefore should not be impacted. 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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-01 (EW-13-118-S-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-01 (EW-13-118-S-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*98 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-02 (EW-13-168-M-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-02 (EW-13-168-M-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*100 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-03 (EW-13-228-D-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-03 (EW-13-228-D-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	**2.2**	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-04 (EW-13-268-D-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-04 (EW-13-268-D-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*101 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*114 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-05 (GW-EB9-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	**2.1**	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	**3.3**	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	**0.75**	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-05 (GW-EB9-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*101 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-06 (GW-L1-10-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-06 (GW-L1-10-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*99 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: PUC1289-01 (EW-13-118-S-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC1289-02 (EW-13-168-M-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*66 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*72 %*				
Sample ID: PUC1289-03 (EW-13-228-D-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*74 %*				
Sample ID: PUC1289-04 (EW-13-268-D-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*75 %*				
Sample ID: PUC1289-05 (GW-EB9-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Blank Analyzed: 03/25/2011 (11C0967-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Blank Analyzed: 03/25/2011 (11C0967-BLK1)										
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	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*70-130*			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
LCS Analyzed: 03/25/2011 (11C0967-BS1)										
Acetone	32.4	10	ug/l	25.0		130	30-150			*VI*
Benzene	24.4	0.50	ug/l	25.0		98	70-130			
Bromobenzene	25.1	0.50	ug/l	25.0		101	70-130			
Bromochloromethane	25.4	0.50	ug/l	25.0		102	70-130			
Bromodichloromethane	26.3	0.50	ug/l	25.0		105	70-130			
Bromoform	23.6	1.0	ug/l	25.0		95	67-122			
Bromomethane	26.5	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	31.3	2.5	ug/l	25.0		125	48-150			
n-Butylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
sec-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130			
tert-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Carbon disulfide	26.5	0.50	ug/l	25.0		106	61-126			
Carbon tetrachloride	26.3	0.50	ug/l	25.0		105	70-130			
Chlorobenzene	24.6	0.50	ug/l	25.0		98	70-130			
Chloroethane	24.2	1.0	ug/l	25.0		97	69-128			
Chloroform	24.0	0.50	ug/l	25.0		96	70-130			
Chloromethane	17.3	1.0	ug/l	25.0		69	56-131			
2-Chlorotoluene	24.6	0.50	ug/l	25.0		99	70-130			
4-Chlorotoluene	25.4	0.50	ug/l	25.0		102	70-130			
Dibromochloromethane	26.9	0.50	ug/l	25.0		107	70-130			
1,2-Dibromo-3-chloropropane	27.9	2.5	ug/l	25.0		112	63-129			
1,2-Dibromoethane (EDB)	25.6	0.50	ug/l	25.0		102	70-130			
Dibromomethane	26.1	0.50	ug/l	25.0		104	70-130			
1,2-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	23.7	0.50	ug/l	25.0		95	70-130			
1,4-Dichlorobenzene	24.5	0.50	ug/l	25.0		98	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		83	42-150			
1,1-Dichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	25.6	0.50	ug/l	25.0		102	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0		95	70-130			
trans-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
1,2-Dichloropropane	25.7	0.50	ug/l	25.0		103	70-130			
1,3-Dichloropropane	25.3	0.50	ug/l	25.0		101	70-130			
2,2-Dichloropropane	26.3	1.0	ug/l	25.0		105	70-130			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
LCS Analyzed: 03/25/2011 (11C0967-BS1)										
1,1-Dichloropropene	25.8	0.50	ug/l	25.0		103	70-130			
cis-1,3-Dichloropropene	27.7	0.50	ug/l	25.0		111	70-130			
trans-1,3-Dichloropropene	30.6	0.50	ug/l	25.0		123	70-130			
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
Hexachlorobutadiene	26.1	1.0	ug/l	25.0		104	70-130			
2-Hexanone	32.6	2.5	ug/l	25.0		130	44-150			
Iodomethane	28.3	2.5	ug/l	25.0		113	58-138			
Isopropylbenzene	28.1	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	24.9	0.50	ug/l	25.0		100	70-130			
Methylene Chloride	24.0	1.0	ug/l	25.0		96	70-130			
4-Methyl-2-pentanone (MIBK)	31.0	2.5	ug/l	25.0		124	61-142			
Methyl-tert-butyl Ether (MTBE)	28.2	0.50	ug/l	25.0		113	70-130			
Naphthalene	28.6	2.5	ug/l	25.0		115	65-129			
n-Propylbenzene	25.9	0.50	ug/l	25.0		104	70-130			
Styrene	26.8	0.50	ug/l	25.0		107	70-130			
1,1,1,2-Tetrachloroethane	24.6	0.50	ug/l	25.0		98	70-130			
1,1,2,2-Tetrachloroethane	27.3	0.50	ug/l	25.0		109	70-130			
Tetrachloroethene	24.2	0.50	ug/l	25.0		97	70-130			
Toluene	25.4	0.50	ug/l	25.0		101	70-130			
1,2,3-Trichlorobenzene	28.1	1.0	ug/l	25.0		113	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	25.5	0.50	ug/l	25.0		102	70-130			
1,1,2-Trichloroethane	27.5	0.50	ug/l	25.0		110	70-130			
Trichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Trichlorofluoromethane	27.5	0.50	ug/l	25.0		110	78-149			
1,2,3-Trichloropropane	27.6	1.0	ug/l	25.0		110	70-130			
1,2,4-Trimethylbenzene	25.9	0.50	ug/l	25.0		104	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.9	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	23.8	0.50	ug/l	25.0		95	66-134			
Xylenes, Total	49.9	1.0	ug/l	50.0		100	70-130			
Freon 113	25.8	2.0	ug/l	25.0		103	63-136			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
LCS Dup Analyzed: 03/25/2011 (11C0967-BSD1)										
Acetone	28.4	10	ug/l	25.0		114	30-150	13	35	*VI*
Benzene	25.6	0.50	ug/l	25.0		102	70-130	5	20	
Bromobenzene	25.6	0.50	ug/l	25.0		102	70-130	2	20	
Bromochloromethane	26.1	0.50	ug/l	25.0		104	70-130	3	20	
Bromodichloromethane	26.8	0.50	ug/l	25.0		107	70-130	2	20	
Bromoform	24.0	1.0	ug/l	25.0		96	67-122	1	20	
Bromomethane	25.8	1.0	ug/l	25.0		103	64-132	3	20	
2-Butanone (MEK)	30.2	2.5	ug/l	25.0		121	48-150	3	33	
n-Butylbenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
sec-Butylbenzene	26.5	0.50	ug/l	25.0		106	70-130	5	20	
tert-Butylbenzene	25.9	0.50	ug/l	25.0		104	70-130	2	20	
Carbon disulfide	28.2	0.50	ug/l	25.0		113	61-126	6	20	
Carbon tetrachloride	27.2	0.50	ug/l	25.0		109	70-130	3	20	
Chlorobenzene	25.4	0.50	ug/l	25.0		102	70-130	3	20	
Chloroethane	25.9	1.0	ug/l	25.0		104	69-128	7	20	
Chloroform	25.1	0.50	ug/l	25.0		100	70-130	4	20	
Chloromethane	18.7	1.0	ug/l	25.0		75	56-131	8	20	
2-Chlorotoluene	25.2	0.50	ug/l	25.0		101	70-130	2	20	
4-Chlorotoluene	26.8	0.50	ug/l	25.0		107	70-130	5	20	
Dibromochloromethane	27.9	0.50	ug/l	25.0		111	70-130	4	20	
1,2-Dibromo-3-chloropropane	26.8	2.5	ug/l	25.0		107	63-129	4	25	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130	1	20	
Dibromomethane	27.2	0.50	ug/l	25.0		109	70-130	4	20	
1,2-Dichlorobenzene	26.2	0.50	ug/l	25.0		105	70-130	4	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	70-130	5	20	
1,4-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130	4	20	
Dichlorodifluoromethane	21.7	0.50	ug/l	25.0		87	42-150	5	20	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0		105	70-130	6	20	
1,2-Dichloroethane	26.5	0.50	ug/l	25.0		106	72-133	3	20	
1,1-Dichloroethene	26.6	0.50	ug/l	25.0		106	70-130	5	20	
cis-1,2-Dichloroethene	25.6	0.50	ug/l	25.0		102	70-130	8	20	
trans-1,2-Dichloroethene	26.6	0.50	ug/l	25.0		106	70-130	7	20	
1,2-Dichloropropane	26.3	0.50	ug/l	25.0		105	70-130	2	20	
1,3-Dichloropropane	25.5	0.50	ug/l	25.0		102	70-130	0.9	20	
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	70-130	2	20	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
LCS Dup Analyzed: 03/25/2011 (11C0967-BSD1)										
1,1-Dichloropropene	26.8	0.50	ug/l	25.0		107	70-130	4	20	
cis-1,3-Dichloropropene	27.9	0.50	ug/l	25.0		112	70-130	0.8	20	
trans-1,3-Dichloropropene	29.9	0.50	ug/l	25.0		120	70-130	3	20	
Ethylbenzene	25.4	0.50	ug/l	25.0		102	70-130	2	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	5	20	
2-Hexanone	29.0	2.5	ug/l	25.0		116	44-150	12	31	
Iodomethane	25.1	2.5	ug/l	25.0		101	58-138	12	25	
Isopropylbenzene	29.2	0.50	ug/l	25.0		117	70-130	4	20	
p-Isopropyltoluene	26.8	0.50	ug/l	25.0		107	70-130	7	20	
Methylene Chloride	26.1	1.0	ug/l	25.0		105	70-130	9	20	
4-Methyl-2-pentanone (MIBK)	30.5	2.5	ug/l	25.0		122	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	28.8	0.50	ug/l	25.0		115	70-130	2	20	
Naphthalene	29.8	2.5	ug/l	25.0		119	65-129	4	20	
n-Propylbenzene	27.7	0.50	ug/l	25.0		111	70-130	7	20	
Styrene	27.2	0.50	ug/l	25.0		109	70-130	1	20	
1,1,1,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	70-130	0.9	20	
1,1,2,2-Tetrachloroethane	27.8	0.50	ug/l	25.0		111	70-130	2	20	
Tetrachloroethene	25.4	0.50	ug/l	25.0		102	70-130	5	20	
Toluene	26.3	0.50	ug/l	25.0		105	70-130	4	20	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	70-130	2	20	
1,2,4-Trichlorobenzene	28.0	1.0	ug/l	25.0		112	70-130	2	20	
1,1,1-Trichloroethane	26.8	0.50	ug/l	25.0		107	70-130	5	20	
1,1,2-Trichloroethane	28.0	0.50	ug/l	25.0		112	70-130	2	20	
Trichloroethene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
Trichlorofluoromethane	28.8	0.50	ug/l	25.0		115	78-149	5	20	
1,2,3-Trichloropropane	27.8	1.0	ug/l	25.0		111	70-130	0.9	20	
1,2,4-Trimethylbenzene	26.8	0.50	ug/l	25.0		107	70-130	3	20	
1,3,5-Trimethylbenzene	26.3	0.50	ug/l	25.0		105	70-130	4	20	
Vinyl Acetate	37.6	1.0	ug/l	25.0		150	57-149	2	21	*L3*
Vinyl chloride	26.0	0.50	ug/l	25.0		104	66-134	9	20	
Xylenes, Total	52.0	1.0	ug/l	50.0		104	70-130	4	20	
Freon 113	27.0	2.0	ug/l	25.0		108	63-136	5	20	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*70-130*			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Matrix Spike Analyzed: 03/25/2011 (11C0967-MS1)					Source: PUC1590-02					
Acetone	17.5	10	ug/l	25.0	ND	70	10-150			*VI*
Benzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Bromobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Bromochloromethane	25.0	0.50	ug/l	25.0	ND	100	70-130			
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126			
Bromomethane	25.2	1.0	ug/l	25.0	ND	101	55-136			
2-Butanone (MEK)	23.0	2.5	ug/l	25.0	ND	92	22-150			
n-Butylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
sec-Butylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
tert-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130			
Carbon disulfide	28.8	0.50	ug/l	25.0	0.270	114	56-132			
Carbon tetrachloride	26.5	0.50	ug/l	25.0	ND	106	76-131			
Chlorobenzene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Chloroethane	24.9	1.0	ug/l	25.0	ND	100	67-134			
Chloroform	23.1	0.50	ug/l	25.0	ND	93	70-130			
Chloromethane	16.3	1.0	ug/l	25.0	ND	65	50-135			
2-Chlorotoluene	24.9	0.50	ug/l	25.0	ND	100	70-130			
4-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	101	70-130			
Dibromochloromethane	25.2	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0	ND	95	60-135			
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0	ND	95	70-130			
Dibromomethane	24.4	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
1,3-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0	ND	87	36-150			
1,1-Dichloroethane	25.1	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	24.0	0.50	ug/l	25.0	ND	96	68-143			
1,1-Dichloroethene	27.2	0.50	ug/l	25.0	ND	109	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-130			
trans-1,2-Dichloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130			
1,2-Dichloropropane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,3-Dichloropropane	23.4	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	28.8	1.0	ug/l	25.0	ND	115	66-130			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Matrix Spike Analyzed: 03/25/2011 (11C0967-MS1)					**Source: PUC1590-02**					
1,1-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0	ND	111	71-132			
Ethylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
Hexachlorobutadiene	24.4	1.0	ug/l	25.0	ND	98	66-129			
2-Hexanone	23.7	2.5	ug/l	25.0	ND	95	18-150			
Iodomethane	26.3	2.5	ug/l	25.0	ND	105	47-141			
Isopropylbenzene	29.4	0.50	ug/l	25.0	ND	118	78-137			
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Methylene Chloride	23.6	1.0	ug/l	25.0	ND	94	74-132			
4-Methyl-2-pentanone (MIBK)	26.4	2.5	ug/l	25.0	ND	105	56-145			
Methyl-tert-butyl Ether (MTBE)	26.3	0.50	ug/l	25.0	ND	105	67-138			
Naphthalene	27.6	2.5	ug/l	25.0	ND	110	54-135			
n-Propylbenzene	26.8	0.50	ug/l	25.0	ND	107	70-130			
Styrene	25.6	0.50	ug/l	25.0	ND	102	51-123			
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0	ND	92	70-130			
1,1,2,2-Tetrachloroethane	25.2	0.50	ug/l	25.0	ND	101	69-133			
Tetrachloroethene	25.3	0.50	ug/l	25.0	ND	101	70-130			
Toluene	25.1	0.50	ug/l	25.0	ND	100	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.6	1.0	ug/l	25.0	ND	103	66-126			
1,1,1-Trichloroethane	26.0	0.50	ug/l	25.0	ND	104	76-132			
1,1,2-Trichloroethane	25.4	0.50	ug/l	25.0	ND	101	70-130			
Trichloroethene	25.1	0.50	ug/l	25.0	ND	100	70-130			
Trichlorofluoromethane	28.4	0.50	ug/l	25.0	ND	114	74-150			
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	25.4	0.50	ug/l	25.0	ND	101	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0	ND	101	61-138			
Vinyl Acetate	36.0	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	58-139			
Xylenes, Total	48.2	1.0	ug/l	50.0	ND	96	70-130			
Freon 113	26.9	2.0	ug/l	25.0	ND	108	56-148			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Matrix Spike Dup Analyzed: 03/25/2011 (11C0967-MSD1)					**Source: PUC1590-02**					
Acetone	17.6	10	ug/l	25.0	ND	70	10-150	0.5	35	*V1*
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-130	0.3	20	
Bromobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	3	20	
Bromochloromethane	24.6	0.50	ug/l	25.0	ND	99	70-130	1	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130	0.1	20	
Bromoform	21.9	1.0	ug/l	25.0	ND	88	62-126	0.8	20	
Bromomethane	23.9	1.0	ug/l	25.0	ND	96	55-136	5	24	
2-Butanone (MEK)	25.4	2.5	ug/l	25.0	ND	102	22-150	10	31	
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	1	20	
sec-Butylbenzene	24.9	0.50	ug/l	25.0	ND	100	70-130	1	20	
tert-Butylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Carbon disulfide	27.6	0.50	ug/l	25.0	0.270	110	56-132	4	20	
Carbon tetrachloride	25.5	0.50	ug/l	25.0	ND	102	76-131	4	20	
Chlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	1	20	
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	67-134	2	20	
Chloroform	23.1	0.50	ug/l	25.0	ND	92	70-130	0.3	20	
Chloromethane	15.0	1.0	ug/l	25.0	ND	60	50-135	8	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0	ND	96	70-130	4	20	
4-Chlorotoluene	24.1	0.50	ug/l	25.0	ND	96	70-130	5	20	
Dibromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,2-Dibromo-3-chloropropane	24.3	2.5	ug/l	25.0	ND	97	60-135	2	29	
1,2-Dibromoethane (EDB)	24.1	0.50	ug/l	25.0	ND	96	70-130	0.8	20	
Dibromomethane	25.2	0.50	ug/l	25.0	ND	101	70-130	3	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
1,3-Dichlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,4-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130	3	20	
Dichlorodifluoromethane	21.7	0.50	ug/l	25.0	ND	87	36-150	0.3	22	
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	ND	98	70-130	3	20	
1,2-Dichloroethane	24.2	0.50	ug/l	25.0	ND	97	68-143	0.6	20	
1,1-Dichloroethene	25.9	0.50	ug/l	25.0	ND	104	70-130	5	20	
cis-1,2-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
trans-1,2-Dichloroethene	25.1	0.50	ug/l	25.0	ND	100	70-130	3	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0	ND	99	70-130	0.4	20	
1,3-Dichloropropane	24.2	0.50	ug/l	25.0	ND	97	70-130	3	20	
2,2-Dichloropropane	27.5	1.0	ug/l	25.0	ND	110	66-130	5	20	

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0967 Extracted: 03/25/11										
Matrix Spike Dup Analyzed: 03/25/2011 (11C0967-MSD1)					Source: PUC1590-02					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	4	20	
cis-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	70-130	2	20	
trans-1,3-Dichloropropene	28.8	0.50	ug/l	25.0	ND	115	71-132	4	20	
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	0.9	20	
Hexachlorobutadiene	23.9	1.0	ug/l	25.0	ND	95	66-129	2	21	
2-Hexanone	25.0	2.5	ug/l	25.0	ND	100	18-150	5	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	111	47-141	5	29	
Isopropylbenzene	27.9	0.50	ug/l	25.0	ND	112	78-137	5	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0	ND	97	70-130	5	20	
Methylene Chloride	23.8	1.0	ug/l	25.0	ND	95	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	28.9	2.5	ug/l	25.0	ND	115	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	27.4	0.50	ug/l	25.0	ND	110	67-138	4	21	
Naphthalene	27.9	2.5	ug/l	25.0	ND	112	54-135	1	33	
n-Propylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	3	20	
Styrene	25.5	0.50	ug/l	25.0	ND	102	51-123	0.4	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
1,1,2,2-Tetrachloroethane	26.5	0.50	ug/l	25.0	ND	106	69-133	5	20	
Tetrachloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130	4	20	
Toluene	25.1	0.50	ug/l	25.0	ND	100	70-130	0.04	20	
1,2,3-Trichlorobenzene	25.5	1.0	ug/l	25.0	ND	102	70-130	0.9	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	66-126	1	20	
1,1,1-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	76-132	5	20	
1,1,2-Trichloroethane	26.9	0.50	ug/l	25.0	ND	108	70-130	6	20	
Trichloroethene	24.7	0.50	ug/l	25.0	ND	99	70-130	1	20	
Trichlorofluoromethane	27.3	0.50	ug/l	25.0	ND	109	74-150	4	20	
1,2,3-Trichloropropane	26.2	1.0	ug/l	25.0	ND	105	70-130	3	20	
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,3,5-Trimethylbenzene	24.4	0.50	ug/l	25.0	ND	98	61-138	3	33	
Vinyl Acetate	38.0	1.0	ug/l	25.0	ND	152	50-150	5	23	*NI*
Vinyl chloride	25.0	0.50	ug/l	25.0	ND	100	58-139	3	21	
Xylenes, Total	48.4	1.0	ug/l	50.0	ND	97	70-130	0.5	20	
Freon 113	26.7	2.0	ug/l	25.0	ND	107	56-148	0.8	22	
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

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: 11C0768 Extracted: 03/21/11										
Blank Analyzed: 03/23/2011 (11C0768-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.5*		*ug/l*	*20.0*		*88*	*30-130*			
LCS Analyzed: 03/23/2011 (11C0768-BS1)										Q8
1,4-Dioxane	20.3	1.0	ug/l	20.0		102	85-115			
Surrogate: 1,4-Dioxane-d8	*18.7*		*ug/l*	*20.0*		*94*	*30-105*			
Surrogate: Nitrobenzene-d5	*20.7*		*ug/l*	*20.0*		*104*	*35-140*			
LCS Dup Analyzed: 03/23/2011 (11C0768-BSD1)										Q8
1,4-Dioxane	20.5	1.0	ug/l	20.0		102	85-115	0.8	20	
Surrogate: 1,4-Dioxane-d8	*19.6*		*ug/l*	*20.0*		*98*	*30-105*			
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*101*	*35-140*			

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	Project ID: 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/18/11
Scottsdale, AZ 85251	Report Number: PUC1289	Received: 03/18/11
Attention: Jason Hilker		

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.
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

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: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

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) 454-6303
[ ] 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. Scottsdale, AZ 85251	Project/PO Number: 0096498.009	Analysis Required
Project Manager: Jason Hilker Send Report to: Jason.Hilker@ERM.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number: 480-998-2106	

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
EW-13-118-S-031811	W	40mL VOA	3	3/18/11	1417	HCl	x	x								PUC1289-01
EW-13-168-M-031811					1330											-02
EW-13-228-D-031811					1240											-03
EW-13-268-D-031811					1050											-04
GW-EB9-031811					1418											-05
GW-LI-10-031811		40mL	1		-	HCl		-								TRIP BLANK-06

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM / ERM	3/18 1530			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/18/11 1530	Intact ✓	on ice ✓ 0.8°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.

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 0096498.009

Sampled: 03/08/11
Received: 03/08/11
Issued: 03/18/11 08:15

NELAP #01109CA 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
PUC0525-01	OU3-11M2-M2-030811	Water
PUC0525-02	OU3-11M-M-030811	Water
PUC0525-03	OU3-11S-S-030811	Water
PUC0525-04	BE-MW-8-S-030811	Water
PUC0525-05	BE-MW-8-S-030811-R1	Water
PUC0525-06	OU3-4S-S-030811	Water
PUC0525-07	EW-21-S-030811	Water
PUC0525-08	EW-21-S-030811-Q1	Water
PUC0525-09	EW-21-S-030811-EB	Water
PUC0525-10	GW-L1-1-030811	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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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.

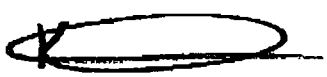
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 = The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Vinyl Acetate. All associated samples are non-detect for this compound and therefore should not be impacted.
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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-01 (OU3-11M2-M2-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-01 (OU3-11M2-M2-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*114 %*				
Surrogate: Toluene-d8 (70-130%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-02 (OU3-11M-M-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-02 (OU3-11M-M-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*111 %*				
Surrogate: Toluene-d8 (70-130%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*106 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-03 (OU3-11S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	0.73	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-03 (OU3-11S-S-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	**1.6**	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*121 %*				
Surrogate: Toluene-d8 (70-130%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-04 (BE-MW-8-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-04 (BE-MW-8-S-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	**8.8**	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	**0.50**	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*122 %*				
Surrogate: Toluene-d8 (70-130%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-05 (BE-MW-8-S-030811-R1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	**4.6**	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	**8.3**	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	**1.7**	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-05 (BE-MW-8-S-030811-R1 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*126 %*				
Surrogate: Toluene-d8 (70-130%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*104 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-06RE1 (OU3-4S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	1.2	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-06RE1 (OU3-4S-S-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	**3.3**	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-07RE1 (EW-21-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	0.80	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-07RE1 (EW-21-S-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**3.0**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-08 (EW-21-S-030811-Q1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	0.85	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-08 (EW-21-S-030811-Q1 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**3.0**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-09 (EW-21-S-030811-EB - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	**3.9**	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**6.1**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	**1.5**	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-09 (EW-21-S-030811-EB - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-10 (GW-L1-1-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/14/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Chloroform	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-10 (GW-L1-1-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/14/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*102 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-01 (OU3-11M2-M2-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	1.0	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0525-02 (OU3-11M-M-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	1.1	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0525-03 (OU3-11S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*79 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-04 (BE-MW-8-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-05 (BE-MW-8-S-030811-R1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*78 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*87 %*				
Sample ID: PUC0525-06 (OU3-4S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*81 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*89 %*				
Sample ID: PUC0525-07 (EW-21-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: PUC0525-08 (EW-21-S-030811-Q1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*77 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-09 (EW-21-S-030811-EB - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C0395-BLK1)										
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	0.50	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							

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C0395-BLK1)										
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	*26.9*		*ug/l*	*25.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C0395-BS1)										
Acetone	15.4	10	ug/l	25.0		62	30-150			
Benzene	23.9	0.50	ug/l	25.0		95	70-130			
Bromobenzene	24.7	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromodichloromethane	27.1	0.50	ug/l	25.0		108	70-130			
Bromoform	22.6	1.0	ug/l	25.0		90	67-122			
Bromomethane	24.4	1.0	ug/l	25.0		98	64-132			
2-Butanone (MEK)	20.4	2.5	ug/l	25.0		82	48-150			
n-Butylbenzene	26.4	0.50	ug/l	25.0		105	70-130			
sec-Butylbenzene	24.0	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.0	0.50	ug/l	25.0		96	70-130			
Carbon disulfide	26.4	0.50	ug/l	25.0		106	61-126			
Carbon tetrachloride	27.8	0.50	ug/l	25.0		111	70-130			
Chlorobenzene	25.5	0.50	ug/l	25.0		102	70-130			
Chloroethane	25.0	1.0	ug/l	25.0		100	69-128			
Chloroform	26.4	0.50	ug/l	25.0		105	70-130			
Chloromethane	25.7	1.0	ug/l	25.0		103	56-131			
2-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
4-Chlorotoluene	25.7	0.50	ug/l	25.0		103	70-130			
Dibromochloromethane	24.4	0.50	ug/l	25.0		98	70-130			
1,2-Dibromo-3-chloropropane	25.2	2.5	ug/l	25.0		101	63-129			
1,2-Dibromoethane (EDB)	26.0	0.50	ug/l	25.0		104	70-130			
Dibromomethane	27.5	0.50	ug/l	25.0		110	70-130			
1,2-Dichlorobenzene	25.6	0.50	ug/l	25.0		102	70-130			
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130			
1,4-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130			
Dichlorodifluoromethane	30.0	0.50	ug/l	25.0		120	42-150			
1,1-Dichloroethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		114	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
trans-1,2-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
1,2-Dichloropropane	25.2	0.50	ug/l	25.0		101	70-130			
1,3-Dichloropropane	25.9	0.50	ug/l	25.0		104	70-130			
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	70-130			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C0395-BS1)										
1,1-Dichloropropene	24.9	0.50	ug/l	25.0		99	70-130			
cis-1,3-Dichloropropene	26.7	0.50	ug/l	25.0		107	70-130			
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130			
Ethylbenzene	25.4	0.50	ug/l	25.0		102	70-130			
Hexachlorobutadiene	29.4	1.0	ug/l	25.0		118	70-130			
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150			
Iodomethane	26.4	2.5	ug/l	25.0		105	58-138			
Isopropylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
p-Isopropyltoluene	26.0	0.50	ug/l	25.0		104	70-130			
Methylene Chloride	22.8	1.0	ug/l	25.0		91	70-130			
4-Methyl-2-pentanone (MIBK)	29.0	2.5	ug/l	25.0		116	61-142			
Methyl-tert-butyl Ether (MTBE)	27.5	0.50	ug/l	25.0		110	70-130			
Naphthalene	24.4	2.5	ug/l	25.0		98	65-129			
n-Propylbenzene	25.2	0.50	ug/l	25.0		101	70-130			
Styrene	24.1	0.50	ug/l	25.0		96	70-130			
1,1,1,2-Tetrachloroethane	27.4	0.50	ug/l	25.0		109	70-130			
1,1,2,2-Tetrachloroethane	25.4	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	24.6	0.50	ug/l	25.0		98	70-130			
1,2,3-Trichlorobenzene	29.0	1.0	ug/l	25.0		116	70-130			
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	70-130			
1,1,1-Trichloroethane	26.4	0.50	ug/l	25.0		105	70-130			
1,1,2-Trichloroethane	27.6	0.50	ug/l	25.0		110	70-130			
Trichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Trichlorofluoromethane	31.3	0.50	ug/l	25.0		125	78-149			
1,2,3-Trichloropropane	26.1	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
Vinyl Acetate	44.0	1.0	ug/l	25.0		176	57-149			*L3*
Vinyl chloride	27.4	0.50	ug/l	25.0		109	66-134			
Xylenes, Total	51.1	1.0	ug/l	50.0		102	70-130			
Freon 113	25.4	2.0	ug/l	25.0		101	63-136			
Surrogate: Dibromofluoromethane	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*30.2*		*ug/l*	*25.0*		*121*	*70-130*			

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 0096498.009

Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
LCS Dup Analyzed: 03/10/2011 (11C0395-BSD1)										
Acetone	31.4	10	ug/l	25.0		126	30-150	69	35	*R6*
Benzene	25.2	0.50	ug/l	25.0		101	70-130	5	20	
Bromobenzene	26.4	0.50	ug/l	25.0		106	70-130	7	20	
Bromochloromethane	28.2	0.50	ug/l	25.0		113	70-130	9	20	
Bromodichloromethane	29.0	0.50	ug/l	25.0		116	70-130	7	20	
Bromoform	24.3	1.0	ug/l	25.0		97	67-122	7	20	
Bromomethane	26.7	1.0	ug/l	25.0		107	64-132	9	20	
2-Butanone (MEK)	31.6	2.5	ug/l	25.0		126	48-150	43	33	*R6*
n-Butylbenzene	26.2	0.50	ug/l	25.0		105	70-130	0.7	20	
sec-Butylbenzene	24.6	0.50	ug/l	25.0		98	70-130	2	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
Carbon disulfide	28.9	0.50	ug/l	25.0		115	61-126	9	20	
Carbon tetrachloride	29.1	0.50	ug/l	25.0		116	70-130	5	20	
Chlorobenzene	25.0	0.50	ug/l	25.0		100	70-130	2	20	
Chloroethane	27.6	1.0	ug/l	25.0		110	69-128	10	20	
Chloroform	28.6	0.50	ug/l	25.0		114	70-130	8	20	
Chloromethane	27.5	1.0	ug/l	25.0		110	56-131	7	20	
2-Chlorotoluene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
4-Chlorotoluene	25.4	0.50	ug/l	25.0		101	70-130	1	20	
Dibromochloromethane	26.1	0.50	ug/l	25.0		104	70-130	7	20	
1,2-Dibromo-3-chloropropane	26.4	2.5	ug/l	25.0		106	63-129	5	25	
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25.0		110	70-130	5	20	
Dibromomethane	30.2	0.50	ug/l	25.0		121	70-130	9	20	
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	70-130	0.7	20	
1,3-Dichlorobenzene	26.3	0.50	ug/l	25.0		105	70-130	5	20	
1,4-Dichlorobenzene	24.7	0.50	ug/l	25.0		99	70-130	3	20	
Dichlorodifluoromethane	33.3	0.50	ug/l	25.0		133	42-150	10	20	
1,1-Dichloroethane	27.1	0.50	ug/l	25.0		108	70-130	4	20	
1,2-Dichloroethane	31.1	0.50	ug/l	25.0		125	72-133	9	20	
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130	7	20	
cis-1,2-Dichloroethene	26.2	0.50	ug/l	25.0		105	70-130	5	20	
trans-1,2-Dichloroethene	27.2	0.50	ug/l	25.0		109	70-130	8	20	
1,2-Dichloropropane	27.4	0.50	ug/l	25.0		109	70-130	8	20	
1,3-Dichloropropane	26.8	0.50	ug/l	25.0		107	70-130	3	20	
2,2-Dichloropropane	27.8	1.0	ug/l	25.0		111	70-130	3	20	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
LCS Dup Analyzed: 03/10/2011 (11C0395-BSD1)										
1,1-Dichloropropene	26.0	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	29.4	0.50	ug/l	25.0		117	70-130	9	20	
trans-1,3-Dichloropropene	26.7	0.50	ug/l	25.0		107	70-130	2	20	
Ethylbenzene	26.4	0.50	ug/l	25.0		105	70-130	4	20	
Hexachlorobutadiene	28.9	1.0	ug/l	25.0		115	70-130	2	20	
2-Hexanone	36.6	2.5	ug/l	25.0		146	44-150	46	31	*R6*
Iodomethane	29.2	2.5	ug/l	25.0		117	58-138	10	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	0.4	20	
p-Isopropyltoluene	26.0	0.50	ug/l	25.0		104	70-130	0.3	20	
Methylene Chloride	25.2	1.0	ug/l	25.0		101	70-130	10	20	
4-Methyl-2-pentanone (MIBK)	34.3	2.5	ug/l	25.0		137	61-142	17	22	
Methyl-tert-butyl Ether (MTBE)	29.9	0.50	ug/l	25.0		120	70-130	8	20	
Naphthalene	26.1	2.5	ug/l	25.0		104	65-129	7	20	
n-Propylbenzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Styrene	24.4	0.50	ug/l	25.0		97	70-130	1	20	
1,1,1,2-Tetrachloroethane	27.9	0.50	ug/l	25.0		112	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	26.2	0.50	ug/l	25.0		105	70-130	9	20	
Toluene	24.6	0.50	ug/l	25.0		98	70-130	0	20	
1,2,3-Trichlorobenzene	30.6	1.0	ug/l	25.0		123	70-130	5	20	
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	70-130	0.1	20	
1,1,1-Trichloroethane	29.7	0.50	ug/l	25.0		119	70-130	12	20	
1,1,2-Trichloroethane	28.7	0.50	ug/l	25.0		115	70-130	4	20	
Trichloroethene	27.6	0.50	ug/l	25.0		111	70-130	10	20	
Trichlorofluoromethane	34.2	0.50	ug/l	25.0		137	78-149	9	20	
1,2,3-Trichloropropane	26.8	1.0	ug/l	25.0		107	70-130	3	20	
1,2,4-Trimethylbenzene	26.6	0.50	ug/l	25.0		107	70-130	5	20	
1,3,5-Trimethylbenzene	25.4	0.50	ug/l	25.0		102	70-130	2	20	
Vinyl Acetate	47.4	1.0	ug/l	25.0		190	57-149	7	21	*L3*
Vinyl chloride	27.8	0.50	ug/l	25.0		111	66-134	1	20	
Xylenes, Total	52.3	1.0	ug/l	50.0		105	70-130	2	20	
Freon 113	28.0	2.0	ug/l	25.0		112	63-136	10	20	
Surrogate: Dibromofluoromethane	*30.8*		*ug/l*	*25.0*		*123*	*70-130*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*29.0*		*ug/l*	*25.0*		*116*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Matrix Spike Analyzed: 03/10/2011 (11C0395-MS1)					**Source: PUC0505-08**					
Acetone	12.6	10	ug/l	25.0	ND	50	10-150			
Benzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromobenzene	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130			
Bromodichloromethane	27.7	0.50	ug/l	25.0	ND	111	70-130			
Bromoform	22.6	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	23.3	1.0	ug/l	25.0	ND	93	55-136			
2-Butanone (MEK)	17.7	2.5	ug/l	25.0	ND	71	22-150			
n-Butylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
sec-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
tert-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0	ND	97	56-132			
Carbon tetrachloride	27.5	0.50	ug/l	25.0	ND	110	76-131			
Chlorobenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	67-134			
Chloroform	24.9	0.50	ug/l	25.0	ND	99	70-130			
Chloromethane	21.8	1.0	ug/l	25.0	ND	87	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	25.5	2.5	ug/l	25.0	ND	102	60-135			
1,2-Dibromoethane (EDB)	26.2	0.50	ug/l	25.0	ND	105	70-130			
Dibromomethane	27.8	0.50	ug/l	25.0	ND	111	70-130			
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,3-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,4-Dichlorobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Dichlorodifluoromethane	25.0	0.50	ug/l	25.0	ND	100	36-150			
1,1-Dichloroethane	23.9	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichloroethane	26.6	0.50	ug/l	25.0	ND	106	68-143			
1,1-Dichloroethene	21.0	0.50	ug/l	25.0	ND	84	70-130			
cis-1,2-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
trans-1,2-Dichloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
1,2-Dichloropropane	25.1	0.50	ug/l	25.0	ND	100	70-130			
1,3-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130			
2,2-Dichloropropane	24.7	1.0	ug/l	25.0	ND	99	66-130			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Matrix Spike Analyzed: 03/10/2011 (11C0395-MS1)					**Source: PUC0505-08**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130			
cis-1,3-Dichloropropene	26.6	0.50	ug/l	25.0	ND	106	70-130			
trans-1,3-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Hexachlorobutadiene	28.5	1.0	ug/l	25.0	ND	114	66-129			
2-Hexanone	22.0	2.5	ug/l	25.0	ND	88	18-150			
Iodomethane	25.0	2.5	ug/l	25.0	ND	100	47-141			
Isopropylbenzene	24.7	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Methylene Chloride	22.0	1.0	ug/l	25.0	0.250	87	74-132			
4-Methyl-2-pentanone (MIBK)	28.1	2.5	ug/l	25.0	ND	113	56-145			
Methyl-tert-butyl Ether (MTBE)	25.6	0.50	ug/l	25.0	ND	102	67-138			
Naphthalene	24.5	2.5	ug/l	25.0	1.11	94	54-135			
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Styrene	21.6	0.50	ug/l	25.0	ND	87	51-123			
1,1,1,2-Tetrachloroethane	26.9	0.50	ug/l	25.0	ND	108	70-130			
1,1,2,2-Tetrachloroethane	25.0	0.50	ug/l	25.0	ND	100	69-133			
Tetrachloroethene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Toluene	23.9	0.50	ug/l	25.0	ND	95	70-130			
1,2,3-Trichlorobenzene	29.2	1.0	ug/l	25.0	ND	117	70-130			
1,2,4-Trichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	66-126			
1,1,1-Trichloroethane	25.1	0.50	ug/l	25.0	ND	101	76-132			
1,1,2-Trichloroethane	26.7	0.50	ug/l	25.0	ND	107	70-130			
Trichloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,3,5-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	61-138			
Vinyl Acetate	42.4	1.0	ug/l	25.0	ND	170	50-150			*NI*
Vinyl chloride	22.2	0.50	ug/l	25.0	ND	89	58-139			
Xylenes, Total	48.8	1.0	ug/l	50.0	ND	98	70-130			
Freon 113	23.3	2.0	ug/l	25.0	ND	93	56-148			
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*70-130*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.5*		*ug/l*	*25.0*		*114*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Matrix Spike Dup Analyzed: 03/10/2011 (11C0395-MSD1)					**Source: PUC0505-08**					
Acetone	14.0	10	ug/l	25.0	ND	56	10-150	11	35	
Benzene	25.5	0.50	ug/l	25.0	ND	102	70-130	12	20	
Bromobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Bromochloromethane	26.6	0.50	ug/l	25.0	ND	106	70-130	7	20	
Bromodichloromethane	28.8	0.50	ug/l	25.0	ND	115	70-130	4	20	
Bromoform	22.3	1.0	ug/l	25.0	ND	89	62-126	1	20	
Bromomethane	24.7	1.0	ug/l	25.0	ND	99	55-136	6	24	
2-Butanone (MEK)	18.1	2.5	ug/l	25.0	ND	72	22-150	3	31	
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	5	20	
sec-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130	1	20	
tert-Butylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.5	20	
Carbon disulfide	26.4	0.50	ug/l	25.0	ND	105	56-132	8	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	120	76-131	8	20	
Chlorobenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	0.6	20	
Chloroethane	24.6	1.0	ug/l	25.0	ND	98	67-134	7	20	
Chloroform	25.8	0.50	ug/l	25.0	ND	103	70-130	4	20	
Chloromethane	23.8	1.0	ug/l	25.0	ND	95	50-135	9	20	
2-Chlorotoluene	22.9	0.50	ug/l	25.0	ND	91	70-130	3	20	
4-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130	3	20	
Dibromochloromethane	24.3	0.50	ug/l	25.0	ND	97	70-130	1	20	
1,2-Dibromo-3-chloropropane	25.5	2.5	ug/l	25.0	ND	102	60-135	0.1	29	
1,2-Dibromoethane (EDB)	25.0	0.50	ug/l	25.0	ND	100	70-130	5	20	
Dibromomethane	29.3	0.50	ug/l	25.0	ND	117	70-130	6	20	
1,2-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	2	20	
1,3-Dichlorobenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	3	20	
1,4-Dichlorobenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	4	20	
Dichlorodifluoromethane	29.9	0.50	ug/l	25.0	ND	120	36-150	18	22	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0	ND	105	70-130	9	20	
1,2-Dichloroethane	28.0	0.50	ug/l	25.0	ND	112	68-143	5	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	93	70-130	10	20	
cis-1,2-Dichloroethene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
trans-1,2-Dichloroethene	24.6	0.50	ug/l	25.0	ND	98	70-130	7	20	
1,2-Dichloropropane	26.4	0.50	ug/l	25.0	ND	106	70-130	5	20	
1,3-Dichloropropane	25.6	0.50	ug/l	25.0	ND	102	70-130	3	20	
2,2-Dichloropropane	26.6	1.0	ug/l	25.0	ND	106	66-130	7	20	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0395 Extracted: 03/10/11										
Matrix Spike Dup Analyzed: 03/10/2011 (11C0395-MSD1)					**Source: PUC0505-08**					
1,1-Dichloropropene	26.3	0.50	ug/l	25.0	ND	105	70-130	4	20	
cis-1,3-Dichloropropene	28.6	0.50	ug/l	25.0	ND	114	70-130	7	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	71-132	5	20	
Ethylbenzene	24.9	0.50	ug/l	25.0	ND	99	70-130	0.6	20	
Hexachlorobutadiene	27.8	1.0	ug/l	25.0	ND	111	66-129	2	21	
2-Hexanone	21.8	2.5	ug/l	25.0	ND	87	18-150	0.8	25	
Iodomethane	26.7	2.5	ug/l	25.0	ND	107	47-141	7	29	
Isopropylbenzene	25.3	0.50	ug/l	25.0	ND	101	78-137	3	20	
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130	0.1	20	
Methylene Chloride	22.8	1.0	ug/l	25.0	0.250	90	74-132	3	20	
4-Methyl-2-pentanone (MIBK)	30.1	2.5	ug/l	25.0	ND	120	56-145	7	26	
Methyl-tert-butyl Ether (MTBE)	26.9	0.50	ug/l	25.0	ND	108	67-138	5	21	
Naphthalene	24.3	2.5	ug/l	25.0	1.11	93	54-135	0.8	33	
n-Propylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	0.2	20	
Styrene	20.5	0.50	ug/l	25.0	ND	82	51-123	5	21	
1,1,1,2-Tetrachloroethane	27.0	0.50	ug/l	25.0	ND	108	70-130	0.2	20	
1,1,2,2-Tetrachloroethane	24.7	0.50	ug/l	25.0	ND	99	69-133	1	20	
Tetrachloroethene	25.2	0.50	ug/l	25.0	ND	101	70-130	6	20	
Toluene	25.5	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0	ND	110	70-130	6	20	
1,2,4-Trichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	66-126	3	20	
1,1,1-Trichloroethane	27.8	0.50	ug/l	25.0	ND	111	76-132	10	20	
1,1,2-Trichloroethane	28.0	0.50	ug/l	25.0	ND	112	70-130	5	20	
Trichloroethene	26.3	0.50	ug/l	25.0	ND	105	70-130	7	20	
Trichlorofluoromethane	31.4	0.50	ug/l	25.0	ND	126	74-150	9	20	
1,2,3-Trichloropropane	24.7	1.0	ug/l	25.0	ND	99	70-130	3	20	
1,2,4-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,3,5-Trimethylbenzene	25.0	0.50	ug/l	25.0	ND	100	61-138	6	33	
Vinyl Acetate	40.8	1.0	ug/l	25.0	ND	163	50-150	4	23	*N1*
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	103	58-139	15	21	
Xylenes, Total	48.4	1.0	ug/l	50.0	ND	97	70-130	0.8	20	
Freon 113	25.7	2.0	ug/l	25.0	ND	103	56-148	10	22	
Surrogate: Dibromofluoromethane	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			
Surrogate: Toluene-d8	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
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	0.50	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							

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
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	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
Acetone	35.3	10	ug/l	25.0		141	30-150			
Benzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	22.2	0.50	ug/l	25.0		89	70-130			
Bromoform	24.2	1.0	ug/l	25.0		97	67-122			
Bromomethane	21.5	1.0	ug/l	25.0		86	64-132			
2-Butanone (MEK)	29.8	2.5	ug/l	25.0		119	48-150			
n-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	24.8	1.0	ug/l	25.0		99	69-128			
Chloroform	23.3	0.50	ug/l	25.0		93	70-130			
Chloromethane	22.0	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	24.9	0.50	ug/l	25.0		100	70-130			
4-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130			
Dibromochloromethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0		91	63-129			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0		93	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0		89	42-150			
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	22.9	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		97	70-130			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		90	70-130			
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130			
2,2-Dichloropropane	23.7	1.0	ug/l	25.0		95	70-130			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
1,1-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92	70-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130			
Ethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0		111	70-130			
2-Hexanone	32.4	2.5	ug/l	25.0		129	44-150			
Iodomethane	30.2	2.5	ug/l	25.0		121	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	25.7	0.50	ug/l	25.0		103	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	61-142			
Methyl-tert-butyl Ether (MTBE)	23.7	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.7	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	24.3	0.50	ug/l	25.0		97	70-130			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	22.9	0.50	ug/l	25.0		91	70-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	78-149			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.8	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	25.1	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	47.9	1.0	ug/l	50.0		96	70-130			
Freon 113	25.1	2.0	ug/l	25.0		100	63-136			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
Acetone	38.8	10	ug/l	25.0		155	30-150	9	35	*L3*
Benzene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
Bromobenzene	25.0	0.50	ug/l	25.0		100	70-130	0.6	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	0.04	20	
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
Bromoform	25.2	1.0	ug/l	25.0		101	67-122	4	20	
Bromomethane	22.0	1.0	ug/l	25.0		88	64-132	2	20	
2-Butanone (MEK)	31.1	2.5	ug/l	25.0		124	48-150	4	33	
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130	3	20	
sec-Butylbenzene	25.1	0.50	ug/l	25.0		101	70-130	4	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0		97	70-130	6	20	
Carbon disulfide	23.4	0.50	ug/l	25.0		94	61-126	4	20	
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130	0.6	20	
Chlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	1	20	
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128	3	20	
Chloroform	22.9	0.50	ug/l	25.0		92	70-130	2	20	
Chloromethane	21.6	1.0	ug/l	25.0		86	56-131	2	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0		96	70-130	4	20	
4-Chlorotoluene	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromochloromethane	24.1	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		98	63-129	7	25	
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromomethane	25.0	0.50	ug/l	25.0		100	70-130	7	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	2	20	
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Dichlorodifluoromethane	20.9	0.50	ug/l	25.0		84	42-150	6	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	6	20	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	72-133	1	20	
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	4	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	5	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-130	3	20	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
1,1-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130	0.5	20	
cis-1,3-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130	2	20	
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
Ethylbenzene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0		105	70-130	6	20	
2-Hexanone	34.2	2.5	ug/l	25.0		137	44-150	6	31	
Iodomethane	27.9	2.5	ug/l	25.0		112	58-138	8	25	
Isopropylbenzene	27.0	0.50	ug/l	25.0		108	70-130	4	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		90	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	27.2	2.5	ug/l	25.0		109	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	ug/l	25.0		96	70-130	1	20	
Naphthalene	29.4	2.5	ug/l	25.0		118	65-129	6	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	5	20	
Styrene	24.1	0.50	ug/l	25.0		97	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	23.1	0.50	ug/l	25.0		92	70-130	3	20	
Toluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
1,2,3-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.1	20	
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	0.8	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	70-130	6	20	
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130	0.2	20	
Trichlorofluoromethane	27.2	0.50	ug/l	25.0		109	78-149	3	20	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	70-130	0.7	20	
1,2,4-Trimethylbenzene	24.5	0.50	ug/l	25.0		98	70-130	7	20	
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25.0		99	70-130	3	20	
Vinyl Acetate	36.1	1.0	ug/l	25.0		144	57-149	2	21	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	66-134	5	20	
Xylenes, Total	47.4	1.0	ug/l	50.0		95	70-130	0.9	20	
Freon 113	23.7	2.0	ug/l	25.0		95	63-136	6	20	
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
Acetone	20.4	10	ug/l	25.0	ND	81	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Bromodichloromethane	21.4	0.50	ug/l	25.0	0.110	85	70-130			
Bromoform	22.4	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	20.1	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	21.7	2.5	ug/l	25.0	ND	87	22-150			
n-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Carbon disulfide	23.0	0.50	ug/l	25.0	0.220	91	56-132			
Carbon tetrachloride	23.1	0.50	ug/l	25.0	ND	93	76-131			
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Chloroethane	22.6	1.0	ug/l	25.0	ND	91	67-134			
Chloroform	21.7	0.50	ug/l	25.0	0.750	84	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dichlorodifluoromethane	19.7	0.50	ug/l	25.0	ND	79	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	21.3	0.50	ug/l	25.0	0.120	85	70-130			
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0	ND	89	66-130			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	70-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	71-132			
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.4	2.5	ug/l	25.0	ND	94	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132			
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	26.3	2.5	ug/l	25.0	ND	105	54-135			
n-Propylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Styrene	23.0	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,1,2,2-Tetrachloroethane	23.6	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	24.8	0.50	ug/l	25.0	1.62	93	70-130			
Toluene	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	97	70-130			
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	66-126			
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Trichloroethene	23.0	0.50	ug/l	25.0	0.990	88	70-130			
Trichlorofluoromethane	26.5	0.50	ug/l	25.0	ND	106	74-150			
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	61-138			
Vinyl Acetate	36.6	1.0	ug/l	25.0	ND	146	50-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	58-139			
Xylenes, Total	45.6	1.0	ug/l	50.0	ND	91	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
Acetone	15.4	10	ug/l	25.0	ND	61	10-150	28	35	
Benzene	22.4	0.50	ug/l	25.0	ND	89	70-130	4	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	101	70-130	11	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	8	20	
Bromodichloromethane	21.1	0.50	ug/l	25.0	0.110	84	70-130	1	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126	2	20	
Bromomethane	18.5	1.0	ug/l	25.0	ND	74	55-136	8	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	8	31	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	12	20	
sec-Butylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	12	20	
tert-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	8	20	
Carbon disulfide	23.1	0.50	ug/l	25.0	0.220	92	56-132	0.6	20	
Carbon tetrachloride	23.2	0.50	ug/l	25.0	ND	93	76-131	0.5	20	
Chlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	2	20	
Chloroform	22.6	0.50	ug/l	25.0	0.750	87	70-130	4	20	
Chloromethane	20.6	1.0	ug/l	25.0	ND	82	50-135	0.5	20	
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130	10	20	
4-Chlorotoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	20	
Dibromochloromethane	21.6	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	60-135	0.6	29	
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
Dibromomethane	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,2-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	7	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	9	20	
1,4-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
Dichlorodifluoromethane	19.3	0.50	ug/l	25.0	ND	77	36-150	2	22	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,2-Dichloroethane	21.1	0.50	ug/l	25.0	ND	85	68-143	0.6	20	
1,1-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
cis-1,2-Dichloroethene	21.8	0.50	ug/l	25.0	0.120	87	70-130	3	20	
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130	5	20	
2,2-Dichloropropane	21.4	1.0	ug/l	25.0	ND	86	66-130	4	20	

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
cis-1,3-Dichloropropene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.8	20	
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	71-132	3	20	
Ethylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0	ND	105	66-129	11	21	
2-Hexanone	21.7	2.5	ug/l	25.0	ND	87	18-150	7	25	
Iodomethane	20.7	2.5	ug/l	25.0	ND	83	47-141	12	29	
Isopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	78-137	12	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0	ND	102	70-130	8	20	
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132	0	20	
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0	ND	94	56-145	0.6	26	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138	8	21	
Naphthalene	24.9	2.5	ug/l	25.0	ND	100	54-135	6	33	
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	10	20	
Styrene	23.9	0.50	ug/l	25.0	ND	95	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	2	20	
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	1.62	93	70-130	0.3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-130	6	20	
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	0.5	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	66-126	2	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.8	20	
Trichloroethene	23.2	0.50	ug/l	25.0	0.990	89	70-130	1	20	
Trichlorofluoromethane	26.3	0.50	ug/l	25.0	ND	105	74-150	0.5	20	
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130	0.09	20	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	10	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	103	61-138	10	33	
Vinyl Acetate	32.2	1.0	ug/l	25.0	ND	129	50-150	13	23	
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139	4	21	
Xylenes, Total	47.9	1.0	ug/l	50.0	ND	96	70-130	5	20	
Freon 113	23.6	2.0	ug/l	25.0	ND	95	56-148	0.5	22	
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			

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 0096498.009

Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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: 11C0359 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C0359-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*16.2*		*ug/l*	*20.0*		*81*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/11/2011 (11C0359-BS1)										Q8
1,4-Dioxane	18.0	1.0	ug/l	20.0		90	85-115			
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*86*	*35-140*			
LCS Dup Analyzed: 03/11/2011 (11C0359-BSD1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	14	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.0*		*ug/l*	*20.0*		*80*	*35-140*			

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

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.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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.

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PVC0525

NO: 2494

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	043

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: VOC (8260B)	REQUESTED PARAMETERS: 1,4-Dioxane Only (8270C)	REQUESTED PARAMETERS: MS/MSD	FIELD REMARKS	
043-11M2-M2-030811	3/8/11	0858		X	Pump	HCl / -	Y	40mL / 1L	3 / 2		X		X	X			-01
043-11M-M-030811		1010															-02
043-11S-S-030811		1122															-03
BE-MW-8-S-030811		1221															-04
BE-MW-8-S-030811-RA		1222															-05
043-4S-S-030811		1407															-06
EW-21-S-030811		1500															-07
EW-21-S-030811-QC		1500															-08
EW-21-S-030811-FB		1501															-09
GW-LI-1-030811													X		Trip Blank		-10

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
C-KM / EKA	3/8	1713			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/9/11	1413

FIELD REMARKS: *run GW-LI-2-030811 for VOCs as trip blank in second cooler

2.4°C / 2.1°C

REMARKS ON SAMPLE RECEIPT

☑ BOTTLE INTACT ☐ CUSTODY SEALS ☑ CHILLED
☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS:

SEND REPORT TO: jason.wilker@erm.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

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: 0096498.009

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/23/11 15:14

NELAP #01109CA 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
PUC1004-01	EW-19S-S-031511	Water

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.

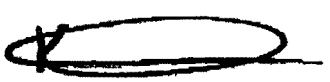
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: PUC1004-01 (EW-19S-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.69**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.8**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**3.1**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.3**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: PUC1004-01 (EW-19S-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	**2.2**	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**7.8**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*95 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*87 %*				

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: PUC1004-01 (EW-19S-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	1.4	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*VI*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*VI*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
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

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: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-650 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-6303
[ ] Tucson - 1870 W. Prince Road, Suite 69, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 6E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM 7272 E. Indian School Rd. Scottsdale AZ 85251	Project/PO Number: 0096498.009
Project Manager: Jason Hilker Send Report to: Jason.Hilker@ERM.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC (8260B)	Analysis Required: 1,4-Dioxane only (8270C)								Special Instructions
EW-195-S-031511	W	40mL / 1L	3 / 2	3/15/11	1400	HCl / -	X	X			PVC1004-01					LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/15 1420			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/15/11 1420	Intact ✓	on ice ✓ 0.8°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.

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: 0096498.009

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/24/11 06:55

NELAP #01109CA 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
PUC0982-01	EW0U3-10S-R-S-031511	Water
PUC0982-02	0U3-10M-M-031511	Water
PUC0982-03	0U3-10M2-M-031511	Water
PUC0982-04	GW-EB6-031511	Water
PUC0982-05	GW-L1-7-031511	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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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. N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). N1a- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits. R1-The RPD exceeded the acceptance limit. 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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-01 (EW0U3-10S-R-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.9**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**2.2**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**2.1**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.8**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-01 (EW0U3-10S-R-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**0.83**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**14**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*94 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*86 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-02 (0U3-10M-M-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.9**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**2.7**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.0**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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.

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-02 (0U3-10M-M-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**7.9**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-03 (0U3-10M2-M-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.88**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**6.1**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**11**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**7.5**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-03 (0U3-10M2-M-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**1.5**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**35**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-04 (GW-EB6-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	**3.3**	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**5.2**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	**1.1**	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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.

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-04 (GW-EB6-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-05 (GW-L1-7-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-05 (GW-L1-7-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*84 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: PUC0982-01 (EW0U3-10S-R-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	1.3	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC0982-02 (0U3-10M-M-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	1.5	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*77 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0982-03 (0U3-10M2-M-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	3.8	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0982-04 (GW-EB6-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*65 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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.

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					Source: PUC0827-02					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*Nla*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*RI*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*RI*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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: 0096498.009
Report Number: PUC0982
Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*RI*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*VI*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*VI*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1a, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1a, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
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

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: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

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

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
EW0U3-10S-R-S-031511	W	40mL / 1L	3 / 2	3/15/11	0800	HCl / -	X	X								01
0U3-10M-M-031511	↓	↓	↓	↓	0915	↓	↓	↓								02 3/15/11
0U3-10M-M-031511MSMSD	↓	↓	↓	↓	0915	↓	↓	↓								MS/MSD ~~03~~ 02
0U3-10M2-M-031511	↓	↓	↓	↓	1020	↓	↓	↓	KJ							03
~~0U3-10S-S-031511~~					~~1110~~											
GW-EB6-031511	↓	↓	↓	↓	1401	↓	↓	↓								05
GW-L1-7-031511	↓	40mL	1	↓	-	HCl	X									TRIP BLANK (VOC only) 06

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature] / ERM	3/15 1120		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received In Lab By: [signature]	Date/Time: 3/15/11 1420

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓ 0.8°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.

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: 0096498.009

Sampled: 03/16/11
Received: 03/16/11
Issued: 03/24/11 08:58

NELAP #01109CA 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
PUC1114-01	OU3-5SR-S-031611	Water
PUC1114-02	OU3-5DR-D-031611	Water
PUC1114-03	OU3-5M2-M-031611	Water
PUC1114-04	GW-EB7-031611	Water
PUC1114-05	GW-L1-8-031611	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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.
N1-8260- Trip blank sample PUC1114-05 had a hit for MTBE at 0.64 ppb. All associated samples were ND for this analyte.
N1-8270- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed below method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-01 (OU3-SSR-S-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	VI
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.8**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**3.9**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**4.6**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**6.5**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-01 (OU3-SSR-S-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**28**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-02 (OU3-SDR-D-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-02 (OU3-5DR-D-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-03 (OU3-SM2-M-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.82**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**5.8**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**8.7**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**14**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-03 (OU3-SM2-M-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**3.2**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**73**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-04 (GW-EB7-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	**3.6**	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**5.9**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	**1.3**	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-04 (GW-EB7-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-05 (GW-L1-8-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-05 (GW-L1-8-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	0.64	1	3/22/2011	3/22/2011	N1
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*88 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*86 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: PUC1114-01 (OU3-5SR-S-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*127 %*				*NI, S4*
Surrogate: Nitrobenzene-d5 (30-130%)				*161 %*				*NI, S4*
Sample ID: PUC1114-02 (OU3-5DR-D-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC1114-03 (OU3-5M2-M-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	2.8	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC1114-04 (GW-EB7-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*60 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*75 %*				

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*VI*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*VI*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*RI*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested to 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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

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.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
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

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: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-560 (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) 429-1284

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com
Sampler: Adam Nagle

Phone Number: 480-998-2401
Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC (8260B)	Analysis Required: 6H-Dioxane (8270C)	Special Instructions
OU3-5SR-S-031611	W	40mL / 1L	3 / 2	3/16/11	1023	HCl / -	x	x	-01
OU3-5DR-D-031611					1220				-02
OU3-5M2-M-031611					1530				-03
GW-EB7-031611					1531				-04
GW-L1-B-031511		40mL	1		-	HCl			-05 TRIP BLANK (VOC only)

PUC 1114

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
[signature] /ERM	3/16/11 1630			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received In Lab By: [signature]	Date/Time: 3-16-11 1630	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.

3.2°

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: 0096498.009

Sampled: 03/16/11
Received: 03/16/11
Issued: 03/24/11 08:47

NELAP #01109CA 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
PUC1113-01	OU3-5MR-M-031611	Water

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.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: PUC1113-01 (OU3-SMR-M-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.97**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**5.1**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**7.0**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**10**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: PUC1113-01 (OU3-SMR-M-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**2.3**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0:50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**50**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*95 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: PUC1113-01 (OU3-SMR-M-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	2.3	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*78 %*				

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*VI*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					Source: PUC0982-02					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

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: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										Q8
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

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

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian Scool Rd
Scottsdale, Az 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
																PUC1113-01
OU3-5MR-M-031611	W	40mL / 1L	3 / 2	3/16/11	0946	HCl / -	x	x								LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature] / ERM	3/16/11 1630			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3-16-11 1630	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.

3,2'

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: 0096498.009

Sampled: 03/17/11
Received: 03/17/11
Issued: 03/25/11 08:21

NELAP #01109CA 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
PUC1197-01	OU3-13D-D-031711	Water
PUC1197-02	OU3-13M-M-031711	Water
PUC1197-03	OU3-13M-M-031711-Q1	Water
PUC1197-04	EW-20-S-031711	Water
PUC1197-05	GW-EB8-S-031711	Water
PUC1197-06	GW-L1-9-031711	Water

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.

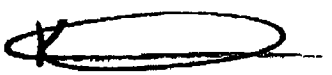
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-01 (OU3-13D-D-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	**2.5**	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-01 (OU3-13D-D-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-02 (OU3-13M-M-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**2.4**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-02 (OU3-13M-M-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**25**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-03 (OU3-13M-M-031711-Q1 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**2.4**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-03 (OU3-13M-M-031711-Q1 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	**0.55**	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**24**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-04 (EW-20-S-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	**1.0**	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	**3.1**	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	**3.2**	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**5.0**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-04 (EW-20-S-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	**1.0**	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**22**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-05 (GW-EB8-S-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	**3.2**	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	**4.9**	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	**1.2**	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-05 (GW-EB8-S-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*87 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-06 (GW-L1-9-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-06 (GW-L1-9-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: PUC1197-01 (OU3-13D-D-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC1197-02 (OU3-13M-M-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC1197-03 (OU3-13M-M-031711-Q1 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*62 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*71 %*				
Sample ID: PUC1197-04 (EW-20-S-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	**1.7**	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*66 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC1197-05 (GW-EB8-S-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*63 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Blank Analyzed: 03/23/2011 (11C0849-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Blank Analyzed: 03/23/2011 (11C0849-BLK1)										
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	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
LCS Analyzed: 03/23/2011 (11C0849-BS1)										
Acetone	36.9	10	ug/l	25.0		148	30-150			*VI*
Benzene	19.8	0.50	ug/l	25.0		79	70-130			
Bromobenzene	21.4	0.50	ug/l	25.0		86	70-130			
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0		82	70-130			
Bromoform	22.5	1.0	ug/l	25.0		90	67-122			
Bromomethane	23.1	1.0	ug/l	25.0		92	64-132			
2-Butanone (MEK)	25.8	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130			
sec-Butylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
tert-Butylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Carbon disulfide	23.9	0.50	ug/l	25.0		96	61-126			
Carbon tetrachloride	20.9	0.50	ug/l	25.0		84	70-130			
Chlorobenzene	21.0	0.50	ug/l	25.0		84	70-130			
Chloroethane	24.2	1.0	ug/l	25.0		97	69-128			
Chloroform	20.4	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.4	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.9	0.50	ug/l	25.0		84	70-130			
4-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	22.5	2.5	ug/l	25.0		90	63-129			
1,2-Dibromoethane (EDB)	21.6	0.50	ug/l	25.0		87	70-130			
Dibromomethane	21.0	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130			
1,3-Dichlorobenzene	21.6	0.50	ug/l	25.0		86	70-130			
1,4-Dichlorobenzene	21.3	0.50	ug/l	25.0		85	70-130			
Dichlorodifluoromethane	19.5	0.50	ug/l	25.0		78	42-150			
1,1-Dichloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0		85	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
LCS Analyzed: 03/23/2011 (11C0849-BS1)										
1,1-Dichloropropene	20.7	0.50	ug/l	25.0		83	70-130			
cis-1,3-Dichloropropene	20.8	0.50	ug/l	25.0		83	70-130			
trans-1,3-Dichloropropene	21.6	0.50	ug/l	25.0		87	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.9	1.0	ug/l	25.0		92	70-130			
2-Hexanone	25.4	2.5	ug/l	25.0		102	44-150			
Iodomethane	30.8	2.5	ug/l	25.0		123	58-138			
Isopropylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0		89	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0		81	70-130			
4-Methyl-2-pentanone (MIBK)	23.6	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	21.5	0.50	ug/l	25.0		86	70-130			
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129			
n-Propylbenzene	22.2	0.50	ug/l	25.0		89	70-130			
Styrene	21.9	0.50	ug/l	25.0		88	70-130			
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/l	25.0		84	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	20.5	0.50	ug/l	25.0		82	70-130			
Toluene	20.0	0.50	ug/l	25.0		80	70-130			
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trichlorobenzene	24.4	1.0	ug/l	25.0		98	70-130			
1,1,1-Trichloroethane	21.3	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
Trichloroethene	19.9	0.50	ug/l	25.0		80	70-130			
Trichlorofluoromethane	25.5	0.50	ug/l	25.0		102	78-149			
1,2,3-Trichloropropane	23.2	1.0	ug/l	25.0		93	70-130			
1,2,4-Trimethylbenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Vinyl Acetate	26.7	1.0	ug/l	25.0		107	57-149			
Vinyl chloride	20.8	0.50	ug/l	25.0		83	66-134			
Xylenes, Total	41.7	1.0	ug/l	50.0		83	70-130			
Freon 113	19.5	2.0	ug/l	25.0		78	63-136			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
LCS Dup Analyzed: 03/23/2011 (11C0849-BSD1)										
Acetone	27.0	10	ug/l	25.0		108	30-150	31	35	*V1*
Benzene	19.7	0.50	ug/l	25.0		79	70-130	0.6	20	
Bromobenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Bromochloromethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.7	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	1	20	
Bromomethane	21.6	1.0	ug/l	25.0		86	64-132	7	20	
2-Butanone (MEK)	23.5	2.5	ug/l	25.0		94	48-150	10	33	
n-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130	1	20	
sec-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	0.4	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	2	20	
Carbon disulfide	23.8	0.50	ug/l	25.0		95	61-126	0.7	20	
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130	2	20	
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128	7	20	
Chloroform	20.2	0.50	ug/l	25.0		81	70-130	0.9	20	
Chloromethane	16.8	1.0	ug/l	25.0		67	56-131	4	20	
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130	2	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	2	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.8	2.5	ug/l	25.0		91	63-129	1	25	
1,2-Dibromoethane (EDB)	21.4	0.50	ug/l	25.0		86	70-130	0.8	20	
Dibromomethane	21.6	0.50	ug/l	25.0		86	70-130	3	20	
1,2-Dichlorobenzene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
1,3-Dichlorobenzene	21.1	0.50	ug/l	25.0		84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
Dichlorodifluoromethane	19.4	0.50	ug/l	25.0		78	42-150	0.1	20	
1,1-Dichloroethane	20.4	0.50	ug/l	25.0		81	70-130	2	20	
1,2-Dichloroethane	20.7	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	20.7	0.50	ug/l	25.0		83	70-130	14	20	
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	3	20	
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130	0.5	20	
1,2-Dichloropropane	20.9	0.50	ug/l	25.0		83	70-130	0.4	20	
1,3-Dichloropropane	21.6	0.50	ug/l	25.0		87	70-130	2	20	
2,2-Dichloropropane	20.7	1.0	ug/l	25.0		83	70-130	2	20	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
LCS Dup Analyzed: 03/23/2011 (11C0849-BSD1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130	1	20	
cis-1,3-Dichloropropene	20.8	0.50	ug/l	25.0		83	70-130	0.1	20	
trans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0		88	70-130	1	20	
Ethylbenzene	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Hexachlorobutadiene	22.6	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	24.6	2.5	ug/l	25.0		99	44-150	3	31	
Iodomethane	28.0	2.5	ug/l	25.0		112	58-138	9	25	
Isopropylbenzene	23.4	0.50	ug/l	25.0		94	70-130	0.9	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0		81	70-130	0	20	
4-Methyl-2-pentanone (MIBK)	22.3	2.5	ug/l	25.0		89	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	20.4	0.50	ug/l	25.0		81	70-130	5	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	0.08	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	2	20	
Styrene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/l	25.0		84	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	21.5	0.50	ug/l	25.0		86	70-130	4	20	
Tetrachloroethene	21.0	0.50	ug/l	25.0		84	70-130	3	20	
Toluene	20.1	0.50	ug/l	25.0		81	70-130	0.6	20	
1,2,3-Trichlorobenzene	23.6	1.0	ug/l	25.0		94	70-130	2	20	
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130	1	20	
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130	2	20	
1,1,2-Trichloroethane	20.5	0.50	ug/l	25.0		82	70-130	0.1	20	
Trichloroethene	20.4	0.50	ug/l	25.0		82	70-130	3	20	
Trichlorofluoromethane	24.5	0.50	ug/l	25.0		98	78-149	4	20	
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0		89	70-130	5	20	
1,2,4-Trimethylbenzene	21.6	0.50	ug/l	25.0		87	70-130	3	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	2	20	
Vinyl Acetate	26.5	1.0	ug/l	25.0		106	57-149	0.5	21	
Vinyl chloride	21.5	0.50	ug/l	25.0		86	66-134	3	20	
Xylenes, Total	41.4	1.0	ug/l	50.0		83	70-130	0.8	20	
Freon 113	19.8	2.0	ug/l	25.0		79	63-136	1	20	
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Matrix Spike Analyzed: 03/23/2011 (11C0849-MS1)					**Source: PUC1197-05**					
Acetone	23.6	10	ug/l	25.0	ND	94	10-150			*V1*
Benzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Bromodichloromethane	24.7	0.50	ug/l	25.0	3.17	86	70-130			
Bromoform	24.5	1.0	ug/l	25.0	ND	98	62-126			
Bromomethane	18.7	1.0	ug/l	25.0	ND	75	55-136			
2-Butanone (MEK)	21.3	2.5	ug/l	25.0	ND	85	22-150			
n-Butylbenzene	22.6	0.50	ug/l	25.0	ND	91	70-130			
sec-Butylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
tert-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Carbon disulfide	25.4	0.50	ug/l	25.0	ND	102	56-132			
Carbon tetrachloride	21.6	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	22.1	1.0	ug/l	25.0	ND	88	67-134			
Chloroform	25.2	0.50	ug/l	25.0	4.92	81	70-130			
Chloromethane	19.8	1.0	ug/l	25.0	ND	79	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	24.4	0.50	ug/l	25.0	1.22	93	70-130			
1,2-Dibromo-3-chloropropane	22.5	2.5	ug/l	25.0	ND	90	60-135			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dibromomethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichlorobenzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,3-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	89	70-130			
Dichlorodifluoromethane	18.3	0.50	ug/l	25.0	ND	73	36-150			
1,1-Dichloroethane	19.9	0.50	ug/l	25.0	ND	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	82	68-143			
1,1-Dichloroethene	20.9	0.50	ug/l	25.0	ND	84	70-130			
cis-1,2-Dichloroethene	19.7	0.50	ug/l	25.0	ND	79	70-130			
trans-1,2-Dichloroethene	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	21.6	0.50	ug/l	25.0	ND	86	70-130			
2,2-Dichloropropane	20.4	1.0	ug/l	25.0	ND	81	66-130			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Matrix Spike Analyzed: 03/23/2011 (11C0849-MS1)					**Source: PUC1197-05**					
1,1-Dichloropropene	21.3	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	21.6	0.50	ug/l	25.0	ND	86	70-130			
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	71-132			
Ethylbenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	23.4	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.2	2.5	ug/l	25.0	ND	93	47-141			
Isopropylbenzene	24.8	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Methylene Chloride	20.5	1.0	ug/l	25.0	ND	82	74-132			
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138			
Naphthalene	22.4	2.5	ug/l	25.0	ND	89	54-135			
n-Propylbenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Styrene	22.6	0.50	ug/l	25.0	ND	90	51-123			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,1,2,2-Tetrachloroethane	23.0	0.50	ug/l	25.0	ND	92	69-133			
Tetrachloroethene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Toluene	20.8	0.50	ug/l	25.0	0.200	82	70-130			
1,2,3-Trichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	66-126			
1,1,1-Trichloroethane	20.6	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
Trichloroethene	20.8	0.50	ug/l	25.0	ND	83	70-130			
Trichlorofluoromethane	22.6	0.50	ug/l	25.0	ND	90	74-150			
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trimethylbenzene	22.4	0.50	ug/l	25.0	ND	89	70-130			
1,3,5-Trimethylbenzene	22.3	0.50	ug/l	25.0	ND	89	61-138			
Vinyl Acetate	24.5	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	21.1	0.50	ug/l	25.0	ND	84	58-139			
Xylenes, Total	42.2	1.0	ug/l	50.0	ND	84	70-130			
Freon 113	19.9	2.0	ug/l	25.0	ND	80	56-148			
Surrogate: Dibromofluoromethane	*22.1*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.1*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Matrix Spike Dup Analyzed: 03/23/2011 (11C0849-MSD1)					**Source: PUC1197-05**					
Acetone	28.1	10	ug/l	25.0	ND	112	10-150	18	35	*VI*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	4	20	
Bromobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	1	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	84	70-130	1	20	
Bromodichloromethane	23.4	0.50	ug/l	25.0	3.17	81	70-130	5	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	3	20	
Bromomethane	19.9	1.0	ug/l	25.0	ND	80	55-136	6	24	
2-Butanone (MEK)	24.1	2.5	ug/l	25.0	ND	97	22-150	12	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	3	20	
sec-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	3	20	
tert-Butylbenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	4	20	
Carbon disulfide	23.4	0.50	ug/l	25.0	ND	94	56-132	8	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	3	20	
Chlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	3	20	
Chloroethane	22.0	1.0	ug/l	25.0	ND	88	67-134	0.3	20	
Chloroform	24.4	0.50	ug/l	25.0	4.92	78	70-130	3	20	
Chloromethane	20.5	1.0	ug/l	25.0	ND	82	50-135	4	20	
2-Chlorotoluene	20.8	0.50	ug/l	25.0	ND	83	70-130	4	20	
4-Chlorotoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	1	20	
Dibromochloromethane	23.0	0.50	ug/l	25.0	1.22	87	70-130	6	20	
1,2-Dibromo-3-chloropropane	22.8	2.5	ug/l	25.0	ND	91	60-135	2	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	6	20	
Dibromomethane	21.1	0.50	ug/l	25.0	ND	84	70-130	4	20	
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
1,3-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,4-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	2	20	
Dichlorodifluoromethane	18.0	0.50	ug/l	25.0	ND	72	36-150	2	22	
1,1-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	70-130	2	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.9	20	
1,1-Dichloroethene	20.4	0.50	ug/l	25.0	ND	81	70-130	3	20	
cis-1,2-Dichloroethene	19.8	0.50	ug/l	25.0	ND	79	70-130	0.3	20	
trans-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,2-Dichloropropane	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
1,3-Dichloropropane	21.3	0.50	ug/l	25.0	ND	85	70-130	1	20	
2,2-Dichloropropane	19.6	1.0	ug/l	25.0	ND	78	66-130	4	20	

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0849 Extracted: 03/23/11										
Matrix Spike Dup Analyzed: 03/23/2011 (11C0849-MSD1)					**Source: PUC1197-05**					
1,1-Dichloropropene	20.5	0.50	ug/l	25.0	ND	82	70-130	4	20	
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	84	70-130	3	20	
trans-1,3-Dichloropropene	21.4	0.50	ug/l	25.0	ND	86	71-132	3	20	
Ethylbenzene	20.2	0.50	ug/l	25.0	ND	81	70-130	5	20	
Hexachlorobutadiene	22.8	1.0	ug/l	25.0	ND	91	66-129	1	21	
2-Hexanone	22.1	2.5	ug/l	25.0	ND	89	18-150	5	25	
Iodomethane	23.8	2.5	ug/l	25.0	ND	95	47-141	3	29	
Isopropylbenzene	24.3	0.50	ug/l	25.0	ND	97	78-137	2	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	5	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.6	2.5	ug/l	25.0	ND	90	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25.0	ND	82	67-138	2	21	
Naphthalene	23.9	2.5	ug/l	25.0	ND	96	54-135	7	33	
n-Propylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Styrene	20.6	0.50	ug/l	25.0	ND	82	51-123	9	21	
1,1,1,2-Tetrachloroethane	21.1	0.50	ug/l	25.0	ND	85	70-130	3	20	
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	69-133	0.7	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	ND	84	70-130	5	20	
Toluene	20.3	0.50	ug/l	25.0	0.200	80	70-130	2	20	
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130	1	20	
1,2,4-Trichlorobenzene	23.6	1.0	ug/l	25.0	ND	94	66-126	0.8	20	
1,1,1-Trichloroethane	20.6	0.50	ug/l	25.0	ND	82	76-132	0.3	20	
1,1,2-Trichloroethane	21.7	0.50	ug/l	25.0	ND	87	70-130	3	20	
Trichloroethene	20.1	0.50	ug/l	25.0	ND	80	70-130	4	20	
Trichlorofluoromethane	22.8	0.50	ug/l	25.0	ND	91	74-150	0.8	20	
1,2,3-Trichloropropane	23.7	1.0	ug/l	25.0	ND	95	70-130	0.8	20	
1,2,4-Trimethylbenzene	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,3,5-Trimethylbenzene	20.6	0.50	ug/l	25.0	ND	82	61-138	8	33	
Vinyl Acetate	24.5	1.0	ug/l	25.0	ND	98	50-150	0	23	
Vinyl chloride	20.1	0.50	ug/l	25.0	ND	80	58-139	5	21	
Xylenes, Total	39.8	1.0	ug/l	50.0	ND	80	70-130	6	20	
Freon 113	19.6	2.0	ug/l	25.0	ND	78	56-148	2	22	
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

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: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

DATA QUALIFIERS AND DEFINITIONS

Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
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

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: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-560 (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 Scottsdale, AZ 85251	Project/PO Number: 0096498.009
Project Manager: Jason Hilker Send Report to: Jason.Hilker@ERM.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC (8260B)	Analysis Required: 1,4-Dioxane only (8270C)	Special Instructions
OU3-13D-D-031711	W	40mL / 1L	3 / 2	3/17/11	0855	HCl / -	x	x	PUC1197-01
OU3-13M-M-031711					1020				-02
OU3-13M-M-031711-QA					1020				-03
EW-20-S-031711					1130				-04
GW-EB9-031711					1131				-05
GW-L1-9-031711		40mL	1		-	HCl		-	06 TRIP BLANK (VOC ONLY)

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/17 1230			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/17/11 1230	intact ✓	on ice ✓ 1.0°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.

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 0096498.009

Sampled: 03/09/11
Received: 03/09/11
Issued: 03/17/11 14:25

NELAP #01109CA 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
PUC0637-01	OU3-14M-M-030911	Water
PUC0637-02	OU3-12M-M-030911	Water
PUC0637-03	GW-L1-3-030911	Water
PUC0637-04	GW-EB2-030911	Water
PUC0637-05	GW-Z1-1-030911	Water

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.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-01 (OU3-14M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**0.65**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-01 (OU3-14M-M-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-02 (OU3-12M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	**0.94**	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-02 (OU3-12M-M-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**1.8**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*85 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-03 (GW-L1-3-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-03 (GW-L1-3-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	**1.8**	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*84 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-04 (GW-EB2-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	**3.5**	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**5.2**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	**1.3**	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-04 (GW-EB2-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-05 (GW-Z1-1-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	**34**	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	**21**	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	**31**	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**14**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	**9.2**	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	**43**	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	**12**	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	**20**	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**8.3**	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**26**	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	**24**	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-05 (GW-Z1-1-030911 - Water) - cont.				**Sampled: 03/09/11**				
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	**61**	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	**31**	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	**42**	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	**33**	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	**48**	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	**15**	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	**25**	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**46**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	**32**	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	**53**	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**20**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-01 (OU3-14M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*68 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0637-02 (OU3-12M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0637-04 (GW-EB2-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*69 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
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	0.50	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							

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
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	*20.7*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	26.4	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		102	48-150			
n-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	21.8	0.50	ug/l	25.0		87	70-130			
Chloromethane	24.8	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	23.8	0.50	ug/l	25.0		95	70-130			
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	25.1	0.50	ug/l	25.0		100	70-130			
Dibromomethane	26.2	0.50	ug/l	25.0		105	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/l	25.0		97	70-130			
1,3-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
1,4-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Dichlorodifluoromethane	27.4	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	21.4	0.50	ug/l	25.0		86	70-130			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	72-133			
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichloropropane	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	24.9	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
Ethylbenzene	24.2	0.50	ug/l	25.0		97	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	28.0	2.5	ug/l	25.0		112	44-150			
Iodomethane	34.8	2.5	ug/l	25.0		139	58-138			*L3*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130			
Methylene Chloride	21.3	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	30.0	2.5	ug/l	25.0		120	61-142			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0		93	70-130			
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129			
n-Propylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Styrene	24.8	0.50	ug/l	25.0		99	70-130			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	70-130			
1,1,2,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	23.8	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	70-130			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3,5-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Vinyl Acetate	39.0	1.0	ug/l	25.0		156	57-149			*L3*
Vinyl chloride	24.9	0.50	ug/l	25.0		100	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.3	2.0	ug/l	25.0		93	63-136			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*70-130*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
Acetone	17.4	10	ug/l	25.0		69	30-150	21	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	1	20	
Bromobenzene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0		98	70-130	5	20	
Bromoform	22.4	1.0	ug/l	25.0		89	67-122	13	20	
Bromomethane	22.8	1.0	ug/l	25.0		91	64-132	15	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		87	48-150	17	33	
n-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130	2	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Carbon disulfide	24.0	0.50	ug/l	25.0		96	61-126	2	20	
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130	0.6	20	
Chloroethane	23.9	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
4-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130	8	20	
1,2-Dibromo-3-chloropropane	21.9	2.5	ug/l	25.0		87	63-129	17	25	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0		91	70-130	10	20	
Dibromomethane	24.6	0.50	ug/l	25.0		99	70-130	6	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		93	70-130	2	20	
Dichlorodifluoromethane	27.8	0.50	ug/l	25.0		111	42-150	1	20	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloroethane	22.4	0.50	ug/l	25.0		90	72-133	6	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
cis-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	0.09	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	3	20	
1,3-Dichloropropane	23.1	0.50	ug/l	25.0		93	70-130	7	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130	5	20	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
1,1-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130	8	20	
Ethylbenzene	24.9	0.50	ug/l	25.0		100	70-130	3	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	2	20	
2-Hexanone	21.2	2.5	ug/l	25.0		85	44-150	28	31	
Iodomethane	25.8	2.5	ug/l	25.0		103	58-138	30	25	*R1*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.08	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	25	22	*R6*
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130	10	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	16	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
Styrene	24.8	0.50	ug/l	25.0		99	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
1,1,2,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	16	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-130	1	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	11	20	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130	6	20	
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	70-130	7	20	
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130	1	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25 0		115	78-149	0.6	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	70-130	17	20	
1,2,4-Trimethylbenzene	25.2	0.50	ug/l	25.0		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
Vinyl Acetate	29.0	1.0	ug/l	25.0		116	57-149	29	21	*R1*
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134	4	20	
Xylenes, Total	49.8	1.0	ug/l	50.0		100	70-130	0.6	20	
Freon 113	23.8	2.0	ug/l	25.0		95	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
Acetone	17.0	10	ug/l	25.0	ND	68	10-150			
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	21.0	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	62-126			
Bromomethane	23.7	1.0	ug/l	25.0	ND	95	55-136			
2-Butanone (MEK)	20.7	2.5	ug/l	25.0	ND	83	22-150			
n-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Carbon disulfide	24.8	0.50	ug/l	25.0	0.220	98	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	22.9	0.50	ug/l	25.0	ND	91	70-130			
Chloroethane	23.6	1.0	ug/l	25.0	ND	94	67-134			
Chloroform	21.2	0.50	ug/l	25.0	ND	85	70-130			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135			
2-Chlorotoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dichlorodifluoromethane	27.6	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	66-130			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	25.1	0.50	ug/l	25.0	0.500	98	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	31.7	2.5	ug/l	25.0	ND	127	47-141			
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137			
p-Isopropyltoluene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	56-145			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	67-138			
Naphthalene	26.0	2.5	ug/l	25.0	ND	104	54-135			
n-Propylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	51-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133			
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	61-138			
Vinyl Acetate	35.9	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	26.2	0.50	ug/l	25.0	ND	105	58-139			
Xylenes, Total	52.6	1.0	ug/l	50.0	1.75	102	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150	5	35	
Benzene	22.8	0.50	ug/l	25.0	ND	91	70-130	0.7	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	6	20	
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	62-126	8	20	
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136	12	24	
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	79	22-150	5	31	
n-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
tert-Butylbenzene	23.7	0.50	ug/l	25.0	ND	95	70-130	3	20	
Carbon disulfide	24.3	0.50	ug/l	25.0	0.220	96	56-132	2	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	76-131	3	20	
Chlorobenzene	22.4	0.50	ug/l	25.0	ND	89	70-130	2	20	
Chloroethane	22.7	1.0	ug/l	25.0	ND	91	67-134	4	20	
Chloroform	21.3	0.50	ug/l	25.0	ND	85	70-130	0.09	20	
Chloromethane	24.4	1.0	ug/l	25.0	ND	97	50-135	5	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	3	20	
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135	7	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	7	20	
Dibromomethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	3	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	5	20	
Dichlorodifluoromethane	27.0	0.50	ug/l	25.0	ND	108	36-150	2	22	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	4	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	3	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,2-Dichloroethene	21.5	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	6	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0	ND	90	66-130	7	20	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	1	20	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	70-130	4	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	71-132	5	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	0.500	94	70-130	5	20	
Hexachlorobutadiene	25.5	1.0	ug/l	25.0	ND	102	66-129	2	21	
2-Hexanone	20.8	2.5	ug/l	25.0	ND	83	18-150	11	25	
Iodomethane	25.2	2.5	ug/l	25.0	ND	101	47-141	23	29	
Isopropylbenzene	26.8	0.50	ug/l	25.0	ND	107	78-137	0.4	20	
p-Isopropyltoluene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	0.3	20	
4-Methyl-2-pentanone (MIBK)	23.3	2.5	ug/l	25.0	ND	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138	4	21	
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	54-135	6	33	
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Styrene	23.2	0.50	ug/l	25.0	ND	93	51-123	4	21	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.2	0.50	ug/l	25 0	ND	89	69-133	9	20	
Tetrachloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-130	4	20	
1,2,3-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	97	70-130	3	20	
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Trichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	4	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	11	20	
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,3,5-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	61-138	2	33	
Vinyl Acetate	31.1	1.0	ug/l	25.0	ND	124	50-150	14	23	
Vinyl chloride	25.4	0.50	ug/l	25.0	ND	101	58-139	3	21	
Xylenes, Total	50.5	1.0	ug/l	50.0	1.75	97	70-130	4	20	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	56-148	1	22	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: 11C0426 Extracted: 03/11/11										
Blank Analyzed: 03/14/2011 (11C0426-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.6*		*ug/l*	*20.0*		*68*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/14/2011 (11C0426-BS1)										Q8
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.4*		*ug/l*	*20.0*		*87*	*35-140*			
LCS Dup Analyzed: 03/14/2011 (11C0426-BSD1)										Q8
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	85-115	0.1	20	
Surrogate: 1,4-Dioxane-d8	*15.6*		*ug/l*	*20.0*		*78*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*85*	*35-140*			

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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.

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC0637

NO: 2492

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: VOC (8260B)	REQUESTED PARAMETERS: 1,4-Dioxane ONLY (8270C)	FIELD REMARKS	
OU3-14M-M-030911	3/9/11	0929		X	Pump	HCl / -	Y	40mL / 1L	3 / 2		X		X	X		-01
OU3-12M-M-030911		1542														-02
GW-L1-3-030911		-												X	Trip Blank VOC only	-03
GW-EB2-030911		1543														-04
GW-Z1-1-030911		-											X			-05

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ERM / ERM	3/9	1710			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/9/11	1710

REMARKS ON SAMPLE RECEIPT

- ☑ BOTTLE INTACT
- ☐ CUSTODY SEALS
- ☑ CHILLED
- ☐ PRESERVED
- ☐ SEALS INTACT
- ☐ SEE REMARKS

ERM REMARKS: 2-8 °C

SEND REPORT TO: Jason.Hilker@ERM.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

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: 0096498.009

Sampled: 03/10/11
Received: 03/10/11
Issued: 03/21/11 15:15

NELAP #01109CA 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
PUC0730-01	OU3-1M-M-031011	Water

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.

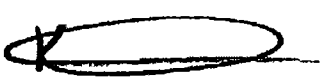
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: PUC0730-01RE1 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**0.54**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**0.88**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: PUC0730-01RE1 (OU3-1M-M-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**6.0**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*87 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*83 %*				

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: PUC0730-01 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*65 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*NI*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*RI*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*RI*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*RI*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										Q8
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										Q8
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

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.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-560 (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, Suite 100	Project/PO Number: 0096498.009
Project Manager: Jason Hilker Send report to: Jason Hilker@ERM.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)							Special Instructions
							Analysis Required								
OU3-1M-A-031011	W	~~40ml~~ 1L	~~3~~ 2	3/10/11	1610	~~HCl~~ -	x	x		PUC0730-01					Level 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/10 1724			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time: 3/10/11 1724	Sample Integrity: (Check)	
				Intact X	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.

1.2°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: 0096498.009

Sampled: 03/11/11
Received: 03/11/11
Issued: 03/22/11 06:26

NELAP #01109CA 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
PUC0829-01	OU3-8M2-M-031111	Water

SAMPLE RECEIPT: Samples were received intact, at 4°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 MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: PUC0829-01 (OU3-8M2-M-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**3.6**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: PUC0829-01 (OU3-8M2-M-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**0.97**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**29**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*84 %*				

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: PUC0829-01 (OU3-8M2-M-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/17/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1 0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*RI*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										Q8
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										Q8
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

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.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-650 (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

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale, AZ, 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
OU3-8M2-M-031111	W	40mL / 1L	3 / 2	3/11/11	1500	HCl / -	X	X		PUC0829-01						LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature] /ERM	3/11/1622		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/11/1622

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

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.

3.8°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: 0096498.009

Sampled: 03/11/11
Received: 03/11/11
Issued: 03/22/11 06:17

NELAP #01109CA 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
PUC0827-01	OU3-9M2-M-031111	Water
PUC0827-02	OU3-9S-S-031111	Water
PUC0827-03	OU3-8D-D-031111	Water
PUC0827-04	OU3-8S-S-031111	Water
PUC0827-05	GW-EB4-031111	Water
PUC0827-06	GW-L1-5-031111	Water

SAMPLE RECEIPT: Samples were received intact, at 4°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 MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-01 (OU3-9M2-M-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.4**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-01 (OU3-9M2-M-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**2.4**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**2.0**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-02 (OU3-9S-S-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.2**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-02 (OU3-9S-S-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	N1
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**1.9**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-03 (OU3-8D-D-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-03 (OU3-8D-D-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-04 (OU3-8S-S-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.4**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**1.5**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-04 (OU3-8S-S-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**0.91**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**11**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-05 (GW-EB4-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	**3.4**	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	**4.5**	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	**1.2**	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-05 (GW-EB4-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*114 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-06 (GW-L1-5-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-06 (GW-L1-5-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*115 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: PUC0827-01 (OU3-9M2-M-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0827-02 (OU3-9S-S-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0827-03 (OU3-8D-D-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*75 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0827-04 (OU3-8S-S-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.1	ND	1.14	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*69 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0827-05 (GW-EB4-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
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	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
Acetone	23.6	10	ug/l	25.0		94	30-150			
Benzene	24.4	0.50	ug/l	25.0		97	70-130			
Bromobenzene	22.3	0.50	ug/l	25.0		89	70-130			
Bromochloromethane	19.3	0.50	ug/l	25.0		77	70-130			
Bromodichloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromoform	21.7	1.0	ug/l	25.0		87	67-122			
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132			
2-Butanone (MEK)	22.4	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
sec-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	22.2	0.50	ug/l	25.0		89	61-126			
Carbon tetrachloride	28.1	0.50	ug/l	25.0		112	70-130			
Chlorobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128			
Chloroform	22.2	0.50	ug/l	25.0		89	70-130			
Chloromethane	24.7	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.8	0.50	ug/l	25.0		91	70-130			
4-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
Dibromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
1,2-Dibromo-3-chloropropane	22.1	2.5	ug/l	25.0		88	63-129			
1,2-Dibromoethane (EDB)	22.6	0.50	ug/l	25.0		90	70-130			
Dibromomethane	25.6	0.50	ug/l	25.0		102	70-130			
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/l	25.0		88	70-130			
Dichlorodifluoromethane	26.7	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,2-Dichloroethane	22.7	0.50	ug/l	25.0		91	72-133			
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130			
trans-1,2-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	22.0	1.0	ug/l	25.0		88	70-130			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
1,1-Dichloropropene	26.5	0.50	ug/l	25.0		106	70-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	70-130			
Ethylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		106	70-130			
2-Hexanone	25.0	2.5	ug/l	25.0		100	44-150			
Iodomethane	22.8	2.5	ug/l	25.0		91	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	24.0	0.50	ug/l	25.0		96	70-130			
Methylene Chloride	20.1	1.0	ug/l	25.0		80	70-130			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	61-142			
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
Styrene	24.5	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	24.6	0.50	ug/l	25.0		98	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130			
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		99	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Trichlorofluoromethane	28.3	0.50	ug/l	25.0		113	78-149			
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		89	70-130			
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130			
Vinyl Acetate	27.4	1.0	ug/l	25.0		109	57-149			
Vinyl chloride	24.8	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	50.3	1.0	ug/l	50.0		101	70-130			
Freon 113	22.8	2.0	ug/l	25.0		91	63-136			
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
Acetone	27.3	10	ug/l	25.0		109	30-150	15	35	
Benzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromobenzene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Bromochloromethane	20.1	0.50	ug/l	25.0		80	70-130	4	20	
Bromodichloromethane	26.4	0.50	ug/l	25.0		106	70-130	2	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	2	20	
Bromomethane	23.9	1.0	ug/l	25.0		95	64-132	7	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	48-150	10	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
sec-Butylbenzene	23.7	0.50	ug/l	25.0		95	70-130	0.5	20	
tert-Butylbenzene	23.4	0.50	ug/l	25.0		93	70-130	4	20	
Carbon disulfide	22.9	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	28.4	0.50	ug/l	25.0		114	70-130	1	20	
Chlorobenzene	24.4	0.50	ug/l	25.0		97	70-130	2	20	
Chloroethane	22.9	1.0	ug/l	25.0		91	69-128	2	20	
Chloroform	22.6	0.50	ug/l	25.0		91	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
4-Chlorotoluene	23.7	0.50	ug/l	25.0		95	70-130	2	20	
Dibromochloromethane	25.5	0.50	ug/l	25.0		102	70-130	6	20	
1,2-Dibromo-3-chloropropane	23.0	2.5	ug/l	25.0		92	63-129	4	25	
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0		94	70-130	4	20	
Dibromomethane	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0		90	70-130	0.6	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	2	20	
1,4-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130	2	20	
Dichlorodifluoromethane	26.8	0.50	ug/l	25.0		107	42-150	0.5	20	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	2	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	4	20	
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0		86	70-130	5	20	
trans-1,2-Dichloroethene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
1,3-Dichloropropane	23.7	0.50	ug/l	25.0		95	70-130	0.3	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0		89	70-130	2	20	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
1,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	1	20	
cis-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0		108	70-130	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
Hexachlorobutadiene	27.0	1.0	ug/l	25.0		108	70-130	2	20	
2-Hexanone	27.0	2.5	ug/l	25.0		108	44-150	8	31	
Iodomethane	26.7	2.5	ug/l	25.0		107	58-138	16	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	4	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0		97	70-130	0.7	20	
Methylene Chloride	20.7	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	61-142	3	22	
Methyl-tert-butyl Ether (MTBE)	21.6	0.50	ug/l	25.0		86	70-130	4	20	
Naphthalene	24.1	2.5	ug/l	25.0		96	65-129	0.04	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	4	20	
Styrene	26.1	0.50	ug/l	25.0		105	70-130	6	20	
1,1,1,2-Tetrachloroethane	23.9	0.50	ug/l	25.0		96	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	22.7	0.50	ug/l	25.0		91	70-130	1	20	
Tetrachloroethene	24.7	0.50	ug/l	25.0		99	70-130	0.6	20	
Toluene	24.9	0.50	ug/l	25.0		99	70-130	0.8	20	
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	70-130	0.5	20	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130	2	20	
1,1,1-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130	3	20	
1,1,2-Trichloroethane	24.4	0.50	ug/l	25.0		97	70-130	4	20	
Trichloroethene	26.2	0.50	ug/l	25.0		105	70-130	2	20	
Trichlorofluoromethane	28.4	0.50	ug/l	25.0		114	78-149	0.6	20	
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0		94	70-130	5	20	
1,2,4-Trimethylbenzene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
1,3,5-Trimethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	0.6	20	
Vinyl Acetate	28.9	1.0	ug/l	25.0		116	57-149	6	21	
Vinyl chloride	26.2	0.50	ug/l	25.0		105	66-134	5	20	
Xylenes, Total	50.8	1.0	ug/l	50.0		102	70-130	0.9	20	
Freon 113	23.1	2.0	ug/l	25.0		92	63-136	1	20	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
Acetone	17.6	10	ug/l	25.0	ND	71	10-150			
Benzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Bromobenzene	21.6	0.50	ug/l	25.0	ND	87	70-130			
Bromochloromethane	17.6	0.50	ug/l	25.0	ND	70	70-130			
Bromodichloromethane	24.0	0.50	ug/l	25.0	0.320	95	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	19.1	1.0	ug/l	25.0	ND	76	55-136			
2-Butanone (MEK)	19.4	2.5	ug/l	25.0	ND	77	22-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	93	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
tert-Butylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Carbon disulfide	20.6	0.50	ug/l	25.0	0.170	82	56-132			
Carbon tetrachloride	25.7	0.50	ug/l	25.0	ND	103	76-131			
Chlorobenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	19.7	0.50	ug/l	25.0	1.31	73	70-130			
Chloromethane	22.7	1.0	ug/l	25.0	ND	91	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	23.9	2.5	ug/l	25.0	ND	96	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.6	0.50	ug/l	25.0	ND	99	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/l	25.0	ND	84	70-130			
Dichlorodifluoromethane	24.0	0.50	ug/l	25.0	ND	96	36-150			
1,1-Dichloroethane	18.9	0.50	ug/l	25.0	0.220	75	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	20.6	0.50	ug/l	25.0	0.320	81	70-130			
cis-1,2-Dichloroethene	17.7	0.50	ug/l	25.0	0.170	70	70-130			
trans-1,2-Dichloroethene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	23.1	0.50	ug/l	25.0	ND	93	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	80	66-130			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
1,1-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	70-130			
cis-1,3-Dichloropropene	23.3	0.50	ug/l	25.0	ND	93	70-130			
trans-1,3-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Hexachlorobutadiene	22.7	1.0	ug/l	25.0	ND	91	66-129			
2-Hexanone	25.3	2.5	ug/l	25.0	ND	101	18-150			
Iodomethane	21.1	2.5	ug/l	25.0	ND	84	47-141			
Isopropylbenzene	24.4	0.50	ug/l	25 0	ND	98	78-137			
p-Isopropyltoluene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	18.2	1.0	ug/l	25.0	ND	73	74-132			*M2*
4-Methyl-2-pentanone (MIBK)	26.6	2.5	ug/l	25.0	ND	106	56-145			
Methyl-tert-butyl Ether (MTBE)	19.6	0.50	ug/l	25.0	ND	78	67-138			
Naphthalene	25.1	2.5	ug/l	25.0	ND	100	54-135			
n-Propylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Styrene	22.7	0.50	ug/l	25.0	ND	91	51-123			
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133			
Tetrachloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Toluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	66-126			
1,1,1-Trichloroethane	20.1	0.50	ug/l	25.0	ND	80	76-132			
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130			
Trichloroethene	23.4	0.50	ug/l	25.0	0.730	91	70-130			
Trichlorofluoromethane	25.3	0.50	ug/l	25.0	ND	101	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,3,5-Trimethylbenzene	22.5	0.50	ug/l	25.0	ND	90	61-138			
Vinyl Acetate	30.6	1.0	ug/l	25.0	ND	122	50-150			
Vinyl chloride	23.0	0.50	ug/l	25.0	ND	92	58-139			
Xylenes, Total	46.4	1.0	ug/l	50.0	ND	93	70-130			
Freon 113	21.0	2.0	ug/l	25.0	ND	84	56-148			
Surrogate: Dibromofluoromethane	*19.3*		*ug/l*	*25.0*		*77*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
Acetone	18.2	10	ug/l	25.0	ND	73	10-150	3	35	
Benzene	26.3	0.50	ug/l	25.0	ND	105	70-130	18	20	
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	8	20	
Bromochloromethane	19.9	0.50	ug/l	25.0	ND	79	70-130	12	20	
Bromodichloromethane	26.2	0.50	ug/l	25.0	0.320	104	70-130	9	20	
Bromoform	21.7	1.0	ug/l	25.0	ND	87	62-126	9	20	
Bromomethane	24.8	1.0	ug/l	25.0	ND	99	55-136	26	24	*R1*
2-Butanone (MEK)	21.8	2.5	ug/l	25.0	ND	87	22-150	12	31	
n-Butylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	12	20	
sec-Butylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	9	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	11	20	
Carbon disulfide	24.7	0.50	ug/l	25.0	0.170	98	56-132	18	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	119	76-131	15	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	14	20	
Chloroform	23.7	0.50	ug/l	25.0	1.31	89	70-130	18	20	
Chloromethane	28.3	1.0	ug/l	25.0	ND	113	50-135	22	20	*R1*
2-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
4-Chlorotoluene	24.7	0.50	ug/l	25.0	ND	99	70-130	10	20	
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135	3	29	
1,2-Dibromoethane (EDB)	22.5	0.50	ug/l	25.0	ND	90	70-130	5	20	
Dibromomethane	26.2	0.50	ug/l	25.0	ND	105	70-130	6	20	
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,3-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130	9	20	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	9	20	
Dichlorodifluoromethane	28.3	0.50	ug/l	25.0	ND	113	36-150	16	22	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0	0.220	90	70-130	18	20	
1,2-Dichloroethane	22.2	0.50	ug/l	25.0	ND	89	68-143	10	20	
1,1-Dichloroethene	24.4	0.50	ug/l	25.0	0.320	96	70-130	17	20	
cis-1,2-Dichloroethene	21.6	0.50	ug/l	25.0	0.170	86	70-130	20	20	
trans-1,2-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	20	20	
1,2-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130	13	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
2,2-Dichloropropane	23.8	1.0	ug/l	25.0	ND	95	66-130	18	20	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
1,1-Dichloropropene	28.3	0.50	ug/l	25.0	ND	113	70-130	16	20	
cis-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	103	70-130	10	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	4	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	10	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	66-129	19	21	
2-Hexanone	23.0	2.5	ug/l	25.0	ND	92	18-150	9	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	110	47-141	27	29	
Isopropylbenzene	26.9	0.50	ug/l	25 0	ND	108	78-137	10	20	
p-Isopropyltoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	12	20	
Methylene Chloride	21.2	1.0	ug/l	25.0	ND	85	74-132	15	20	
4-Methyl-2-pentanone (MIBK)	25.9	2.5	ug/l	25.0	ND	104	56-145	3	26	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	67-138	3	21	
Naphthalene	25.0	2.5	ug/l	25.0	ND	100	54-135	0.5	33	
n-Propylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	7	20	
Styrene	24.1	0.50	ug/l	25.0	ND	97	51-123	6	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/l	25.0	ND	91	69-133	9	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	11	20	
Toluene	26.8	0.50	ug/l	25.0	ND	107	70-130	20	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	70-130	6	20	
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0	ND	101	66-126	4	20	
1,1,1-Trichloroethane	23.7	0.50	ug/l	25.0	ND	95	76-132	17	20	
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	70-130	6	20	
Trichloroethene	27.4	0.50	ug/l	25.0	0.730	107	70-130	15	20	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0	ND	120	74-150	17	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130	9	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	11	20	
1,3,5-Trimethylbenzene	24.7	0.50	ug/l	25.0	ND	99	61-138	9	33	
Vinyl Acetate	31.7	1.0	ug/l	25.0	ND	127	50-150	4	23	
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	58-139	16	21	
Xylenes, Total	51.1	1.0	ug/l	50.0	ND	102	70-130	10	20	
Freon 113	24.0	2.0	ug/l	25.0	ND	96	56-148	13	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
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	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25 0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25 0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*RI*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*RI*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

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: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										Q8
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										Q8
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; 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.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

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

Page 1 of 1

Client Name/Address: ERM
7272 E Indian School Rd, ~~85251~~
Scottsdale, AZ, 85251

Project/PO Number: 00 96498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane (8270C) only								Special Instructions
OU3-9M2-M-031110	W	40mL / 1L	3 / 2	3/11/11	1020	HCl / –	x	x				PVC0827		-01		
OU3-9S-S-031111	↓	↓	↓	↓	1105	↓	↓	↓						-02		
OU3-8D-D-031111	↓	↓	↓	↓	1310	↓	↓	↓						-03		
OU3-8S-S-031111	↓	↓	↓	↓	1535	↓	↓	↓						-04		
GW-EB4-031111	↓	↓	↓	↓	1536	↓	↓	↓						-05		
GW-L1-5-031111	↓	40mL	1	↓	–	HCl	↓	–						-06		Trip Blank VOC only!

Relinquished By:	Date/Time:	Received By:	Date/Time:
ERM / ERM	3/11 1622		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:
		[signature]	3-11-11 1622

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

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.

3.8° 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: 0096498.009

Sampled: 03/14/11
Received: 03/14/11
Issued: 03/24/11 06:43

NELAP #01109CA 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
PUC0911-01	OU3-6D-D-031411	Water
PUC0911-02	OU3-6M-M-031411	Water
PUC0911-03	EW-19D-D-031411	Water
PUC0911-04	OU3-2M-M-031411	Water
PUC0911-05	GW-EB5-031411	Water
PUC0911-06	GW-L1-6-031411	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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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. N1 - Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits. R1-The RPD exceeded the acceptance limit.
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.

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-01 (OU3-6D-D-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-01 (OU3-6D-D-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	**0.63**	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*108 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-02 (OU3-6M-M-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	**1.3**	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-02 (OU3-6M-M-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	**0.73**	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-03 (EW-19D-D-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	**0.50**	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-03 (EW-19D-D-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*106 %*				
Surrogate: Toluene-d8 (70-130%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-04 (OU3-2M-M-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	**0.60**	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	**0.85**	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	**4.5**	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	**7.4**	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	**6.8**	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-04 (OU3-2M-M-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	**1.4**	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	**31**	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*108 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*109 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-05 (GW-EB5-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	**1.6**	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	**1.8**	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	**0.88**	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-05 (GW-EB5-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*109 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-06 (GW-L1-6-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-06 (GW-L1-6-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*105 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: PUC0911-01 (OU3-6D-D-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*85 %*				
Sample ID: PUC0911-02 (OU3-6M-M-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC0911-03 (EW-19D-D-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0911-04 (OU3-2M-M-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**2.0**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				
Sample ID: PUC0911-05 (GW-EB5-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				

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	Project ID: 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/14/11
Scottsdale, AZ 85251	Report Number: PUC0911	Received: 03/14/11
Attention: Jason Hilker		

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: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
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	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
Acetone	23.6	10	ug/l	25.0		94	30-150			
Benzene	24.4	0.50	ug/l	25.0		97	70-130			
Bromobenzene	22.3	0.50	ug/l	25.0		89	70-130			
Bromochloromethane	19.3	0.50	ug/l	25.0		77	70-130			
Bromodichloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromoform	21.7	1.0	ug/l	25.0		87	67-122			
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132			
2-Butanone (MEK)	22.4	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
sec-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	22.2	0.50	ug/l	25.0		89	61-126			
Carbon tetrachloride	28.1	0.50	ug/l	25.0		112	70-130			
Chlorobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128			
Chloroform	22.2	0.50	ug/l	25.0		89	70-130			
Chloromethane	24.7	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.8	0.50	ug/l	25.0		91	70-130			
4-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
Dibromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
1,2-Dibromo-3-chloropropane	22.1	2.5	ug/l	25.0		88	63-129			
1,2-Dibromoethane (EDB)	22.6	0.50	ug/l	25.0		90	70-130			
Dibromomethane	25.6	0.50	ug/l	25.0		102	70-130			
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/l	25.0		88	70-130			
Dichlorodifluoromethane	26.7	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,2-Dichloroethane	22.7	0.50	ug/l	25.0		91	72-133			
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130			
trans-1,2-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	22.0	1.0	ug/l	25.0		88	70-130			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
1,1-Dichloropropene	26.5	0.50	ug/l	25.0		106	70-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	70-130			
Ethylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		106	70-130			
2-Hexanone	25.0	2.5	ug/l	25.0		100	44-150			
Iodomethane	22.8	2.5	ug/l	25.0		91	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	24.0	0.50	ug/l	25.0		96	70-130			
Methylene Chloride	20.1	1.0	ug/l	25.0		80	70-130			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	61-142			
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
Styrene	24.5	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	24.6	0.50	ug/l	25.0		98	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130			
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		99	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Trichlorofluoromethane	28.3	0.50	ug/l	25.0		113	78-149			
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		89	70-130			
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130			
Vinyl Acetate	27.4	1.0	ug/l	25.0		109	57-149			
Vinyl chloride	24.8	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	50.3	1.0	ug/l	50.0		101	70-130			
Freon 113	22.8	2.0	ug/l	25.0		91	63-136			
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
Acetone	27.3	10	ug/l	25.0		109	30-150	15	35	
Benzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromobenzene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Bromochloromethane	20.1	0.50	ug/l	25.0		80	70-130	4	20	
Bromodichloromethane	26.4	0.50	ug/l	25.0		106	70-130	2	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	2	20	
Bromomethane	23.9	1.0	ug/l	25.0		95	64-132	7	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	48-150	10	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
sec-Butylbenzene	23.7	0.50	ug/l	25.0		95	70-130	0.5	20	
tert-Butylbenzene	23.4	0.50	ug/l	25.0		93	70-130	4	20	
Carbon disulfide	22.9	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	28.4	0.50	ug/l	25.0		114	70-130	1	20	
Chlorobenzene	24.4	0.50	ug/l	25.0		97	70-130	2	20	
Chloroethane	22.9	1.0	ug/l	25.0		91	69-128	2	20	
Chloroform	22.6	0.50	ug/l	25.0		91	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
4-Chlorotoluene	23.7	0.50	ug/l	25.0		95	70-130	2	20	
Dibromochloromethane	25.5	0.50	ug/l	25.0		102	70-130	6	20	
1,2-Dibromo-3-chloropropane	23.0	2.5	ug/l	25.0		92	63-129	4	25	
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0		94	70-130	4	20	
Dibromomethane	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0		90	70-130	0.6	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	2	20	
1,4-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130	2	20	
Dichlorodifluoromethane	26.8	0.50	ug/l	25.0		107	42-150	0.5	20	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	2	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	4	20	
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0		86	70-130	5	20	
trans-1,2-Dichloroethene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
1,3-Dichloropropane	23.7	0.50	ug/l	25.0		95	70-130	0.3	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0		89	70-130	2	20	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
1,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	1	20	
cis-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0		108	70-130	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
Hexachlorobutadiene	27.0	1.0	ug/l	25.0		108	70-130	2	20	
2-Hexanone	27.0	2.5	ug/l	25.0		108	44-150	8	31	
Iodomethane	26.7	2.5	ug/l	25.0		107	58-138	16	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	4	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0		97	70-130	0.7	20	
Methylene Chloride	20.7	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	61-142	3	22	
Methyl-tert-butyl Ether (MTBE)	21.6	0.50	ug/l	25.0		86	70-130	4	20	
Naphthalene	24.1	2.5	ug/l	25.0		96	65-129	0.04	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	4	20	
Styrene	26.1	0.50	ug/l	25.0		105	70-130	6	20	
1,1,1,2-Tetrachloroethane	23.9	0.50	ug/l	25.0		96	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	22.7	0.50	ug/l	25.0		91	70-130	1	20	
Tetrachloroethene	24.7	0.50	ug/l	25.0		99	70-130	0.6	20	
Toluene	24.9	0.50	ug/l	25.0		99	70-130	0.8	20	
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	70-130	0.5	20	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130	2	20	
1,1,1-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130	3	20	
1,1,2-Trichloroethane	24.4	0.50	ug/l	25.0		97	70-130	4	20	
Trichloroethene	26.2	0.50	ug/l	25.0		105	70-130	2	20	
Trichlorofluoromethane	28.4	0.50	ug/l	25.0		114	78-149	0.6	20	
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0		94	70-130	5	20	
1,2,4-Trimethylbenzene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
1,3,5-Trimethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	0.6	20	
Vinyl Acetate	28.9	1.0	ug/l	25.0		116	57-149	6	21	
Vinyl chloride	26.2	0.50	ug/l	25.0		105	66-134	5	20	
Xylenes, Total	50.8	1.0	ug/l	50.0		102	70-130	0.9	20	
Freon 113	23.1	2.0	ug/l	25.0		92	63-136	1	20	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
Acetone	17.6	10	ug/l	25.0	ND	71	10-150			
Benzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Bromobenzene	21.6	0.50	ug/l	25.0	ND	87	70-130			
Bromochloromethane	17.6	0.50	ug/l	25.0	ND	70	70-130			
Bromodichloromethane	24.0	0.50	ug/l	25.0	0.320	95	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	19.1	1.0	ug/l	25.0	ND	76	55-136			
2-Butanone (MEK)	19.4	2.5	ug/l	25.0	ND	77	22-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	93	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
tert-Butylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Carbon disulfide	20.6	0.50	ug/l	25.0	0.170	82	56-132			
Carbon tetrachloride	25.7	0.50	ug/l	25.0	ND	103	76-131			
Chlorobenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	19.7	0.50	ug/l	25.0	1.31	73	70-130			
Chloromethane	22.7	1.0	ug/l	25.0	ND	91	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	23.9	2.5	ug/l	25.0	ND	96	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.6	0.50	ug/l	25.0	ND	99	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/l	25.0	ND	84	70-130			
Dichlorodifluoromethane	24.0	0.50	ug/l	25.0	ND	96	36-150			
1,1-Dichloroethane	18.9	0.50	ug/l	25.0	0.220	75	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	20.6	0.50	ug/l	25.0	0.320	81	70-130			
cis-1,2-Dichloroethene	17.7	0.50	ug/l	25.0	0.170	70	70-130			
trans-1,2-Dichloroethene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	23.1	0.50	ug/l	25.0	ND	93	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	80	66-130			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
1,1-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	70-130			
cis-1,3-Dichloropropene	23.3	0.50	ug/l	25.0	ND	93	70-130			
trans-1,3-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	22.6	0.50	ug/l	25 0	ND	90	70-130			
Hexachlorobutadiene	22.7	1.0	ug/l	25.0	ND	91	66-129			
2-Hexanone	25.3	2.5	ug/l	25.0	ND	101	18-150			
Iodomethane	21.1	2.5	ug/l	25.0	ND	84	47-141			
Isopropylbenzene	24.4	0.50	ug/l	25.0	ND	98	78-137			
p-Isopropyltoluene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	18.2	1.0	ug/l	25.0	ND	73	74-132			*M2*
4-Methyl-2-pentanone (MIBK)	26.6	2.5	ug/l	25.0	ND	106	56-145			
Methyl-tert-butyl Ether (MTBE)	19.6	0.50	ug/l	25.0	ND	78	67-138			
Naphthalene	25.1	2.5	ug/l	25.0	ND	100	54-135			
n-Propylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Styrene	22.7	0.50	ug/l	25.0	ND	91	51-123			
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133			
Tetrachloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Toluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	66-126			
1,1,1-Trichloroethane	20.1	0.50	ug/l	25.0	ND	80	76-132			
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130			
Trichloroethene	23.4	0.50	ug/l	25.0	0.730	91	70-130			
Trichlorofluoromethane	25.3	0.50	ug/l	25.0	ND	101	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,3,5-Trimethylbenzene	22.5	0.50	ug/l	25.0	ND	90	61-138			
Vinyl Acetate	30.6	1.0	ug/l	25.0	ND	122	50-150			
Vinyl chloride	23.0	0.50	ug/l	25.0	ND	92	58-139			
Xylenes, Total	46.4	1.0	ug/l	50.0	ND	93	70-130			
Freon 113	21.0	2.0	ug/l	25.0	ND	84	56-148			
Surrogate: Dibromofluoromethane	*19.3*		*ug/l*	*25.0*		*77*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
Acetone	18.2	10	ug/l	25.0	ND	73	10-150	3	35	
Benzene	26.3	0.50	ug/l	25.0	ND	105	70-130	18	20	
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	8	20	
Bromochloromethane	19.9	0.50	ug/l	25.0	ND	79	70-130	12	20	
Bromodichloromethane	26.2	0.50	ug/l	25.0	0.320	104	70-130	9	20	
Bromoform	21.7	1.0	ug/l	25.0	ND	87	62-126	9	20	
Bromomethane	24.8	1.0	ug/l	25.0	ND	99	55-136	26	24	*R1*
2-Butanone (MEK)	21.8	2.5	ug/l	25.0	ND	87	22-150	12	31	
n-Butylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	12	20	
sec-Butylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	9	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	11	20	
Carbon disulfide	24.7	0.50	ug/l	25.0	0.170	98	56-132	18	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	119	76-131	15	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	14	20	
Chloroform	23.7	0.50	ug/l	25.0	1.31	89	70-130	18	20	
Chloromethane	28.3	1.0	ug/l	25.0	ND	113	50-135	22	20	*R1*
2-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
4-Chlorotoluene	24.7	0.50	ug/l	25.0	ND	99	70-130	10	20	
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135	3	29	
1,2-Dibromoethane (EDB)	22.5	0.50	ug/l	25.0	ND	90	70-130	5	20	
Dibromomethane	26.2	0.50	ug/l	25.0	ND	105	70-130	6	20	
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,3-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130	9	20	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	9	20	
Dichlorodifluoromethane	28.3	0.50	ug/l	25.0	ND	113	36-150	16	22	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0	0.220	90	70-130	18	20	
1,2-Dichloroethane	22.2	0.50	ug/l	25.0	ND	89	68-143	10	20	
1,1-Dichloroethene	24.4	0.50	ug/l	25.0	0.320	96	70-130	17	20	
cis-1,2-Dichloroethene	21.6	0.50	ug/l	25.0	0.170	86	70-130	20	20	
trans-1,2-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	20	20	
1,2-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130	13	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
2,2-Dichloropropane	23.8	1.0	ug/l	25.0	ND	95	66-130	18	20	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
1,1-Dichloropropene	28.3	0.50	ug/l	25.0	ND	113	70-130	16	20	
cis-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	103	70-130	10	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	4	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	10	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	66-129	19	21	
2-Hexanone	23.0	2.5	ug/l	25.0	ND	92	18-150	9	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	110	47-141	27	29	
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137	10	20	
p-Isopropyltoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	12	20	
Methylene Chloride	21.2	1.0	ug/l	25.0	ND	85	74-132	15	20	
4-Methyl-2-pentanone (MIBK)	25.9	2.5	ug/l	25.0	ND	104	56-145	3	26	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	67-138	3	21	
Naphthalene	25.0	2.5	ug/l	25.0	ND	100	54-135	0.5	33	
n-Propylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	7	20	
Styrene	24.1	0.50	ug/l	25.0	ND	97	51-123	6	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/l	25.0	ND	91	69-133	9	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	11	20	
Toluene	26.8	0.50	ug/l	25.0	ND	107	70-130	20	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	70-130	6	20	
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0	ND	101	66-126	4	20	
1,1,1-Trichloroethane	23.7	0.50	ug/l	25.0	ND	95	76-132	17	20	
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	70-130	6	20	
Trichloroethene	27.4	0.50	ug/l	25.0	0.730	107	70-130	15	20	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0	ND	120	74-150	17	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130	9	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	11	20	
1,3,5-Trimethylbenzene	24.7	0.50	ug/l	25.0	ND	99	61-138	9	33	
Vinyl Acetate	31.7	1.0	ug/l	25.0	ND	127	50-150	4	23	
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	58-139	16	21	
Xylenes, Total	51.1	1.0	ug/l	50.0	ND	102	70-130	10	20	
Freon 113	24.0	2.0	ug/l	25.0	ND	96	56-148	13	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Blank Analyzed: 03/21/2011 (11C0758-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Blank Analyzed: 03/21/2011 (11C0758-BLK1)										
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	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
LCS Analyzed: 03/21/2011 (11C0758-BS1)										
Acetone	27.3	10	ug/l	25.0		109	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	25.3	0.50	ug/l	25.0		101	70-130			
Bromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
Bromodichloromethane	23.4	0.50	ug/l	25.0		94	70-130			
Bromoform	21.8	1.0	ug/l	25.0		87	67-122			
Bromomethane	29.0	1.0	ug/l	25.0		116	64-132			
2-Butanone (MEK)	27.2	2.5	ug/l	25.0		109	48-150			
n-Butylbenzene	27.1	0.50	ug/l	25.0		108	70-130			
sec-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
tert-Butylbenzene	25.6	0.50	ug/l	25.0		102	70-130			
Carbon disulfide	25.6	0.50	ug/l	25.0		102	61-126			
Carbon tetrachloride	23.5	0.50	ug/l	25.0		94	70-130			
Chlorobenzene	24.1	0.50	ug/l	25.0		96	70-130			
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128			
Chloroform	22.9	0.50	ug/l	25.0		92	70-130			
Chloromethane	25.1	1.0	ug/l	25.0		100	56-131			
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	70-130			
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	70-130			
Dibromochloromethane	25.2	0.50	ug/l	25.0		101	70-130			
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0		96	63-129			
1,2-Dibromoethane (EDB)	23.8	0.50	ug/l	25.0		95	70-130			
Dibromomethane	23.6	0.50	ug/l	25.0		95	70-130			
1,2-Dichlorobenzene	25.2	0.50	ug/l	25.0		101	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.6	0.50	ug/l	25.0		98	70-130			
Dichlorodifluoromethane	20.7	0.50	ug/l	25.0		83	42-150			
1,1-Dichloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloroethane	23.4	0.50	ug/l	25.0		93	72-133			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0		95	70-130			
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	25.7	1.0	ug/l	25.0		103	70-130			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
LCS Analyzed: 03/21/2011 (11C0758-BS1)										
1,1-Dichloropropene	23.3	0.50	ug/l	25.0		93	70-130			
cis-1,3-Dichloropropene	25.5	0.50	ug/l	25.0		102	70-130			
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	70-130			
Ethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	25.8	1.0	ug/l	25.0		103	70-130			
2-Hexanone	27.6	2.5	ug/l	25.0		110	44-150			
Iodomethane	31.0	2.5	ug/l	25.0		124	58-138			
Isopropylbenzene	27.7	0.50	ug/l	25.0		111	70-130			
p-Isopropyltoluene	25.9	0.50	ug/l	25.0		104	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.3	2.5	ug/l	25.0		101	61-142			
Methyl-tert-butyl Ether (MTBE)	24.9	0.50	ug/l	25.0		100	70-130			
Naphthalene	27.8	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.9	0.50	ug/l	25.0		107	70-130			
Styrene	26.3	0.50	ug/l	25.0		105	70-130			
1,1,1,2-Tetrachloroethane	24.1	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	24.0	0.50	ug/l	25.0		96	70-130			
1,2,3-Trichlorobenzene	26.7	1.0	ug/l	25.0		107	70-130			
1,2,4-Trichlorobenzene	26.8	1.0	ug/l	25.0		107	70-130			
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
Trichloroethene	23.6	0.50	ug/l	25.0		95	70-130			
Trichlorofluoromethane	24.8	0.50	ug/l	25.0		99	78-149			
1,2,3-Trichloropropane	25.3	1.0	ug/l	25.0		101	70-130			
1,2,4-Trimethylbenzene	26.6	0.50	ug/l	25.0		106	70-130			
1,3,5-Trimethylbenzene	25.9	0.50	ug/l	25.0		103	70-130			
Vinyl Acetate	31.2	1.0	ug/l	25.0		125	57-149			
Vinyl chloride	24.7	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.7	2.0	ug/l	25.0		95	63-136			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
LCS Dup Analyzed: 03/21/2011 (11C0758-BSD1)										
Acetone	28.2	10	ug/l	25.0		113	30-150	3	35	
Benzene	23.4	0.50	ug/l	25.0		94	70-130	0.7	20	
Bromobenzene	25.3	0.50	ug/l	25.0		101	70-130	0.1	20	
Bromochloromethane	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Bromodichloromethane	23.6	0.50	ug/l	25.0		94	70-130	0.6	20	
Bromoform	22.8	1.0	ug/l	25.0		91	67-122	5	20	
Bromomethane	29.8	1.0	ug/l	25.0		119	64-132	3	20	
2-Butanone (MEK)	27.9	2.5	ug/l	25.0		112	48-150	3	33	
n-Butylbenzene	26.4	0.50	ug/l	25.0		106	70-130	2	20	
sec-Butylbenzene	25.5	0.50	ug/l	25.0		102	70-130	3	20	
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130	0.4	20	
Carbon disulfide	25.3	0.50	ug/l	25.0		101	61-126	0.9	20	
Carbon tetrachloride	22.6	0.50	ug/l	25.0		90	70-130	4	20	
Chlorobenzene	23.6	0.50	ug/l	25.0		95	70-130	2	20	
Chloroethane	24.4	1.0	ug/l	25.0		97	69-128	2	20	
Chloroform	22.5	0.50	ug/l	25.0		90	70-130	2	20	
Chloromethane	24.9	1.0	ug/l	25.0		100	56-131	0.7	20	
2-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130	2	20	
4-Chlorotoluene	26.2	0.50	ug/l	25.0		105	70-130	0.4	20	
Dibromochloromethane	25.2	0.50	ug/l	25.0		101	70-130	0	20	
1,2-Dibromo-3-chloropropane	24.2	2.5	ug/l	25.0		97	63-129	0.8	25	
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0		95	70-130	0.2	20	
Dibromomethane	22.6	0.50	ug/l	25.0		90	70-130	4	20	
1,2-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130	2	20	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	0.7	20	
Dichlorodifluoromethane	20.2	0.50	ug/l	25.0		81	42-150	3	20	
1,1-Dichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	0.8	20	
1,1-Dichloroethene	23.6	0.50	ug/l	25.0		95	70-130	0.6	20	
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130	0.2	20	
trans-1,2-Dichloroethene	23.4	0.50	ug/l	25.0		94	70-130	2	20	
1,2-Dichloropropane	23.2	0.50	ug/l	25.0		93	70-130	3	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	0.08	20	
2,2-Dichloropropane	25.1	1.0	ug/l	25.0		100	70-130	2	20	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
LCS Dup Analyzed: 03/21/2011 (11C0758-BSD1)										
1,1-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
cis-1,3-Dichloropropene	24.6	0.50	ug/l	25.0		98	70-130	4	20	
trans-1,3-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	2	20	
Ethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	3	20	
Hexachlorobutadiene	26.7	1.0	ug/l	25.0		107	70-130	3	20	
2-Hexanone	29.9	2.5	ug/l	25.0		120	44-150	8	31	
Iodomethane	33.4	2.5	ug/l	25.0		133	58-138	7	25	
Isopropylbenzene	28.5	0.50	ug/l	25.0		114	70-130	3	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0		103	70-130	1	20	
Methylene Chloride	23.4	1.0	ug/l	25.0		94	70-130	0.6	20	
4-Methyl-2-pentanone (MIBK)	25.7	2.5	ug/l	25.0		103	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	24.7	0.50	ug/l	25.0		99	70-130	0.9	20	
Naphthalene	27.6	2.5	ug/l	25.0		110	65-129	0.8	20	
n-Propylbenzene	26.9	0.50	ug/l	25.0		108	70-130	0.1	20	
Styrene	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,1,1,2-Tetrachloroethane	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,1,2,2-Tetrachloroethane	25.7	0.50	ug/l	25.0		103	70-130	0.8	20	
Tetrachloroethene	23.6	0.50	ug/l	25.0		94	70-130	0.7	20	
Toluene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	1	20	
1,2,4-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.9	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		96	70-130	2	20	
Trichloroethene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Trichlorofluoromethane	24.2	0.50	ug/l	25.0		97	78-149	2	20	
1,2,3-Trichloropropane	25.5	1.0	ug/l	25.0		102	70-130	0.6	20	
1,2,4-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	70-130	0.6	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0		102	70-130	1	20	
Vinyl Acetate	30.2	1.0	ug/l	25.0		121	57-149	3	21	
Vinyl chloride	24.2	0.50	ug/l	25.0		97	66-134	2	20	
Xylenes, Total	47.7	1.0	ug/l	50.0		95	70-130	4	20	
Freon 113	22.9	2.0	ug/l	25.0		92	63-136	3	20	
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Matrix Spike Analyzed: 03/21/2011 (11C0758-MS1)					**Source: PUC1225-05**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150			
Benzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Bromobenzene	26.0	0.50	ug/l	25.0	ND	104	70-130			
Bromochloromethane	24.3	0.50	ug/l	25.0	ND	97	70-130			
Bromodichloromethane	23.7	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	22.3	1.0	ug/l	25.0	ND	89	62-126			
Bromomethane	29.0	1.0	ug/l	25.0	ND	116	55-136			
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	93	22-150			
n-Butylbenzene	27.5	0.50	ug/l	25.0	ND	110	70-130			
sec-Butylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130			
tert-Butylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130			
Carbon disulfide	29.5	0.50	ug/l	25.0	0.240	117	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	25.3	0.50	ug/l	25.0	ND	101	70-130			
Chloroethane	26.3	1.0	ug/l	25.0	ND	105	67-134			
Chloroform	24.0	0.50	ug/l	25.0	0.500	94	70-130			
Chloromethane	26.9	1.0	ug/l	25.0	ND	108	50-135			
2-Chlorotoluene	26.3	0.50	ug/l	25.0	ND	105	70-130			
4-Chlorotoluene	26.8	0.50	ug/l	25.0	ND	107	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0	ND	95	60-135			
1,2-Dibromoethane (EDB)	24.0	0.50	ug/l	25.0	ND	96	70-130			
Dibromomethane	23.4	0.50	ug/l	25.0	ND	94	70-130			
1,2-Dichlorobenzene	25.9	0.50	ug/l	25.0	ND	104	70-130			
1,3-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	100	70-130			
Dichlorodifluoromethane	24.8	0.50	ug/l	25.0	ND	99	36-150			
1,1-Dichloroethane	25.3	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	23.5	0.50	ug/l	25.0	ND	94	68-143			
1,1-Dichloroethene	28.2	0.50	ug/l	25.0	ND	113	70-130			
cis-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	96	70-130			
trans-1,2-Dichloroethene	26.6	0.50	ug/l	25.0	ND	106	70-130			
1,2-Dichloropropane	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,3-Dichloropropane	23.9	0.50	ug/l	25.0	ND	96	70-130			
2,2-Dichloropropane	27.9	1.0	ug/l	25.0	ND	111	66-130			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Matrix Spike Analyzed: 03/21/2011 (11C0758-MS1)					**Source: PUC1225-05**					
1,1-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-130			
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0	ND	104	70-130			
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0	ND	105	71-132			
Ethylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130			
Hexachlorobutadiene	26.8	1.0	ug/l	25.0	ND	107	66-129			
2-Hexanone	24.1	2.5	ug/l	25.0	ND	96	18-150			
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	47-141			
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	78-137			
p-Isopropyltoluene	27.4	0.50	ug/l	25.0	ND	110	70-130			
Methylene Chloride	24.3	1.0	ug/l	25.0	ND	97	74-132			
4-Methyl-2-pentanone (MIBK)	25.2	2.5	ug/l	25.0	ND	101	56-145			
Methyl-tert-butyl Ether (MTBE)	25.3	0.50	ug/l	25.0	ND	101	67-138			
Naphthalene	28.2	2.5	ug/l	25.0	ND	113	54-135			
n-Propylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-130			
Styrene	27.1	0.50	ug/l	25.0	ND	108	51-123			
1,1,1,2-Tetrachloroethane	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,1,2,2-Tetrachloroethane	26.2	0.50	ug/l	25.0	ND	105	69-133			
Tetrachloroethene	26.7	0.50	ug/l	25.0	ND	107	70-130			
Toluene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,2,3-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	70-130			
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	66-126			
1,1,1-Trichloroethane	26.2	0.50	ug/l	25.0	ND	105	76-132			
1,1,2-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
Trichloroethene	24.7	0.50	ug/l	25.0	0.120	98	70-130			
Trichlorofluoromethane	28.9	0.50	ug/l	25.0	ND	116	74-150			
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0	ND	103	70-130			
1,2,4-Trimethylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130			
1,3,5-Trimethylbenzene	27.1	0.50	ug/l	25.0	ND	108	61-138			
Vinyl Acetate	32.6	1.0	ug/l	25.0	ND	130	50-150			
Vinyl chloride	28.4	0.50	ug/l	25.0	ND	114	58-139			
Xylenes, Total	52.2	1.0	ug/l	50.0	ND	104	70-130			
Freon 113	28.0	2.0	ug/l	25.0	ND	112	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Matrix Spike Dup Analyzed: 03/21/2011 (11C0758-MSD1)					**Source: PUC1225-05**					
Acetone	16.2	10	ug/l	25.0	ND	65	10-150	0.9	35	
Benzene	24.7	0.50	ug/l	25.0	ND	99	70-130	0.2	20	
Bromobenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	0	20	
Bromochloromethane	23.9	0.50	ug/l	25.0	ND	96	70-130	2	20	
Bromodichloromethane	23.6	0.50	ug/l	25.0	ND	94	70-130	0.6	20	
Bromoform	22.5	1.0	ug/l	25.0	ND	90	62-126	0.8	20	
Bromomethane	29.7	1.0	ug/l	25.0	ND	119	55-136	2	24	
2-Butanone (MEK)	21.4	2.5	ug/l	25.0	ND	86	22-150	8	31	
n-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130	3	20	
sec-Butylbenzene	27.1	0.50	ug/l	25.0	ND	108	70-130	1	20	
tert-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	5	20	
Carbon disulfide	28.4	0.50	ug/l	25.0	0.240	112	56-132	4	20	
Carbon tetrachloride	25.1	0.50	ug/l	25.0	ND	101	76-131	4	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	5	20	
Chloroethane	25.8	1.0	ug/l	25.0	ND	103	67-134	2	20	
Chloroform	23.2	0.50	ug/l	25.0	0.500	91	70-130	4	20	
Chloromethane	25.6	1 0	ug/l	25.0	ND	102	50-135	5	20	
2-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-130	2	20	
4-Chlorotoluene	26.8	0.50	ug/l	25.0	ND	107	70-130	0.07	20	
Dibromochloromethane	24.5	0.50	ug/l	25.0	ND	98	70-130	6	20	
1,2-Dibromo-3-chloropropane	25.1	2.5	ug/l	25.0	ND	100	60-135	6	29	
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
Dibromomethane	23.0	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	25.8	0.50	ug/l	25.0	ND	103	70-130	0.3	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,4-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	0.5	20	
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150	9	22	
1,1-Dichloroethane	24.0	0.50	ug/l	25.0	ND	96	70-130	5	20	
1,2-Dichloroethane	22.6	0.50	ug/l	25.0	ND	90	68-143	4	20	
1,1-Dichloroethene	26.4	0.50	ug/l	25.0	ND	106	70-130	6	20	
cis-1,2-Dichloroethene	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
1,2-Dichloropropane	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
1,3-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
2,2-Dichloropropane	26.8	1.0	ug/l	25.0	ND	107	66-130	4	20	

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0758 Extracted: 03/21/11										
Matrix Spike Dup Analyzed: 03/21/2011 (11C0758-MSD1)					**Source: PUC1225-05**					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	3	20	
cis-1,3-Dichloropropene	25.4	0.50	ug/l	25.0	ND	102	70-130	2	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	4	20	
Hexachlorobutadiene	25.8	1.0	ug/l	25.0	ND	103	66-129	3	21	
2-Hexanone	22.5	2.5	ug/l	25.0	ND	90	18-150	7	25	
Iodomethane	31.9	2.5	ug/l	25.0	ND	128	47-141	12	29	
Isopropylbenzene	30.3	0.50	ug/l	25.0	ND	121	78-137	2	20	
p-Isopropyltoluene	26.9	0.50	ug/l	25.0	ND	108	70-130	2	20	
Methylene Chloride	23.6	1.0	ug/l	25.0	ND	94	74-132	3	20	
4-Methyl-2-pentanone (MIBK)	25.4	2.5	ug/l	25.0	ND	102	56-145	0.7	26	
Methyl-tert-butyl Ether (MTBE)	24.6	0.50	ug/l	25.0	ND	98	67-138	3	21	
Naphthalene	28.1	2.5	ug/l	25.0	ND	112	54-135	0.3	33	
n-Propylbenzene	28.1	0.50	ug/l	25.0	ND	112	70-130	0.9	20	
Styrene	25.6	0.50	ug/l	25.0	ND	102	51-123	6	21	
1,1,1,2-Tetrachloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	6	20	
1,1,2,2-Tetrachloroethane	25.4	0.50	ug/l	25.0	ND	101	69-133	3	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0	ND	100	70-130	6	20	
Toluene	24.1	0.50	ug/l	25.0	ND	97	70-130	3	20	
1,2,3-Trichlorobenzene	26.5	1.0	ug/l	25.0	ND	106	70-130	0.3	20	
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0	ND	109	66-126	1	20	
1,1,1-Trichloroethane	24.0	0.50	ug/l	25.0	ND	96	76-132	9	20	
1,1,2-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130	0.08	20	
Trichloroethene	24.4	0.50	ug/l	25.0	0.120	97	70-130	1	20	
Trichlorofluoromethane	27.0	0.50	ug/l	25.0	ND	108	74-150	7	20	
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0	ND	104	70-130	1	20	
1,2,4-Trimethylbenzene	27.4	0.50	ug/l	25.0	ND	109	70-130	2	20	
1,3,5-Trimethylbenzene	27.1	0.50	ug/l	25.0	ND	109	61-138	0.2	33	
Vinyl Acetate	32.1	1.0	ug/l	25.0	ND	129	50-150	1	23	
Vinyl chloride	26.1	0.50	ug/l	25.0	ND	104	58-139	9	21	
Xylenes, Total	49.3	1.0	ug/l	50.0	ND	99	70-130	6	20	
Freon 113	25.7	2.0	ug/l	25.0	ND	103	56-148	9	22	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

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: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were 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

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	Project ID: 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/14/11
Scottsdale, AZ 85251	Report Number: PUC0911	Received: 03/14/11
Attention: Jason Hilker		

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-550 (12/08)

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 - 2520 E. Sunset, Suite 3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ, 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com
Sampler: Adam Nagle

Phone Number: 480-998-2401
Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)	~~MS/MSD~~							Special Instructions
OU3-6D-D-031411	W	40mL / 1L	3 / 2	3/14/11	0950	HCl / –	X	X				AVC	0911	-01		
OU3-6M-M-031411	↓	↓	3 / 2	↓	1105	↓	↓	↓						-02		
OU3-6M-M-031411-MSMSD	↓	↓	3 / 2	↓	1105	↓	↓	↓						↓		MS/MSD
EW-19D-D-031411	↓	↓	3 / 2	↓	1452	↓	↓	↓						-03		
OU3-2M-M-031411	↓	↓	3 / 2	↓	1645	↓	↓	↓						-04		
GW-EB5-031411	↓	↓		↓	1646	↓	↓	↓						-05		
GW-L1-6-031411	↓	40mL	1	↓	–	HCl	↓							-06		TRIP BLANK VOCs ONLY

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature] / ERM	3/14 1720		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received In Lab By: [signature]	Date/Time: 3/14/11 1720

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

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.

1.2°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 0096498.009

Sampled: 03/09/11
Received: 03/09/11
Issued: 03/18/11 16:29

NELAP #01109CA 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
PUC0635-01	OU3-14D-D-030911	Water
PUC0635-02	OU3-12D-D-030911	Water
PUC0635-03	SC-MW-1D-S-030911	Water

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.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-01 (OU3-14D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	**0.50**	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-01 (OU3-14D-D-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**1.8**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-02 (OU3-12D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-02 (OU3-12D-D-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ng/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-03 (SC-MW-1D-S-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**1.4**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	**0.83**	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	**0.84**	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-03 (SC-MW-1D-S-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**1.6**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: PUC0635-01 (OU3-14D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*89 %*				
Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*90 %*				
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*85 %*				

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
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	0.50	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							

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
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	*20.7*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	26.4	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		102	48-150			
n-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	21.8	0.50	ug/l	25.0		87	70-130			
Chloromethane	24.8	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	23.8	0.50	ug/l	25.0		95	70-130			
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	25.1	0.50	ug/l	25.0		100	70-130			
Dibromomethane	26.2	0.50	ug/l	25.0		105	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/l	25.0		97	70-130			
1,3-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
1,4-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Dichlorodifluoromethane	27.4	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	21.4	0.50	ug/l	25.0		86	70-130			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	72-133			
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichloropropane	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	24.9	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
Ethylbenzene	24.2	0.50	ug/l	25.0		97	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	28.0	2.5	ug/l	25.0		112	44-150			
Iodomethane	34.8	2.5	ug/l	25.0		139	58-138			*L3*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130			
Methylene Chloride	21.3	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	30.0	2.5	ug/l	25.0		120	61-142			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0		93	70-130			
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129			
n-Propylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Styrene	24.8	0.50	ug/l	25.0		99	70-130			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	70-130			
1,1,2,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	23.8	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	70-130			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3,5-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Vinyl Acetate	39.0	1.0	ug/l	25.0		156	57-149			*L3*
Vinyl chloride	24.9	0.50	ug/l	25.0		100	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.3	2.0	ug/l	25.0		93	63-136			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*70-130*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
Acetone	17.4	10	ug/l	25.0		69	30-150	21	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	1	20	
Bromobenzene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0		98	70-130	5	20	
Bromoform	22.4	1.0	ug/l	25.0		89	67-122	13	20	
Bromomethane	22.8	1.0	ug/l	25.0		91	64-132	15	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		87	48-150	17	33	
n-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130	2	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Carbon disulfide	24.0	0.50	ug/l	25.0		96	61-126	2	20	
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130	0.6	20	
Chloroethane	23.9	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
4-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130	8	20	
1,2-Dibromo-3-chloropropane	21.9	2.5	ug/l	25.0		87	63-129	17	25	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0		91	70-130	10	20	
Dibromomethane	24.6	0.50	ug/l	25.0		99	70-130	6	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		93	70-130	2	20	
Dichlorodifluoromethane	27.8	0.50	ug/l	25.0		111	42-150	1	20	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloroethane	22.4	0.50	ug/l	25.0		90	72-133	6	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
cis-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	0.09	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	3	20	
1,3-Dichloropropane	23.1	0.50	ug/l	25.0		93	70-130	7	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130	5	20	

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
1,1-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130	8	20	
Ethylbenzene	24.9	0.50	ug/l	25.0		100	70-130	3	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	2	20	
2-Hexanone	21.2	2.5	ug/l	25.0		85	44-150	28	31	
Iodomethane	25.8	2.5	ug/l	25.0		103	58-138	30	25	*R1*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.08	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	25	22	*R6*
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130	10	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	16	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
Styrene	24.8	0.50	ug/l	25.0		99	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
1,1,2,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	16	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-130	1	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	11	20	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130	6	20	
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	70-130	7	20	
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130	1	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25.0		115	78-149	0.6	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	70-130	17	20	
1,2,4-Trimethylbenzene	25.2	0.50	ug/l	25.0		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
Vinyl Acetate	29.0	1.0	ug/l	25.0		116	57-149	29	21	*R1*
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134	4	20	
Xylenes, Total	49.8	1.0	ug/l	50.0		100	70-130	0.6	20	
Freon 113	23.8	2.0	ug/l	25.0		95	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
Acetone	17.0	10	ug/l	25.0	ND	68	10-150			
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	21.0	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	62-126			
Bromomethane	23.7	1.0	ug/l	25.0	ND	95	55-136			
2-Butanone (MEK)	20.7	2.5	ug/l	25.0	ND	83	22-150			
n-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Carbon disulfide	24.8	0.50	ug/l	25 0	0.220	98	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	22.9	0.50	ug/l	25.0	ND	91	70-130			
Chloroethane	23.6	1.0	ug/l	25.0	ND	94	67-134			
Chloroform	21.2	0.50	ug/l	25.0	ND	85	70-130			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135			
2-Chlorotoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dichlorodifluoromethane	27.6	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	66-130			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	25.1	0.50	ug/l	25.0	0.500	98	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	31.7	2.5	ug/l	25.0	ND	127	47-141			
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137			
p-Isopropyltoluene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	56-145			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	67-138			
Naphthalene	26.0	2.5	ug/l	25.0	ND	104	54-135			
n-Propylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	51-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133			
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	61-138			
Vinyl Acetate	35.9	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	26.2	0.50	ug/l	25.0	ND	105	58-139			
Xylenes, Total	52.6	1.0	ug/l	50.0	1.75	102	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150	5	35	
Benzene	22.8	0.50	ug/l	25.0	ND	91	70-130	0.7	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	6	20	
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	62-126	8	20	
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136	12	24	
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	79	22-150	5	31	
n-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
tert-Butylbenzene	23.7	0.50	ug/l	25.0	ND	95	70-130	3	20	
Carbon disulfide	24.3	0.50	ug/l	25.0	0.220	96	56-132	2	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	76-131	3	20	
Chlorobenzene	22.4	0.50	ug/l	25.0	ND	89	70-130	2	20	
Chloroethane	22.7	1.0	ug/l	25.0	ND	91	67-134	4	20	
Chloroform	21.3	0.50	ug/l	25.0	ND	85	70-130	0.09	20	
Chloromethane	24.4	1.0	ug/l	25 0	ND	97	50-135	5	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	3	20	
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135	7	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	7	20	
Dibromomethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	3	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	5	20	
Dichlorodifluoromethane	27.0	0.50	ug/l	25.0	ND	108	36-150	2	22	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	4	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	3	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,2-Dichloroethene	21.5	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	6	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0	ND	90	66-130	7	20	

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	1	20	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	70-130	4	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	71-132	5	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	0.500	94	70-130	5	20	
Hexachlorobutadiene	25.5	1 0	ug/l	25.0	ND	102	66-129	2	21	
2-Hexanone	20.8	2.5	ug/l	25.0	ND	83	18-150	11	25	
Iodomethane	25.2	2.5	ug/l	25.0	ND	101	47-141	23	29	
Isopropylbenzene	26.8	0.50	ug/l	25.0	ND	107	78-137	0.4	20	
p-Isopropyltoluene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	0.3	20	
4-Methyl-2-pentanone (MIBK)	23.3	2.5	ug/l	25.0	ND	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138	4	21	
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	54-135	6	33	
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Styrene	23.2	0.50	ug/l	25.0	ND	93	51-123	4	21	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.2	0.50	ug/l	25.0	ND	89	69-133	9	20	
Tetrachloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-130	4	20	
1,2,3-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	97	70-130	3	20	
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Trichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	4	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	11	20	
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,3,5-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	61-138	2	33	
Vinyl Acetate	31.1	1.0	ug/l	25.0	ND	124	50-150	14	23	
Vinyl chloride	25.4	0.50	ug/l	25.0	ND	101	58-139	3	21	
Xylenes, Total	50.5	1.0	ug/l	50.0	1.75	97	70-130	4	20	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	56-148	1	22	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

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: 11C0426 Extracted: 03/11/11										
Blank Analyzed: 03/14/2011 (11C0426-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.6*		*ug/l*	*20.0*		*68*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/14/2011 (11C0426-BS1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.4*		*ug/l*	*20.0*		*87*	*35-140*			
LCS Dup Analyzed: 03/14/2011 (11C0426-BSD1)										**Q8**
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	85-115	0.1	20	
Surrogate: 1,4-Dioxane-d8	*15.6*		*ug/l*	*20.0*		*78*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*85*	*35-140*			

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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.

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC0635

NO: 2491

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	CU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	REQUESTED PARAMETERS: VOC (8260B)	REQUESTED PARAMETERS: 1,4-Dioxane Only (8270C)	
CU3-14D-D-030911	3/9/11	0945		X	Pump	HCl / -	Y	40mL / 1L	3 / 2		X		X	X	-01
CU3-12D-D-030911	"	1347		"	"	"	"	"	"		"		"	"	-02
CU-MW-1D-S-030911	"	1105		"	"	"	"	"	"		"		"	"	-03

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ERM	3/9	1710			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/9/11	1710

FIELD REMARKS: RUN LEVEL 3 (As Seperate report)

REMARKS ON SAMPLE RECEIPT

☑ BOTTLE INTACT ☐ CUSTODY SEALS ☒ CHILLED
☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS: 2-8°C

SEND REPORT TO: Jason.Hilker@ERM.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

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: 0096498.011

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/24/11 07:50

NELAP #01109CA 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
PUC1002-01	OU3-10S-S-031511	Water

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.

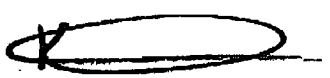
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: PUC1002-01 (OU3-10S-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	**0.69**	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.6**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.3**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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.

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: PUC1002-01 (OU3-10S-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**5.6**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: PUC1002-01 (OU3-10S-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**1.2**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	0.50	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							

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
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	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*VI*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25 0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25 0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25 0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25 0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*NI, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*NI, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

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: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1 0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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	Project ID: 0096498.011	
7272 E. Indian School Rd. Ste 100		Sampled: 03/15/11
Scottsdale, AZ 85251	Report Number: PUC1002	Received: 03/15/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
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

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: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

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

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale AZ 85251

Project/PO Number: 0096498.011

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480 998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
0113-105-S-031511	W	40ml / 1L	3 / 2	3/15/11	1110	HCl / -	X	X								PUC002-01

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature] / ERM	3/15 MO		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/15/11 1420

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ✓
48 hours ____ normal ✓

Sample Integrity: (Check)
Intact ✓ on ice ✓ 0.8 ec

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.

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: 0096498.009

Sampled: 03/10/11
Received: 03/10/11
Issued: 03/21/11 20:55

NELAP #01109CA 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
PUC0731-01	OU3-7S-S-031011	Water
PUC0731-02	OU3-7M2-M-031011	Water
PUC0731-03	OU3-1D-D-031011	Water
PUC0731-04	GW-EB3-031011	Water
PUC0731-05	GW-L1-4-031011	Water

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.
N1-Concentration exceeds the calibration range and therefore result is semi-quantitative.
N1a-The RPD exceeded the acceptance limit due to sample matrix effects.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-01 (OU3-7S-S-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**1.1**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-01 (OU3-7S-S-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	**2.6**	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-02 (OU3-7M2-M-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**0.58**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-02 (OU3-7M2-M-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	**1.4**	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	**1.2**	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*85 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-03 (OU3-1D-D-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-03 (OU3-1D-D-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-04 (GW-EB3-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	**3.6**	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**5.4**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	**1.2**	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-04 (GW-EB3-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*82 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received:. 03/10/11

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: PUC0731-05 (GW-L1-4-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-05 (GW-L1-4-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: PUC0731-01 (OU3-7S-S-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0731-02RE1 (OU3-7M2-M-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0731-03 (OU3-1D-D-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC0731-04 (GW-EB3-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*51 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*67 %*				

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C0599-BLK1)										
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	0.50	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							

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C0599-BLK1)										
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	*21.1*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
LCS Analyzed: 03/16/2011 (11C0599-BS1)										
Acetone	36.8	10	ug/l	25.0		147	30-150			*V1*
Benzene	24.5	0.50	ug/l	25.0		98	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0		91	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	24.1	1.0	ug/l	25.0		96	64-132			
2-Butanone (MEK)	30.6	2.5	ug/l	25.0		122	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
tert-Butylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Carbon disulfide	23.6	0.50	ug/l	25.0		95	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	22.5	0.50	ug/l	25.0		90	70-130			
Chloromethane	24.6	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.1	0.50	ug/l	25.0		89	70-130			
4-Chlorotoluene	23.1	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	26.7	0.50	ug/l	25.0		107	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	26.0	0.50	ug/l	25.0		104	70-130			
Dibromomethane	27.7	0.50	ug/l	25.0		111	70-130			
1,2-Dichlorobenzene	23.0	0.50	ug/l	25.0		92	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	26.6	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0		90	70-130			
1,2-Dichloroethane	25.5	0.50	ug/l	25.0		102	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
trans-1,2-Dichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
1,2-Dichloropropane	24.5	0.50	ug/l	25.0		98	70-130			
1,3-Dichloropropane	25.4	0.50	ug/l	25.0		102	70-130			
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
LCS Analyzed: 03/16/2011 (11C0599-BS1)										
1,1-Dichloropropene	25.4	0.50	ug/l	25.0		102	70-130			
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	70-130			
Ethylbenzene	23.8	0.50	ug/l	25.0		95	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130			
2-Hexanone	32.9	2.5	ug/l	25.0		132	44-150			
Iodomethane	25.5	2.5	ug/l	25.0		102	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	22.7	0.50	ug/l	25.0		91	70-130			
Methylene Chloride	22.3	1.0	ug/l	25.0		89	70-130			
4-Methyl-2-pentanone (MIBK)	32.4	2.5	ug/l	25.0		129	61-142			
Methyl-tert-butyl Ether (MTBE)	24.6	0.50	ug/l	25.0		99	70-130			
Naphthalene	26.4	2.5	ug/l	25.0		105	65-129			
n-Propylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
Styrene	24.4	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	23.3	0.50	ug/l	25.0		93	70-130			
1,1,2,2-Tetrachloroethane	26.7	0.50	ug/l	25.0		107	70-130			
Tetrachloroethene	23.5	0.50	ug/l	25.0		94	70-130			
Toluene	23.5	0.50	ug/l	25.0		94	70-130			
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130			
1,2,4-Trichlorobenzene	25.1	1 0	ug/l	25.0		101	70-130			
1,1,1-Trichloroethane	23.1	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	27.0	0.50	ug/l	25.0		108	70-130			
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	26.6	1.0	ug/l	25.0		107	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0		94	70-130			
1,3,5-Trimethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Vinyl Acetate	36.5	1.0	ug/l	25.0		146	57-149			
Vinyl chloride	25.3	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	48.8	1.0	ug/l	50.0		98	70-130			
Freon 113	23.4	2.0	ug/l	25.0		94	63-136			
Surrogate: Dibromofluoromethane	*22.3*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25.0*		*108*	*70-130*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
LCS Dup Analyzed: 03/16/2011 (11C0599-BSD1)										
Acetone	25.5	10	ug/l	25.0		102	30-150	36	35	*V1, R6*
Benzene	24.6	0.50	ug/l	25.0		98	70-130	0.2	20	
Bromobenzene	22.7	0.50	ug/l	25.0		91	70-130	0	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.7	0.50	ug/l	25.0		99	70-130	4	20	
Bromoform	22.7	1.0	ug/l	25.0		91	67-122	12	20	
Bromomethane	23.2	1.0	ug/l	25.0		93	64-132	4	20	
2-Butanone (MEK)	24.2	2.5	ug/l	25.0		97	48-150	23	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	7	20	
sec-Butylbenzene	23.8	0.50	ug/l	25.0		95	70-130	4	20	
tert-Butylbenzene	23.5	0.50	ug/l	25.0		94	70-130	7	20	
Carbon disulfide	23.0	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130	0	20	
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130	0.1	20	
Chloroethane	23.2	1.0	ug/l	25.0		93	69-128	1	20	
Chloroform	21.7	0.50	ug/l	25.0		87	70-130	4	20	
Chloromethane	23.1	1.0	ug/l	25.0		92	56-131	7	20	
2-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130	5	20	
4-Chlorotoluene	24.1	0.50	ug/l	25.0		96	70-130	4	20	
Dibromochloromethane	23.8	0.50	ug/l	25.0		95	70-130	12	20	
1,2-Dibromo-3-chloropropane	22.6	2.5	ug/l	25.0		90	63-129	14	25	
1,2-Dibromoethane (EDB)	22.3	0.50	ug/l	25.0		89	70-130	15	20	
Dibromomethane	24.6	0.50	ug/l	25.0		98	70-130	12	20	
1,2-Dichlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	0.3	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	3	20	
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0		90	70-130	0.8	20	
Dichlorodifluoromethane	25.8	0.50	ug/l	25.0		103	42-150	3	20	
1,1-Dichloroethane	22.3	0.50	ug/l	25.0		89	70-130	0.5	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0		87	72-133	15	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	5	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0		81	70-130	3	20	
trans-1,2-Dichloroethene	21.3	0.50	ug/l	25.0		85	70-130	4	20	
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		98	70-130	0.3	20	
1,3-Dichloropropane	23.0	0.50	ug/l	25.0		92	70-130	10	20	
2,2-Dichloropropane	21.8	1.0	ug/l	25.0		87	70-130	3	20	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
LCS Dup Analyzed: 03/16/2011 (11C0599-BSD1)										
1,1-Dichloropropene	25.8	0.50	ug/l	25.0		103	70-130	1	20	
cis-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130	6	20	
trans-1,3-Dichloropropene	25.5	0.50	ug/l	25.0		102	70-130	8	20	
Ethylbenzene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
Hexachlorobutadiene	25.2	1.0	ug/l	25.0		101	70-130	6	20	
2-Hexanone	26.3	2.5	ug/l	25.0		105	44-150	22	31	
Iodomethane	27.4	2.5	ug/l	25.0		110	58-138	7	25	
Isopropylbenzene	26.2	0.50	ug/l	25.0		105	70-130	5	20	
p-Isopropyltoluene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	7	20	
4-Methyl-2-pentanone (MIBK)	26.2	2.5	ug/l	25.0		105	61-142	21	22	
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130	17	20	
Naphthalene	24.7	2.5	ug/l	25.0		99	65-129	7	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	5	20	
Styrene	24.0	0.50	ug/l	25.0		96	70-130	2	20	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.1	0.50	ug/l	25.0		93	70-130	14	20	
Tetrachloroethene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Toluene	24.3	0.50	ug/l	25.0		97	70-130	4	20	
1,2,3-Trichlorobenzene	24.3	1.0	ug/l	25.0		97	70-130	4	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0		99	70-130	1	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	2	20	
1,1,2-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	14	20	
Trichloroethene	24.6	0.50	ug/l	25.0		98	70-130	0.6	20	
Trichlorofluoromethane	27.7	0.50	ug/l	25.0		111	78-149	3	20	
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		90	70-130	17	20	
1,2,4-Trimethylbenzene	23.6	0.50	ug/l	25.0		94	70-130	0.2	20	
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130	4	20	
Vinyl Acetate	30.5	1.0	ug/l	25.0		122	57-149	18	21	
Vinyl chloride	24.6	0.50	ug/l	25.0		98	66-134	3	20	
Xylenes, Total	48.8	1.0	ug/l	50.0		98	70-130	0.02	20	
Freon 113	22.9	2.0	ug/l	25.0		92	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*70-130*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Matrix Spike Analyzed: 03/16/2011 (11C0599-MS1)					**Source: PUC0636-02**					
Acetone	33.9	10	ug/l	25.0	ND	135	10-150			*V1*
Benzene	237	0.50	ug/l	25.0	229	33	70-130			*N1, M3*
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Bromochloromethane	18.7	0.50	ug/l	25.0	ND	75	70-130			
Bromodichloromethane	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126			
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136			
2-Butanone (MEK)	22.0	2.5	ug/l	25.0	ND	88	22-150			
n-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130			
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
tert-Butylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Carbon disulfide	24.0	0.50	ug/l	25.0	0.200	95	56-132			
Carbon tetrachloride	27.4	0.50	ug/l	25.0	ND	110	76-131			
Chlorobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Chloroethane	22.2	1.0	ug/l	25.0	ND	89	67-134			
Chloroform	21.9	0.50	ug/l	25.0	0.140	87	70-130			
Chloromethane	24.7	1.0	ug/l	25.0	ND	99	50-135			
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130			
4-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Dibromochloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	92	60-135			
1,2-Dibromoethane (EDB)	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dibromomethane	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
Dichlorodifluoromethane	27.5	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	68-143			
1,1-Dichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
cis-1,2-Dichloroethene	20.8	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.5	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	23.7	0.50	ug/l	25.0	ND	95	70-130			
1,3-Dichloropropane	21.8	0.50	ug/l	25.0	ND	87	70-130			
2,2-Dichloropropane	21.7	1.0	ug/l	25.0	ND	87	66-130			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Matrix Spike Analyzed: 03/16/2011 (11C0599-MS1)					**Source: PUC0636-02**					
1,1-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0	ND	95	70-130			
trans-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	71-132			
Ethylbenzene	30.4	0.50	ug/l	25.0	5.73	99	70-130			
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	20.8	2.5	ug/l	25.0	ND	83	47-141			
Isopropylbenzene	28.1	0.50	ug/l	25.0	0.750	109	78-137			
p-Isopropyltoluene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	0.140	79	74-132			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0	0.740	102	56-145			
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25.0	1.50	84	67-138			
Naphthalene	25.8	2.5	ug/l	25.0	1.54	97	54-135			
n-Propylbenzene	26.1	0.50	ug/l	25.0	0.690	102	70-130			
Styrene	23.4	0.50	ug/l	25.0	ND	94	51-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	21.8	0.50	ug/l	25.0	ND	87	69-133			
Tetrachloroethene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Toluene	118	0.50	ug/l	25.0	100	69	70-130			*M3*
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130			
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	66-126			
1,1,1-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	76-132			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0	ND	94	70-130			
Trichloroethene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0	ND	114	74-150			
1,2,3-Trichloropropane	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trimethylbenzene	42.5	0.50	ug/l	25.0	16.5	104	70-130			
1,3,5-Trimethylbenzene	29.1	0.50	ug/l	25.0	4.44	99	61-138			
Vinyl Acetate	32.0	1.0	ug/l	25.0	ND	128	50-150			
Vinyl chloride	33.1	0.50	ug/l	25.0	ND	132	58-139			
Xylenes, Total	164	1.0	ug/l	50.0	123	82	70-130			
Freon 113	24.4	2.0	ug/l	25.0	ND	97	56-148			
Surrogate: Dibromofluoromethane	*20.6*		*ug/l*	*25.0*		*82*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/16/2011 (11C0599-MSD1)					**Source: PUC0636-02**					
Acetone	32.8	10	ug/l	25.0	ND	131	10-150	3	35	*V1*
Benzene	235	0.50	ug/l	25.0	229	27	70-130	0.7	20	*N1, M3*
Bromobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	4	20	
Bromochloromethane	19.4	0.50	ug/l	25.0	ND	77	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	5	20	
Bromoform	21.3	1.0	ug/l	25.0	ND	85	62-126	2	20	
Bromomethane	25.1	1.0	ug/l	25.0	ND	100	55-136	18	24	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0	ND	86	22-150	2	31	
n-Butylbenzene	24.9	0.50	ug/l	25.0	ND	99	70-130	3	20	
sec-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130	5	20	
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130	4	20	
Carbon disulfide	23.7	0.50	ug/l	25.0	0.200	94	56-132	1	20	
Carbon tetrachloride	25.8	0.50	ug/l	25.0	ND	103	76-131	6	20	
Chlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	6	20	
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	67-134	1	20	
Chloroform	20.8	0.50	ug/l	25.0	0.140	83	70-130	5	20	
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135	4	20	
2-Chlorotoluene	23.4	0.50	ug/l	25.0	ND	94	70-130	5	20	
4-Chlorotoluene	23.4	0.50	ug/l	25.0	ND	94	70-130	6	20	
Dibromochloromethane	21.8	0.50	ug/l	25.0	ND	87	70-130	8	20	
1,2-Dibromo-3-chloropropane	22.0	2.5	ug/l	25.0	ND	88	60-135	4	29	
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130	7	20	
Dibromomethane	22.4	0.50	ug/l	25.0	ND	90	70-130	7	20	
1,2-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	3	20	
1,3-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130	4	20	
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130	6	20	
Dichlorodifluoromethane	26.1	0.50	ug/l	25.0	ND	104	36-150	5	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	5	20	
1,2-Dichloroethane	20.7	0.50	ug/l	25.0	ND	83	68-143	5	20	
1,1-Dichloroethene	23.0	0.50	ug/l	25.0	ND	92	70-130	6	20	
cis-1,2-Dichloroethene	20.7	0.50	ug/l	25.0	ND	83	70-130	0.6	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	4	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	4	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0	ND	90	66-130	4	20	

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0599 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/16/2011 (11C0599-MSD1)					**Source: PUC0636-02**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	6	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
trans-1,3-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	71-132	4	20	
Ethylbenzene	28.3	0.50	ug/l	25.0	5.73	90	70-130	7	20	
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	66-129	0.2	21	
2-Hexanone	20.3	2.5	ug/l	25.0	ND	81	18-150	14	25	
Iodomethane	27.4	2.5	ug/l	25.0	ND	110	47-141	28	29	
Isopropylbenzene	27.0	0.50	ug/l	25.0	0.750	105	78-137	4	20	
p-Isopropyltoluene	23.2	0.50	ug/l	25.0	ND	93	70-130	6	20	
Methylene Chloride	20.1	1.0	ug/l	25.0	0.140	80	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	23.9	2.5	ug/l	25.0	0.740	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	21.2	0.50	ug/l	25.0	1.50	79	67-138	6	21	
Naphthalene	27.2	2.5	ug/l	25.0	1.54	103	54-135	5	33	
n-Propylbenzene	25.6	0.50	ug/l	25.0	0.690	99	70-130	2	20	
Styrene	22.6	0.50	ug/l	25.0	ND	90	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	6	20	
1,1,2,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	69-133	3	20	
Tetrachloroethene	23.0	0.50	ug/l	25.0	ND	92	70-130	8	20	
Toluene	113	0.50	ug/l	25.0	100	52	70-130	4	20	*M3*
1,2,3-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	70-130	2	20	
1,2,4-Trichlorobenzene	24.7	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132	4	20	
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130	8	20	
Trichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130	7	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	3	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	5	20	
1,2,4-Trimethylbenzene	40.4	0.50	ug/l	25.0	16.5	95	70-130	5	20	
1,3,5-Trimethylbenzene	28.3	0.50	ug/l	25.0	4.44	95	61-138	3	33	
Vinyl Acetate	33.8	1.0	ug/l	25.0	ND	135	50-150	6	23	
Vinyl chloride	25.5	0.50	ug/l	25.0	ND	102	58-139	26	21	*N1a*
Xylenes, Total	156	1.0	ug/l	50.0	123	66	70-130	5	20	*M2*
Freon 113	23.0	2.0	ug/l	25.0	ND	92	56-148	6	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*101*	*70-130*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

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: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
Batch: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. 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.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	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

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

TAL-0013-560 (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, Suite 100 Scottsdale, AZ. 85251	Project/PO Number: 0096498.009
Project Manager: Jason Hilker Send report to: Jason.Hilker@ERM.com Sampler: Adam Nagle	Phone Number: 480-998-2401 Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: VOC (8260B)	Analysis Required: Dioxins (8270C)	Special Instructions
OU3-TS-S-031011	W	40mL / 1L	3 / 2	3/10/11	0925	HCl / -	X	X	PUC0731-01
OU3-TM2-M-031011	↓	↓	↓	↓	1054	↓	↓	↓	-02
OU3-ID-D-031011	↓	↓	↓	↓	1535	↓	↓	↓	-03
GW-EB3-031011	↓	↓	↓	↓	1611	↓	↓	↓	-04
GW-L1-4-031011	↓	40mL	1	↓	-	HCl	↓		-05 Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/10 1724			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received In Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/10/11 1724	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.

1.2°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-05 (GW-Z1-1-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	**34**	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	**21**	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	**31**	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**14**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	**9.2**	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	**43**	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	**12**	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	**20**	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**8.3**	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**26**	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	**24**	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

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: PUC0637-05 (GW-Z1-1-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	**61**	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	**31**	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	**42**	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	**33**	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	**48**	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	**15**	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	**25**	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**46**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	**32**	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	**53**	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**20**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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

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.

Appendix C
City of Phoenix
Sanitary Sewer Discharge Permit

City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

February 15, 2011

Mr. Jason Hilker
Geologist
Environmental Resources Management
7272 East Indian School Road, Suite. 100
Scottsdale, Arizona 85251

RE: Temporary Discharge Permit Request for Discharge of Purge Water from Motorola 52nd Street Superfund Site, Operable Unit (OU-3) Study Area. Phoenix, Arizona-March 7, 2011 through March 25, 2011.

Dear Mr. Hilker:

The Environmental Services Division (ESD) received your e-mail Discharge Request Application Form dated January 26, 2011, requesting permission to discharge approximately 7,000 gallons of wastewater to the City Of Phoenix sanitary sewer. The purge water will be discharged into four city manholes located in Phoenix, Arizona. The 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 approximately 7,000 gallons of purged groundwater from Operable Unit (OU-3) 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; and MH #434 in QS 11-28 is expected to occur some time during the time period of March 7, 2011 through March 25, 2011. In order to avoid hydraulic overloading of the sewer mains in the area, this discharge shall not exceed a flow rate of 100 gallons per minute.

This approval is based on the laboratory analytical data from the September through December 2010 sampling events that represent the above requested discharges. The 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 7,000 gallons of wastewater meets the requirements under Chapter 28 of the Phoenix City Code. The wastewater is also determined not to be of 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 ESD 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.

Should 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
Senior Water Quality Inspector

Enclosure:

c: Marji Dukowitz

W:\Comm.\Corres.Log\ERM-11PC-4

City of Phoenix

TEMPORARY DISCHARGE & MANHOLE ENTRY PERMIT

The City of Phoenix, acting through the Water Services Department, hereby issues a temporary discharge manhole entry permit to:

Environmental Resources Management
7272 East Indian School Road, Suite 100
Scottsdale, Arizona 85251

hereinafter called Permittee, for the purpose of entering a City of Phoenix Manhole No. 412 in Quarter Section 11-29; Manhole No. 221 in Quarter Section 9-28; Manhole No.106 in Quarter Section11-27; and Manhole No. 434 in Quarter Section 11-28, in Phoenix, Arizona.

The 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, Operable 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 7, 2011 through March 25, 2011, 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 flow 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 occurs 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 22 day of February, 2011.

_____, Environmental Resources Management

Permittee

Dated this 15th day of February, 2011.

CITY OF PHOENIX,
a municipal corporation

By: _____
Marji Dukowitz
Chief Water Quality Inspector
Water Services Department

Appendix D
OU3 Historical Groundwater Elevations

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
BE-MW-8	3/6/2008	1,076.35	85 19	991 16	—
BE-MW-8	9/2/2008	1,076.35	88 18	988 17	-2 99
BE-MW-8	3/2/2009	1,076 35	82.36	993 99	5 82
BE-MW-8	9/8/2009	1,076 35	86 70	989 65	-4 34
BE-MW-8	3/15/2010	1,076 35	80.38	995 97	6.32
BE-MW-8	9/13/2010	1076 35	87 60	988 75	-7 22
BE-MW-8	**3/8/2011**	**1,076.35**	**78.66**	**997.69**	**8.94**
DT-DW-5	12/14/1992	1,077.90	58 30	1,019 60	—
DT-DW-5	2/7/1994	1,077 90	54.46	1,023 44	3 84
DT-DW-5	11/1/1994	1,077 90	64 68	1,013 22	-10 22
DT-DW-5	6/18/2002	1,077 90	87.59	990.31	-22.91
DT-DW-5	9/3/2002	1,077 90	90 52	987 38	-2.93
DT-DW-5	12/16/2002	1,077 90	89 18	988 72	1 34
DT-DW-5	2/27/2003	1,077 90	86 82	991 08	2.36
DT-DW-5	3/5/2004	1,077.90	88 92	988 98	-2 10
DT-DW-5	9/9/2004	1,077 90	Dry	—	—
DT-DW-5	3/1/2005	1,077 90	89 09	988 81	—
DT-DW-5	9/1/2005	1,077 90	91 12	986 78	-2 03
DT-DW-5	3/13/2006	1,077 90	86.22	991 68	4.90
DT-DW-5	9/5/2006	1,077 90	94 41	983 49	-8 19
DT-DW-5	3/15/2007	1,077.90	88 42	989 48	5.99
DT-DW-5	9/4/2007	1,077.90	95 73	982.17	-7 31
DT-DW-5	3/6/2008	1,077 90	89 44	988 46	6 29
DT-DW-5	9/2/2008	1,077 90	92.76	985.14	-3 32
DT-DW-5	3/2/2009	1,077 90	86 32	991 58	6 44
DT-DW-5	9/8/2009	1,077 90	90 78	987 12	-4 46
DT-DW-5	3/15/2010	1,077 90	90.78	987.12	0 00
DT-DW-5	9/13/2010	1077.90	86.12	991.78	4 66
DT-DW-5	**3/8/2011**	**1,077.90**	**80.97**	**996.93**	**5.15**
EW-13-118	9/21/2004	1,092.71	94.06	998.65	—
EW-13-118	3/3/2005	1,092.71	91 49	1,001 22	2.57
EW-13-118	9/2/2005	1,092 71	88 10	1,004 61	3 39
EW-13-118	3/16/2006	1,092 71	87 43	1,005 28	0 67
EW-13-118	9/25/2006	1,092.71	89 90	1,002 81	-2.47
EW-13-118	3/2/2007	1,092.71	87 83	1,004.88	2.07
EW-13-118	9/5/2007	1,092 71	90 04	1,002.67	-2 21
EW-13-118	3/24/2008	1,092 71	88 75	1,003 96	1.29
EW-13-118	9/4/2008	1,092 71	87 85	1,004 86	0.90
EW-13-118	3/16/2009	1,092 71	85 24	1,007 47	2 61
EW-13-118	10/1/2009	1,092 71	86 79	1,005 92	-1 55
EW-13-118	3/26/2010	1,092.71	84.64	1,008 07	2.15
EW-13-118	9/24/2010	1092.71	81 14	1011 57	3 50
EW-13-118	**3/18/2011**	**1,092.71**	**83.35**	**1,009.36**	**-2.21**
EW-13-168	9/21/2004	1,092 71	94.07	998 64	—
EW-13-168	3/3/2005	1,092 71	91.44	1,001.27	2 63
EW-13-168	9/2/2005	1,092 71	88 09	1,004 62	3 35
EW-13-168	3/16/2006	1,092 71	87 47	1,005.24	0 62
EW-13-168	9/25/2006	1,092 71	89 89	1,002 82	-2.42
EW-13-168	3/2/2007	1,092 71	87.95	1,004 76	1 94
EW-13-168	9/5/2007	1,092 71	90 03	1,002 68	-2 08
EW-13-168	3/24/2008	1,092 71	88 76	1,003.95	1 27
EW-13-168	9/4/2008	1,092 71	87 79	1,004.92	0 97
EW-13-168	3/16/2009	1,092.71	85 23	1,007 48	2.56
EW-13-168	10/1/2009	1,092 71	86 99	1,005 72	-1 76
EW-13-168	3/26/2010	1,092 71	84 98	1,007 73	2.01
EW-13-168	9/24/2010	1092 71	80 99	1011 72	3 99
EW-13-168	**3/18/2011**	**1,092.71**	**83.43**	**1,009.28**	**-2.44**
EW-13-228	9/21/2004	1,092 71	92.87	999 84	—
EW-13-228	3/4/2005	1,092 71	88 92	1,003 79	3 95
EW-13-228	9/2/2005	1,092 71	86.15	1,006 56	2.77
EW-13-228	3/16/2006	1,092 71	84.98	1,007 73	1 17
EW-13-228	9/25/2006	1,092 71	87 56	1,005 15	-2 58
EW-13-228	3/2/2007	1,092 71	85 67	1,007 04	1 89
EW-13-228	9/5/2007	1,092 71	88 35	1,004 36	-2 68
EW-13-228	3/24/2008	1,092 71	86 13	1,006 58	2.22
EW-13-228	9/4/2008	1,092 71	85.58	1,007.13	0 55
EW-13-228	3/16/2009	1,092 71	82.79	1,009.92	2 79
EW-13-228	10/1/2009	1,092 71	84 89	1,007 82	-2.10
EW-13-228	3/26/2010	1,092.71	82 00	1,010.71	2 89
EW-13-228	9/24/2010	1092 71	79.14	1013 57	2 86
EW-13-228	**3/18/2011**	**1,092.71**	**81.45**	**1,011.26**	**-2.31**
EW-13-268	9/21/2004	1,092.71	92.57	1,000.14	—
EW-13-268	3/3/2005	1,092 71	87 35	1,005 36	5 22
EW-13-268	9/2/2005	1,092 71	85 67	1,007 04	1 68

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
EW-13-268	3/16/2006	1,092 71	84 22	1,008 49	1 45
EW-13-268	9/25/2006	1,092.71	86 92	1,005.79	-2.70
EW-13-268	3/2/2007	1,092.71	85.25	1,007 46	1.67
EW-13-268	9/5/2007	1,092 71	88 02	1,004.69	-2.77
EW-13-268	3/24/2008	1,092.71	85 30	1,007.41	2.72
EW-13-268	9/4/2008	1,092 71	84.98	1,007 73	0 32
EW-13-268	3/16/2009	1,092.71	82.19	1,010 52	2 79
EW-13-268	10/1/2009	1,092 71	84.33	1,008.38	-2.14
EW-13-268	3/26/2010	1,092.71	81 10	1,011.61	3 23
EW-13-268	9/24/2010	1092.71	78 57	1014 14	2 53
EW-13-268	**3/18/2011**	**1,092.71**	**80.69**	**1,012.02**	**-2.12**
EW-19D	12/15/1992	1,087 19	55 90	1,031 44	—
EW-19D	2/2/1994	1,087 19	51 12	1,036.22	4.78
EW-19D	11/2/1994	1,087 19	57 82	1,029 52	-6 70
EW-19D	4/28/1995	1,087 19	53 00	1,034 34	4 82
EW-19D	12/4/1995	1,087 19	54 58	1,032 76	-1 58
EW-19D	4/12/1996	1,087 19	55 49	1,031 85	-0 91
EW-19D	10/14/1996	1,087 19	59 16	1,028 18	-3 67
EW-19D	4/8/1997	1,087 19	60 11	1,027 23	-0 95
EW-19D	8/16/1997	1,087 19	70 71	1,016 63	-10 60
EW-19D	9/18/1997	1,087 19	64 29	1,023 05	6 42
EW-19D	10/16/1997	1,087.19	63 87	1,023 47	0 42
EW-19D	11/19/1997	1,087 19	63 35	1,023 99	0 52
EW-19D	12/31/1997	1,087 19	62 59	1,024 75	0 76
EW-19D	5/13/1998	1,087 19	62.47	1,024 87	0 12
EW-19D	12/8/1998	1,087.19	63 13	1,024 21	-0 66
EW-19D	6/30/1999	1,087 19	68 14	1,019 20	-5 01
EW-19D	12/15/1999	1,087 19	67 20	1,020.14	0 94
EW-19D	9/3/2002	1,087 19	81 58	1,005 76	-14 38
EW-19D	12/16/2002	1,087 19	80 10	1,007 24	1 48
EW-19D	2/27/2003	1,087 19	78.89	1,008 45	1.21
EW-19D	9/2/2003	1,087 19	85.15	1,002.19	-6.26
EW-19D	3/1/2004	1,087 19	82 48	1,004.86	2.67
EW-19D	9/1/2004	1,087.19	88 73	998 61	-6.25
EW-19D	3/1/2005	1,087 19	82 38	1,004.96	6 35
EW-19D	9/1/2005	1,087 19	82 64	1,004 70	-0.26
EW-19D	3/1/2006	1,087 19	79 10	1,008.24	3 54
EW-19D	9/5/2006	1,087.19	83.91	1,003 43	-4.81
EW-19D	3/1/2007	1,087 19	80 47	1,006 87	3 44
EW-19D	9/4/2007	1,087 19	85 23	1,002.11	-4 76
EW-19D	3/6/2008	1,087 19	81.22	1,006.12	4 01
EW-19D	9/2/2008	1,087 19	82.41	1,004 93	-1.19
EW-19D	3/2/2009	1,087 19	77 99	1,009 35	4 42
EW-19D	9/8/2009	1,087 19	80.77	1,006 57	-2.78
EW-19D	3/15/2010	1,087.19	76 75	1,010 59	4 02
EW-19D	9/13/2010	1087 34	76 67	1010 67	0.08
EW-19D	**3/14/2011**	**1,087.34**	**73.56**	**1,013.78**	**3.11**
EW-19S	2/1/1994	1,087 18	55 16	1,032 16	—
EW-19S	10/31/1994	1,087 18	59 86	1,027 46	-4 70
EW-19S	4/26/1995	1,087 18	57 00	1,030 32	2 86
EW-19S	12/5/1995	1,087.18	58 55	1,028 77	-1 55
EW-19S	4/2/1996	1,087.18	56 99	1,030 33	1.56
EW-19S	10/10/1996	1,087.18	64 44	1,022.88	-7 45
EW-19S	4/10/1997	1,087 18	62.53	1,024 79	1 91
EW-19S	8/16/1997	1,087.18	69 40	1,017 92	-6 87
EW-19S	9/18/1997	1,087 18	70 21	1,017 11	-0 81
EW-19S	10/16/1997	1,087.18	70 54	1,016 78	-0 33
EW-19S	11/19/1997	1,087.18	70 51	1,016 81	0.03
EW-19S	12/15/1997	1,087 18	70 10	1,017 22	0 41
EW-19S	4/27/1998	1,087 18	68.24	1,019 08	1.86
EW-19S	11/19/1998	1,087 18	70 67	1,016 65	-2.43
EW-19S	6/15/1999	1,087 18	71 00	1,016 32	-0 33
EW-19S	12/8/1999	1,087.18	74 03	1,013 29	-3 03
EW-19S	9/3/2002	1,087.18	86 68	1,000 64	-12.65
EW-19S	12/16/2002	1,087 18	88 45	998 87	-1 77
EW-19S	2/27/2003	1,087 18	87 27	1,000 05	1 18
EW-19S	9/2/2003	1,087 18	90.20	997.12	-2 93
EW-19S	3/1/2004	1,087 18	90 50	996 82	-0 30
EW-19S	9/1/2004	1,087 18	93.67	993 65	-3 17
EW-19S	3/1/2005	1,087 18	92.26	995 06	1 41
EW-19S	9/1/2005	1,087 18	89 16	998 16	3 10
EW-19S	3/1/2006	1,087 18	87 50	999 82	1 66
EW-19S	9/5/2006	1,087 18	90.64	996.68	-3 14
EW-19S	3/1/2007	1,087 18	88 61	998 71	2 03

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
EW-19S	9/4/2007	1,087.18	91 13	996 19	-2.52
EW-19S	3/6/2008	1,087 18	90.34	996 98	0.79
EW-19S	9/2/2008	1,087.18	89 48	998 84	1 86
EW-19S	3/2/2009	1,087 18	86 50	1,000 82	1 98
EW-19S	9/8/2009	1,087 18	87.37	999 95	-0 87
EW-19S	3/15/2010	1,087 18	86 32	1,001 00	1.05
EW-19S	9/13/2010	1087 32	83 17	1004 15	3.15
EW-19S	**3/15/2011**	**1,087.32**	**82.09**	**1,005.23**	**1.08**
EW-20	1/31/1994	1,091 38	61.44	1,029 94	—
EW-20	10/31/1994	1,091.38	69.02	1,022.36	-7 58
EW-20	4/26/1995	1,091.38	62.97	1,028 41	6.05
EW-20	12/5/1995	1,091.38	66 95	1,024.43	-3 98
EW-20	4/2/1996	1,091 38	64 73	1,026.65	2.22
EW-20	10/9/1996	1,091.38	70 75	1,020 63	-6 02
EW-20	4/8/1997	1,091.38	70 90	1,020 48	-0 15
EW-20	10/16/1997	1,091 38	77 12	1,014.26	-6 22
EW-20	11/19/1997	1,091 38	77.00	1,014.38	0 12
EW-20	12/15/1997	1,091 38	70 78	1,020 60	6 22
EW-20	4/29/1998	1,091.38	74 60	1,016.78	-3.82
EW-20	11/19/1998	1,091 38	77 37	1,014.01	-2 77
EW-20	6/16/1999	1,091.38	77 52	1,013 86	-0 15
EW-20	12/8/1999	1,091 38	80 67	1,010.71	-3 15
EW-20	6/18/2002	1,091 38	90.16	1,001 22	-9 49
EW-20	9/3/2002	1,091.38	92.89	998 49	-2 73
EW-20	12/16/2002	1,091 38	94 56	996 82	-1 67
EW-20	2/27/2003	1,091 38	93 33	998 05	1.23
EW-20	9/2/2003	1,091.38	96 40	994 98	-3 07
EW-20	3/1/2004	1,091.38	96 53	994 85	-0 13
EW-20	9/1/2004	1,091 38	99 99	991 39	-3 46
EW-20	3/1/2005	1,091 38	98 64	992.74	1 35
EW-20	9/1/2005	1,091 38	95 84	995 54	2 80
EW-20	3/1/2006	1,091 38	93 83	997 55	2.01
EW-20	9/5/2006	1,091 38	97.28	994 10	-3 45
EW-20	3/1/2007	1,091 38	95 14	996 24	2.14
EW-20	9/4/2007	1,091 38	97 91	993 47	-2.77
EW-20	3/6/2008	1,091 38	96 88	994 50	1 03
EW-20	9/2/2008	1,091 38	96 43	994 95	0 45
EW-20	3/2/2009	1,091 38	93 13	998 25	3 30
EW-20	9/8/2009	1,091 38	94.24	997 14	-1.11
EW-20	3/15/2010	1,091 38	92.83	998 55	1 41
EW-20	9/13/2010	1091 38	90 37	1001 01	2.46
EW-20	**3/17/2011**	**1,091.38**	**88.53**	**1,002.85**	**1.84**
EW-21	1/31/1994	1,094.24	61.02	1,033 22	—
EW-21	10/31/1994	1,094.24	68 18	1,026 06	-7 16
EW-21	4/26/1995	1,094.24	63 19	1,031 05	4 99
EW-21	12/5/1995	1,094.24	66 10	1,028 14	-2 91
EW-21	4/2/1996	1,094.24	64 22	1,030 02	1 88
EW-21	10/9/1996	1,094.24	69 58	1,024 66	-5 36
EW-21	4/8/1997	1,094.24	69 87	1,024 37	-0 29
EW-21	9/18/1997	1,094.24	74 99	1,019 25	-5 12
EW-21	10/16/1997	1,094.24	75 43	1,018 81	-0 44
EW-21	11/19/1997	1,094.24	75 56	1,018 68	-0 13
EW-21	12/14/1997	1,094.24	75 39	1,018 85	0 17
EW-21	4/28/1998	1,094.24	73 83	1,020 41	1 56
EW-21	11/19/1998	1,094 24	75 82	1,018 42	-1 99
EW-21	6/16/1999	1,094.24	76 13	1,018 11	-0 31
EW-21	12/8/1999	1,094 24	79 15	1,015 09	-3 02
EW-21	9/3/2002	1,094.24	91 40	1,002.84	-12.25
EW-21	12/16/2002	1,094.24	93.39	1,000 85	-1 99
EW-21	2/27/2003	1,094.24	92.35	1,001 89	1 04
EW-21	9/2/2003	1,094.24	95 01	999.23	-2.66
EW-21	3/1/2004	1,094.24	95 69	998.55	-0 68
EW-21	9/1/2004	1,094.24	98.27	995.97	-2.58
EW-21	3/1/2005	1,094 24	97.75	996 49	0 52
EW-21	9/1/2005	1,094.24	94 60	999 64	3 15
EW-21	3/1/2006	1,094.24	93.01	1,001.23	1 59
EW-21	9/5/2006	1,094 24	95.61	998 63	-2.60
EW-21	3/1/2007	1,094.24	94.09	1,000 15	1 52
EW-21	9/4/2007	1,094.24	96 17	998 07	-2.08
EW-21	3/6/2008	1,094 24	95 88	998 36	0 29
EW-21	9/2/2008	1,094.24	94.94	999 30	0 94
EW-21	3/2/2009	1,094.24	92.22	1,002.02	2.72
EW-21	9/8/2009	1,094 24	92.73	1,001.51	-0 51
EW-21	3/15/2010	1,094 24	92.05	1,002.19	0 68

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
EW-21	9/13/2010	1094.24	89 05	1005 19	3.00
EW-21	**3/8/2011**	**1,094.24**	**88.05**	**1,006.19**	**1.00**
EWOU3-10S-R	6/27/2002	1,081 62	96 17	985 45	—
EWOU3-10S-R	9/3/2002	1,081 62	99 30	982 32	-3 13
EWOU3-10S-R	12/16/2002	1,081.62	97.72	983 90	1.58
EWOU3-10S-R	2/27/2003	1,081 62	94.78	986.84	2.94
EWOU3-10S-R	9/2/2003	1,081 62	Dry	—	—
EWOU3-10S-R	3/1/2004	1,081 62	97 30	984 32	—
EWOU3-10S-R	9/1/2004	1,081 62	Dry	—	—
EWOU3-10S-R	3/1/2005	1,081 62	99 74	981 88	—
EWOU3-10S-R	9/1/2005	1,081 62	100.75	980 87	-1 01
EWOU3-10S-R	3/1/2006	1,081 62	94 98	986 64	5 77
EWOU3-10S-R	9/5/2006	1,081.62	100 75	980 87	-5 77
EWOU3-10S-R	3/1/2007	1,081 62	97 60	984 02	3 15
EWOU3-10S-R	9/4/2007	1,081 62	100 67	980 95	-3 07
EWOU3-10S-R	3/6/2008	1,081 62	99 02	982 60	1 65
EWOU3-10S-R	9/2/2008	1,081 62	100 73	980 89	-1 71
EWOU3-10S-R	3/2/2009	1,081 62	95 76	985 86	4 97
EWOU3-10S-R	9/8/2009	1,081 62	100 72	980 90	-4 96
EWOU3-10S-R	3/15/2010	1,081 62	94 90	986 72	5 82
EWOU3-10S-R	9/13/2010	1081 62	97 01	984 61	-2.11
EWOU3-10S-R	**3/15/2011**	**1,081.62**	**90.26**	**991.36**	**6.75**
GH-MW-11	8/21/1997	1,083 30	72 80	1,010 50	—
GH-MW-11	10/29/1997	1,083 30	73.06	1,010.24	-0 26
GH-MW-11	11/19/1997	1,083.30	72.51	1,010 79	0 55
GH-MW-11	12/15/1997	1,083 30	72.22	1,011 08	0 29
GH-MW-11	1/19/1998	1,083.30	71 16	1,012 14	1 06
GH-MW-11	2/13/1998	1,083.30	70 71	1,012.59	0 45
GH-MW-11	3/23/1998	1,083.30	69 92	1,013 38	0 79
GH-MW-11	12/18/1998	1,083.30	72.86	1,010 44	-2.94
GH-MW-11	6/18/2002	1,083.30	86 65	996 65	-13.79
GH-MW-11	9/3/2002	1,083 30	89 62	993.68	-2 97
GH-MW-11	12/16/2002	1,083 30	90.17	993 13	-0 55
GH-MW-11	2/27/2003	1,083 30	88 46	994 84	1 71
GH-MW-11	9/2/2003	1,083.30	92.56	990 74	-4.10
GH-MW-11	3/1/2004	1,083 30	91.31	991 99	1.25
GH-MW-11	9/1/2004	1,083.30	96 43	986 87	-5.12
GH-MW-11	3/1/2005	1,083 30	93.51	989 79	2.92
GH-MW-11	9/1/2005	1,083 30	92.12	991.18	1 39
GH-MW-11	3/1/2006	1,083 30	88.28	995.02	3 84
GH-MW-11	9/5/2006	1,083 30	94 49	988 81	-6 21
GH-MW-11	3/1/2007	1,083 30	90 15	993.15	4 34
GH-MW-11	9/4/2007	1,083 30	95 03	988 27	-4.88
GH-MW-11	3/6/2008	1,083 30	91.77	991.53	3 26
GH-MW-11	9/2/2008	1,083.30	93 60	989 70	-1 83
GH-MW-11	3/2/2009	1,083 30	88 37	994 93	5 23
GH-MW-11	9/8/2009	1,083 30	90 75	992.55	-2.38
GH-MW-11	3/15/2010	1,083 30	87 85	995.45	2.90
GH-MW-11	**9/13/2010**	**1083.30**	**91.65**	**991.65**	**-3.80**
Inter-tel MW-1	4/9/1997	1,088 38	67 48	1,020 90	—
Inter-tel MW-1	8/16/1997	1,088 38	71 29	1,017 09	-3 81
Inter-tel MW-1	9/18/1997	1,088.38	72.76	1,015 62	-1 47
Inter-tel MW-1	10/16/1997	1,088.38	73 10	1,015.28	-0 34
Inter-tel MW-1	11/19/1997	1,088 38	73 30	1,015 08	-0 20
Inter-tel MW-1	12/21/1997	1,088.38	71 95	1,016 43	1 35
Inter-tel MW-1	4/30/1998	1,088.38	71.75	1,016.63	0 20
Inter-tel MW-1	11/23/1998	1,088 38	74 00	1,014.38	-2.25
Inter-tel MW-1	12/15/1999	1,088 38	77.40	1,010.98	-3 40
Inter-tel MW-1	6/18/2002	1,088 38	85 00	1,003 38	-7.60
Inter-tel MW-1	9/3/2002	1,088 38	87.06	1,001.32	-2.06
Inter-tel MW-1	12/16/2002	1,088 38	Dry	—	—
Inter-tel MW-1	2/27/2003	1,088 38	Dry	—	—
Inter-tel MW-1	9/9/2004	1,088 38	Dry	—	—
Inter-tel MW-1	3/1/2005	1,088.38	Dry	—	—
Inter-tel MW-1	9/1/2005	1,088.38	Dry	—	—
Inter-tel MW-1	3/1/2006	1,088.38	Dry	—	—
Inter-tel MW-1	9/5/2006	1,088.38	Dry	—	—
Inter-tel MW-1	3/1/2007	1,088.38	Dry	—	—
Inter-tel MW-1	9/4/2007	1,088.38	Dry	—	—
Inter-tel MW-1	3/6/2008	1,088.38	Dry	—	—
Inter-tel MW-1	9/2/2008	1,088.38	Dry	—	—
Inter-tel MW-1	3/2/2009	1,088.38	Dry	—	—
Inter-tel MW-1	9/8/2009	1,088.38	Dry	—	—

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
Inter-tel MW-1	3/15/2010	1,088.38	Dry	—	—
INTER-TEL MW-	9/13/2010	1088 38	Dry	—	—
Inter-tel MW-1	—	**1,088.38**	**87.86**	**1,000.52**	—
OU3-10M	5/29/2003	1,082 25	96 62	985 63	—
OU3-10M	9/2/2003	1,082.25	101 80	980 45	-5 18
OU3-10M	12/1/2003	1,082 25	100 87	981 38	0 93
OU3-10M	3/1/2004	1,082 25	97 07	985 18	3 80
OU3-10M	9/1/2004	1,082.25	106 11	976 14	-9 04
OU3-10M	3/1/2005	1,082 25	99 55	982 70	6 56
OU3-10M	9/1/2005	1,082.25	101.09	981 16	-1 54
OU3-10M	3/1/2006	1,082.25	94 75	987 50	6 34
OU3-10M	9/5/2006	1,082 25	103.72	978 53	-8 97
OU3-10M	3/1/2007	1,082 25	97.22	985.03	6.50
OU3-10M	9/4/2007	1,082.25	104 97	977.28	-7 75
OU3-10M	3/6/2008	1,082 25	98 87	983.38	6.10
OU3-10M	9/2/2008	1,082.25	103 13	979 12	-4 26
OU3-10M	3/2/2009	1,082.25	95 65	986.60	7 48
OU3-10M	9/8/2009	1,082.25	101 00	981 25	-5.35
OU3-10M	3/15/2010	1,082.25	94.70	987.55	6.30
OU3-10M	9/13/2010	1082.25	97.13	985 12	-2.43
OU3-10M	**3/16/2011**	**1,082.25**	**90.07**	**992.18**	**7.06**
OU3-10M2	5/29/2003	1,082 29	96 43	985 86	—
OU3-10M2	9/2/2003	1,082.29	101 55	980 74	-5 12
OU3-10M2	12/1/2003	1,082 29	100 70	981 59	0 85
OU3-10M2	3/1/2004	1,082.29	96 96	985.33	3 74
OU3-10M2	9/1/2004	1,082.29	105 86	976 43	-8 90
OU3-10M2	3/1/2005	1,082 29	99 44	982.85	6 42
OU3-10M2	9/1/2005	1,082.29	100.85	981 44	-1 41
OU3-10M2	3/1/2006	1,082.29	94 65	987.64	6.20
OU3-10M2	9/5/2006	1,082.29	103 50	978.79	-8 85
OU3-10M2	3/1/2007	1,082.29	97.00	985.29	6 50
OU3-10M2	9/14/2007	1,082.29	105 05	977.24	-8.05
OU3-10M2	3/6/2008	1,082 29	98 75	983 54	6 30
OU3-10M2	9/2/2008	1,082.29	102.91	979 38	-4 16
OU3-10M2	3/2/2009	1,082 29	95 52	986 77	7 39
OU3-10M2	9/8/2009	1,082.29	100 79	981 50	-5.27
OU3-10M2	3/15/2010	1,082 29	94 60	987 69	6 19
OU3-10M2	9/13/2010	1082.29	96 87	985 42	-2.27
OU3-10M2	**3/15/2011**	**1,082.29**	**89.97**	**992.32**	**6.90**
OU3-11M	5/29/2003	1,078.25	87 77	990 48	—
OU3-11M	9/2/2003	1,078.25	92.12	986.13	-4 35
OU3-11M	12/1/2003	1,078.25	91 69	986 56	0 43
OU3-11M	3/1/2004	1,078.25	88 78	989 47	2.91
OU3-11M	9/1/2004	1,078.25	96 31	981.94	-7 53
OU3-11M	3/1/2005	1,078 25	90.28	987 97	6 03
OU3-11M	9/1/2005	1,078 25	90 92	987 33	-0 64
OU3-11M	3/1/2006	1,078 25	86 13	992 12	4.79
OU3-11M	9/5/2006	1,078.25	93 64	984 61	-7 51
OU3-11M	3/1/2007	1,078.25	88.40	989.85	5 24
OU3-11M	9/4/2007	1,078 25	94 56	983 69	-6.16
OU3-11M	3/6/2008	1,078.25	89 60	986 65	4 96
OU3-11M	9/2/2008	1,078.25	92.44	985.81	-2.84
OU3-11M	3/3/2009	1,078 25	86 17	992 08	6.27
OU3-11M	9/8/2009	1,078 25	90.28	987 97	-4 11
OU3-11M	3/15/2010	1,078.25	85.43	992.82	4 85
OU3-11M	9/13/2010	1078 25	86.05	992.20	-0 62
OU3-11M	**3/8/2011**	**1,078.25**	**80.93**	**997.32**	**5.12**
OU3-11M2	5/29/2003	1,078 05	87 59	990 46	—
OU3-11M2	9/2/2003	1,078.05	91 97	986 08	-4.38
OU3-11M2	12/1/2003	1,078.05	91.49	988 56	0 48
OU3-11M2	3/1/2004	1,078 05	88 58	989 47	2.91
OU3-11M2	9/9/2004	1,078.05	96 43	981 62	-7 85
OU3-11M2	3/1/2005	1,078 05	90 07	987 98	6 36
OU3-11M2	9/1/2005	1,078.05	90 76	987.29	-0 69
OU3-11M2	3/1/2006	1,078 05	85 93	992 12	4 83
OU3-11M2	9/5/2006	1,078.05	93 47	984 58	-7 54
OU3-11M2	3/5/2007	1,078.05	87.76	990.29	5 71
OU3-11M2	9/4/2007	1,078 05	94 72	983.33	-6 96
OU3-11M2	3/6/2008	1,078 05	89 41	988.64	5.31
OU3-11M2	9/2/2008	1,078 05	92.27	985 78	-2.86
OU3-11M2	3/3/2009	1,078 05	86 00	992.05	6.27
OU3-11M2	9/8/2009	1,078 05	90 12	987.93	-4.12
OU3-11M2	3/15/2010	1,078 05	85 26	992.79	4 86
OU3-11M2	9/13/2010	1078 05	86 12	991 93	-0.86

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-11M2	**3/8/2011**	**1,078.05**	**80.75**	**997.30**	**5.37**
OU3-11S	5/29/2003	1,078.26	87 68	990 58	—
OU3-11S	9/2/2003	1,078 26	92 02	986 24	-4 34
OU3-11S	12/1/2003	1,078.26	91 64	986 62	0 38
OU3-11S	3/1/2004	1,078.26	88 73	989 53	2 91
OU3-11S	9/1/2004	1,078 26	96 22	982 04	-7.49
OU3-11S	3/1/2005	1,078 26	90.25	988.01	5 97
OU3-11S	9/1/2005	1,078.26	90 84	987 42	-0 59
OU3-11S	3/1/2006	1,078.26	86 06	992.20	4.78
OU3-11S	9/5/2006	1,078 26	93 54	984.72	-7 48
OU3-11S	3/1/2007	1,078 26	88.24	990.02	5 30
OU3-11S	9/4/2007	1,078.26	94.62	983 64	-6 38
OU3-11S	3/6/2008	1,078.26	89 55	988 71	5 07
OU3-11S	9/2/2008	1,078 26	92.34	985.92	-2.79
OU3-11S	3/3/2009	1,078 26	86 12	992.14	6.22
OU3-11S	9/8/2009	1,078 26	90 18	988 08	-4 06
OU3-11S	3/15/2010	1,078 26	85 40	992.86	4 78
OU3-11S	9/13/2010	1078.26	85 95	992 31	-0.55
OU3-11S	**3/8/2011**	**1,078.26**	**80.80**	**997.46**	**5.15**
OU3-12D	5/29/2003	1,090.77	84 20	1,006 57	—
OU3-12D	9/2/2003	1,090 77	87 18	1,003 59	-2 98
OU3-12D	12/1/2003	1,090.77	86 88	1,003 89	0 30
OU3-12D	3/1/2004	1,090 77	85 63	1,005 14	1 25
OU3-12D	9/1/2004	1,090 77	90 53	1,000 24	-4 90
OU3-12D	3/1/2005	1,090 77	85 50	1,005.27	5 03
OU3-12D	9/1/2005	1,090 77	84 53	1,006 24	0 97
OU3-12D	3/1/2006	1,090 77	92.18	998 59	-7 65
OU3-12D	9/5/2006	1,090 77	85.88	1,004 89	6.30
OU3-12D	3/1/2007	1,090 77	83 16	1,007.61	2 72
OU3-12D	9/4/2007	1,090 77	86 86	1,000 91	-6 70
OU3-12D	3/6/2008	1,090.77	84 09	1,006 68	5 77
OU3-12D	9/2/2008	1,090.77	84 06	1,006 71	0 03
OU3-12D	3/2/2009	1,090 77	80 58	1,010 19	3 48
OU3-12D	9/8/2009	1,090.77	82 49	1,008 28	-1 91
OU3-12D	3/15/2010	1,090.77	79 73	1,011 04	2.76
OU3-12D	9/13/2010	1090 77	77.98	1012 79	1.75
OU3-12D	**3/9/2011**	**1,090.77**	**76.70**	**1,014.07**	**1.28**
OU3-12M	5/29/2003	1,090 79	88 12	1,002.67	—
OU3-12M	9/2/2003	1,090 79	90 29	1,000 50	-2 17
OU3-12M	12/1/2003	1,090 79	91.84	998 95	-1 55
OU3-12M	3/1/2004	1,090 79	90.78	1,000 01	1 06
OU3-12M	9/1/2004	1,090 79	93 41	997 38	-2.63
OU3-12M	3/1/2005	1,090 79	95 97	994 82	-2.56
OU3-12M	9/1/2005	1,090 79	88 61	1,002.18	7 36
OU3-12M	3/1/2006	1,090.79	87 52	1,003 27	1 09
OU3-12M	9/5/2006	1,090.79	90 12	1,000 67	-2.60
OU3-12M	3/1/2007	1,090.79	88 28	1,002.51	1 84
OU3-12M	9/5/2007	1,090 79	90 42	1,000 37	-2.14
OU3-12M	3/6/2008	1,090.79	89 94	1,000 85	0 48
OU3-12M	9/2/2008	1,090 79	88 49	1,002.30	1.45
OU3-12M	3/2/2009	1,090 79	85.94	1,004.85	2.55
OU3-12M	9/8/2009	1,090 79	86 57	1,004.22	-0 63
OU3-12M	3/15/2010	1,090 79	85 96	1,004.83	0 61
OU3-12M	9/13/2010	1090.79	82 01	1008 78	3 95
OU3-12M	**3/9/2011**	**1,090.79**	**81.99**	**1,008.80**	**0.02**
OU3-13D	5/29/2003	1,095 71	90 55	1,005 16	—
OU3-13D	9/2/2003	1,095 71	93 09	1,002 62	-2.54
OU3-13D	12/1/2003	1,095 71	93 74	1,001 97	-0 65
OU3-13D	3/1/2004	1,095.71	92 64	1,003 07	1 10
OU3-13D	9/1/2004	1,095.71	96 11	999.60	-3.47
OU3-13D	3/1/2005	1,095.71	93 51	1,002.20	2.60
OU3-13D	9/1/2005	1,095 71	91 33	1,004 38	2.18
OU3-13D	3/1/2006	1,095 71	85 47	1,010 24	5 86
OU3-13D	9/5/2006	1,095.71	92.29	1,003 42	-6.82
OU3-13D	3/1/2007	1,095 71	90 32	1,005.39	1.97
OU3-13D	9/4/2007	1,095 71	93 07	1,002.64	-2 75
OU3-13D	3/6/2008	1,095 71	91.80	1,003 91	1.27
OU3-13D	9/2/2008	1,095 71	91 04	1,004.67	0.76
OU3-13D	3/2/2009	1,095 71	88 09	1,007 62	2 95
OU3-13D	9/8/2009	1,095 71	89 21	1,006.50	-1.12
OU3-13D	3/15/2010	1,095 71	87.76	1,007 95	1 45
OU3-13D	9/13/2010	1095.71	85 05	1010 66	2.71
OU3-13D	**3/17/2011**	**1,095.71**	**84.31**	**1,011.40**	**0.74**
OU3-13M	5/29/2003	1,095 75	92.92	1,002.83	—

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-13M	9/2/2003	1,095 75	94 90	1,000 85	-1.98
OU3-13M	12/1/2003	1,095 75	96 46	999 29	-1 56
OU3-13M	3/1/2004	1,095 75	95.35	1,000.40	1.11
OU3-13M	9/1/2004	1,095 75	97 75	998 00	-2 40
OU3-13M	3/1/2005	1,095 75	96 86	998.89	0.89
OU3-13M	9/1/2005	1,095 75	93 66	1,002.09	3.20
OU3-13M	3/1/2006	1,095 75	92.42	1,003 33	1.24
OU3-13M	9/5/2006	1,095.75	94 81	1,000.94	-2 39
OU3-13M	3/1/2007	1,095 75	93.21	1,002 54	1.60
OU3-13M	9/4/2007	1,095 75	95 20	1,000 55	-1 99
OU3-13M	3/6/2008	1,095 75	94.93	1,000.82	0 27
OU3-13M	9/2/2008	1,095 75	93 60	1,002 15	1.33
OU3-13M	3/2/2009	1,095 75	91 09	1,004.66	2 51
OU3-13M	9/8/2009	1,095 75	91 61	1,004 14	-0 52
OU3-13M	3/15/2010	1,095.75	91.10	1,004 65	0 51
OU3-13M	9/13/2010	1095 75	87.51	1008.24	3.59
OU3-13M	**3/17/2011**	**1,095.75**	**87.30**	**1,008.45**	**0.21**
OU3-14D	5/29/2003	1,099 14	85 99	1,013 15	—
OU3-14D	9/2/2003	1,099 14	88 66	1,010 48	-2 67
OU3-14D	12/1/2003	1,099 14	88 53	1,010 61	0 13
OU3-14D	3/1/2004	1,099 14	87 15	1,011 99	1 38
OU3-14D	9/1/2004	1,099 14	91 52	1,007 62	-4 37
OU3-14D	3/1/2005	1,099.14	87 55	1,011.59	3 97
OU3-14D	9/1/2005	1,099 14	86 40	1,012 74	1 15
OU3-14D	3/1/2006	1,099 14	83 72	1,015 42	2.68
OU3-14D	9/5/2006	1,099.14	86 58	1,012.56	-2.86
OU3-14D	3/1/2007	1,099.14	84 57	1,014 57	2 01
OU3-14D	9/4/2007	1,099.14	88 10	1,011 04	-3 53
OU3-14D	3/6/2008	1,099 14	85 81	1,013 33	2.29
OU3-14D	9/2/2008	1,099.14	85 85	1,013.29	-0 04
OU3-14D	3/2/2009	1,099 14	82 61	1,016 53	3 24
OU3-14D	9/8/2009	1,099.14	84 21	1,014 93	-1 60
OU3-14D	3/15/2010	1,099 14	81 95	1,017.19	2.26
OU3-14D	9/13/2010	1099 14	87.81	1011 33	-5 86
OU3-14D	**3/9/2011**	**1,099.14**	**79.35**	**1,019.79**	**8.46**
OU3-14M	5/29/2003	1,099.05	94 13	1,004 92	—
OU3-14M	9/2/2003	1,099.05	95.69	1,003.36	-1 56
OU3-14M	12/1/2003	1,099.05	98 16	1,000 89	-2.47
OU3-14M	3/1/2004	1,099 05	96 60	1,002.45	1 56
OU3-14M	9/1/2004	1,099.05	97 90	1,001 15	-1.30
OU3-14M	3/1/2005	1,099 05	97 75	1,001 30	0 15
OU3-14M	9/1/2005	1,099 05	94 91	1,004 14	2 84
OU3-14M	3/1/2006	1,099 05	93 56	1,005 49	1 35
OU3-14M	9/5/2006	1,099.05	95 43	1,003 62	-1.87
OU3-14M	3/1/2007	1,099 05	94 19	1,004.86	1.24
OU3-14M	9/4/2007	1,099 05	95 77	1,003 28	-1.58
OU3-14M	3/6/2008	1,099 05	95.97	1,003 08	-0.20
OU3-14M	9/2/2008	1,099 05	94 64	1,004 41	1 33
OU3-14M	3/2/2009	1,099 05	92.37	1,006 68	2.27
OU3-14M	9/8/2009	1,099 05	92 65	1,006 40	-0 28
OU3-14M	3/15/2010	1,099.05	92 60	1,006 45	0 05
OU3-14M	9/13/2010	1099 05	89 19	1009.86	3 41
OU3-14M	**3/9/2011**	**1,099.05**	**89.11**	**1,009.94**	**0.08**
OU3-1D	6/18/2002	1,093 09	82.24	1,010 85	—
OU3-1D	9/3/2002	1,093 09	85 11	1,007 98	-2 87
OU3-1D	12/16/2002	1,093 09	82 70	1,010 39	2.41
OU3-1D	2/27/2003	1,093.09	81.68	1,011.41	1.02
OU3-1D	9/2/2003	1,093.09	88.98	1,004 11	-7 30
OU3-1D	3/1/2004	1,093 09	85 50	1,007 59	3 48
OU3-1D	9/1/2004	1,093.09	92.51	1,000 58	-7 01
OU3-1D	3/1/2005	1,093 09	85 43	1,007 66	7 08
OU3-1D	9/1/2005	1,093 09	86 35	1,006 74	-0 92
OU3-1D	3/1/2006	1,093 09	82.12	1,010 97	4.23
OU3-1D	9/5/2006	1,093 09	87.29	1,005 80	-5 17
OU3-1D	3/1/2007	1,093.09	83 69	1,009 40	3 60
OU3-1D	9/4/2007	1,093 09	88 85	1,004.24	-5 16
OU3-1D	3/6/2008	1,093 09	84 36	1,008.73	4.49
OU3-1D	9/2/2008	1,093 09	86 12	1,006 97	-1 76
OU3-1D	3/2/2009	1,093 09	81 39	1,011 70	4 73
OU3-1D	9/8/2009	1,093 09	84 50	1,008 59	-3 11
OU3-1D	3/15/2010	1,093 09	79 98	1,013 11	4 52
OU3-1D	9/13/2010	1093 09	80 84	1012.25	-0 86
OU3-1D	**3/10/2011**	**1,093.09**	**78.32**	**1,014.77**	**2.52**
OU3-1M	6/18/2002	1,093 30	88 95	1,004 35	—

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-1M	9/3/2002	1,093 30	91.29	1,002 01	-2 34
OU3-1M	12/16/2002	1,093 30	93 22	1,000 08	-1.93
OU3-1M	2/27/2003	1,093 30	92.18	1,001 12	1 04
OU3-1M	9/2/2003	1,093 30	94 88	998 42	-2 70
OU3-1M	3/1/2004	1,093 30	95 51	997 79	-0 63
OU3-1M	9/1/2004	1,093 30	98 15	995 15	-2 64
OU3-1M	3/1/2005	1,093 30	97 59	995.71	0 56
OU3-1M	9/1/2005	1,093 30	94 48	998 82	3 11
OU3-1M	3/1/2006	1,093 30	92 91	1,000 39	1 57
OU3-1M	9/5/2006	1,093 30	95 53	997 77	-2.62
OU3-1M	3/1/2007	1,093 30	93 95	999 35	1.58
OU3-1M	9/4/2007	1,093 30	96 10	997 20	-2 15
OU3-1M	3/6/2008	1,093 30	95 75	997.55	0 35
OU3-1M	9/2/2008	1,093 30	94 88	998 42	0 87
OU3-1M	3/2/2009	1,093 30	92.14	1,001 16	2.74
OU3-1M	9/8/2009	1,093 30	92 69	1,000 61	-0 55
OU3-1M	3/15/2010	1,093 30	91 93	1,001 37	0 76
OU3-1M	9/13/2010	1093.30	89 03	1004.27	2.90
OU3-1M	**3/10/2011**	**1,093.30**	**87.96**	**1,005.34**	**1.07**
OU3-2M	6/18/2002	1,087 97	64 45	1,003 52	—
OU3-2M	9/3/2002	1,087.97	86 85	1,001 12	-2.40
OU3-2M	12/16/2002	1,087.97	88.57	999.40	-1.72
OU3-2M	2/27/2003	1,087.97	87.44	1,000.53	1 13
OU3-2M	9/2/2003	1,087 97	90 31	997 66	-2 87
OU3-2M	3/1/2004	1,087.97	90 73	997 24	-0 42
OU3-2M	9/1/2004	1,087 97	93 69	994 28	-2.96
OU3-2M	3/1/2005	1,087 97	92 34	995 63	1.35
OU3-2M	9/1/2005	1,087 97	89 34	998 63	3 00
OU3-2M	3/1/2006	1,087 97	87 43	1,000 54	1.91
OU3-2M	9/5/2006	1,087 97	90 77	997 20	-3 34
OU3-2M	3/1/2007	1,087 97	88 79	999 18	1.98
OU3-2M	9/4/2007	1,087 97	91.26	996 71	-2 47
OU3-2M	3/6/2008	1,087 97	90 48	997.49	0 78
OU3-2M	9/2/2008	1,087 97	89 66	998 31	0 82
OU3-2M	3/2/2009	1,087 97	86 70	1,001 27	2 96
OU3-2M	9/8/2009	1,087 97	87.56	1,000 41	-0 86
OU3-2M	3/15/2010	1,087.97	86.56	1,001 44	1 03
OU3-2M	9/13/2010	1088 00	83 52	1004 48	3.04
OU3-2M	**3/14/2011**	**1,094.74**	**82.45**	**1,005.55**	**1.07**
OU3-4S	6/18/2002	1,094 74	87 98	1,006 76	—
OU3-4S	9/3/2002	1,094 74	90 02	1,004 72	-2 04
OU3-4S	12/16/2002	1,094.74	92.12	1,002.62	-2.10
OU3-4S	2/27/2003	1,094.74	91 57	1,003 17	0.55
OU3-4S	9/2/2003	1,094 74	93 70	1,001 04	-2.13
OU3-4S	3/1/2004	1,094 74	94 86	999 88	-1 16
OU3-4S	9/1/2004	1,094.74	96 78	997 96	-1 92
OU3-4S	3/1/2005	1,094 74	97 10	997.64	-0.32
OU3-4S	9/1/2005	1,094 74	94 01	1,000.73	3 09
OU3-4S	3/1/2006	1,094 74	92.70	1,002 04	1 31
OU3-4S	9/5/2006	1,094 74	94.40	1,000 34	-1 70
OU3-4S	3/1/2007	1,094 74	93 61	1,001 13	0 79
OU3-4S	9/4/2007	1,094 74	95 13	999.61	-1.52
OU3-4S	3/6/2008	1,094 74	95 36	999 38	-0 23
OU3-4S	9/2/2008	1,094.74	94 37	1,000 37	0 99
OU3-4S	3/2/2009	1,094 74	92.20	1,002.54	2.17
OU3-4S	9/8/2009	1,094 74	92 23	1,002.51	-0 03
OU3-4S	3/15/2010	1,094 74	91 95	1,002.79	0.28
OU3-4S	9/13/2010	1094 74	89 25	1005 49	2 70
OU3-4S	**3/8/2011**	**1,094.74**	**88.33**	**1,006.41**	**0.92**
OU3-5DR	8/12/2003	1,087.35	91 56	995 79	—
OU3-5DR	12/1/2003	1,087.35	91.34	996 01	0 22
OU3-5DR	3/1/2004	1,087.35	89 30	998 05	2.04
OU3-5DR	9/1/2004	1,087 35	96 01	991 34	-6 71
OU3-5DR	3/1/2005	1,087 35	90 09	997.26	5.92
OU3-5DR	9/1/2005	1,087.35	90.35	997 00	-0 26
OU3-5DR	3/1/2006	1,087 35	86 33	1,001 02	4 02
OU3-5DR	9/5/2006	1,087.35	92 14	995.21	-5 81
OU3-5DR	3/1/2007	1,087.35	88 17	999 18	3 97
OU3-5DR	9/4/2007	1,087.35	93 32	994.03	-5.15
OU3-5DR	3/6/2008	1,087.35	89 09	998 26	4 23
OU3-5DR	9/2/2008	1,087.35	90.92	996 43	-1 83
OU3-5DR	3/2/2009	1,087.35	85.77	1,001.58	5 15
OU3-5DR	9/8/2009	1,087 35	85.50	1,001.85	0.27
OU3-5DR	3/15/2010	1,087.35	84 70	1,002 65	0 80

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-5DR	9/13/2010	1087 35	84.98	1002.37	-0.28
OU3-5DR	**3/16/2011**	**1,087.35**	**86.23**	**1,001.12**	**-1.25**
OU3-5M2	5/29/2003	1,087.24	91 87	995 37	—
OU3-5M2	8/12/2003	1,087.24	94.51	992 73	-2 64
OU3-5M2	12/1/2003	1,087.24	96 04	991 20	-1.53
OU3-5M2	3/1/2004	1,087.24	94.24	993 00	1 80
OU3-5M2	9/1/2004	1,087.24	98 77	988 47	-4.53
OU3-5M2	3/1/2005	1,087 24	96 50	990 74	2.27
OU3-5M2	9/1/2005	1,087.24	94.62	992.62	1 88
OU3-5M2	3/1/2006	1,087.24	91 77	995 47	2 85
OU3-5M2	9/9/2006	1,087.24	96.39	990 85	-4 62
OU3-5M2	3/10/2007	1,087.24	93 07	994 17	3 32
OU3-5M2	9/4/2007	1,087.24	97.09	990 15	-4 02
OU3-5M2	3/6/2008	1,087 24	95 00	992.24	2.09
OU3-5M2	9/2/2008	1,087 24	95 60	991.64	-0 60
OU3-5M2	3/2/2009	1,087.24	91 55	995 69	4 05
OU3-5M2	9/8/2009	1,087 24	93 49	993 75	-1 94
OU3-5M2	3/15/2010	1,087 24	91 10	996 14	2.39
OU3-5M2	9/13/2010	1087.24	89 78	997 46	1 32
OU3-5M2	**3/16/2011**	**1,087.24**	**86.76**	**1,000.48**	**3.02**
OU3-5MR	8/11/2003	1,087.37	94 58	992 79	—
OU3-5MR	12/1/2003	1,087 37	96 13	991.24	-1 55
OU3-5MR	3/1/2004	1,087 37	94.34	993.03	1 79
OU3-5MR	9/1/2004	1,087 37	98 40	988 97	-4 06
OU3-5MR	3/1/2005	1,087.37	96 60	990 77	1 80
OU3-5MR	9/1/2005	1,087 37	94.71	992.66	1 89
OU3-5MR	3/1/2006	1,087 37	91 88	995.49	2 83
OU3-5MR	9/5/2006	1,087 37	96.38	990 99	-4 50
OU3-5MR	3/1/2007	1,087 37	93 41	993 96	2 97
OU3-5MR	9/4/2007	1,087 37	97.15	990.22	-3 74
OU3-5MR	3/6/2008	1,087.37	95 09	992.28	2.06
OU3-5MR	9/2/2008	1,087.37	95 67	991 70	-0 58
OU3-5MR	3/2/2009	1,087 37	91.56	995.81	4 11
OU3-5MR	9/8/2009	1,087 37	93 54	993 83	-1 98
OU3-5MR	3/15/2010	1,087.37	91 19	996.18	2.35
OU3-5MR	9/13/2010	1087.37	89 81	997.56	1.38
OU3-5MR	**3/16/2011**	**1,087.37**	**86.84**	**1,000.53**	**2.97**
OU3-5SR	8/11/2003	1,087.28	94 39	992.89	—
OU3-5SR	12/1/2003	1,087 28	95 97	991.31	-1 58
OU3-5SR	3/1/2004	1,087 28	94 18	993.10	1 79
OU3-5SR	9/1/2004	1,087.28	98 61	988.67	-4 43
OU3-5SR	3/1/2005	1,087 28	96 44	990.84	2.17
OU3-5SR	9/1/2005	1,087.28	94 52	992.76	1.92
OU3-5SR	3/1/2006	1,087 28	91 72	995.56	2 80
OU3-5SR	9/5/2006	1,087 28	96 18	991 10	-4 46
OU3-5SR	4/3/2007	1,087 28	92 90	994 38	3 28
OU3-5SR	9/4/2007	1,087 28	96.96	990 32	-4 06
OU3-5SR	3/6/2008	1,087.28	94 95	992.33	2.01
OU3-5SR	9/2/2008	1,087 28	95 51	991.77	-0 56
OU3-5SR	3/2/2009	1,087 28	91 51	995 77	4 00
OU3-5SR	9/8/2009	1,087.28	93 39	993 89	-1 88
OU3-5SR	3/15/2010	1,087 28	91 02	996 26	2 37
OU3-5SR	9/13/2010	1087.28	89 64	997.64	1.38
OU3-5SR	**3/16/2011**	**1,087.28**	**86.73**	**1,000.55**	**2.91**
OU3-6D	6/18/2002	1,083 77	84.89	998.88	—
OU3-6D	9/3/2002	1,083 77	87 84	995.93	-2 95
OU3-6D	12/16/2002	1,083 77	87 04	996 73	0.80
OU3-6D	2/27/2003	1,083 77	85 34	998 43	1 70
OU3-6D	9/2/2003	1,083 77	90 98	992 79	-5 64
OU3-6D	3/1/2004	1,083.77	88 33	995 44	2 65
OU3-6D	9/1/2004	1,083 77	94 87	988 90	-6 54
OU3-6D	3/1/2005	1,083 77	89 12	994 65	5.75
OU3-6D	9/1/2005	1,083 77	89 33	994 44	-0 21
OU3-6D	3/6/2006	1,083.77	83 54	1,000.23	5.79
OU3-6D	9/5/2006	1,083 77	91.40	992.37	-7 86
OU3-6D	3/1/2007	1,083.77	87 05	996 72	4 35
OU3-6D	9/4/2007	1,083 77	92.45	991.32	-5 40
OU3-6D	3/6/2008	1,083.77	88 19	995 58	4 26
OU3-6D	9/2/2008	1,083 77	90 03	993.74	-1 84
OU3-6D	3/2/2009	1,083 77	84 84	998 93	5 19
OU3-6D	9/8/2009	1,083 77	88 14	995.63	-3 30
OU3-6D	3/15/2010	1,083 77	83 89	999.88	4.25
OU3-6D	9/13/2010	1083.77	83 64	999 93	0 05
OU3-6D	**3/14/2011**	**1,083.77**	**80.06**	**1,003.71**	**3.78**

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-6M	6/18/2002	1,083 66	87.14	996 52	—
OU3-6M	9/3/2002	1,083 66	90 04	993 62	-2.90
OU3-6M	12/16/2002	1,083 66	90 39	993.27	-0 35
OU3-6M	2/27/2003	1,083 66	88 56	995.10	1 83
OU3-6M	9/2/2003	1,083 66	93 60	990 06	-5 04
OU3-6M	3/1/2004	1,083 66	91 38	992.28	2.22
OU3-6M	9/1/2004	1,083 66	96 93	986 73	-5 55
OU3-6M	3/1/2005	1,083 66	93 27	990 39	3 66
OU3-6M	9/1/2005	1,083 66	92.19	991 47	1.08
OU3-6M	3/1/2006	1,083 66	88 75	994 91	3 44
OU3-6M	9/5/2006	1,083.66	94 29	989 37	-5 54
OU3-6M	3/1/2007	1,083 66	90.35	993 31	3.94
OU3-6M	9/4/2007	1,083 66	95 12	988 54	-4 77
OU3-6M	3/6/2008	1,083 66	91 95	991 71	3 17
OU3-6M	9/2/2008	1,083 66	93 28	990.38	-1 33
OU3-6M	3/2/2009	1,083 66	88 43	995 23	4.85
OU3-6M	9/8/2009	1,083 66	91 15	992 51	-2.72
OU3-6M	3/15/2010	1,083 66	87 91	995 75	3.24
OU3-6M	9/13/2010	1083 66	87.12	996.54	0 79
OU3-6M	**3/14/2011**	**1,083.66**	**83.47**	**1,000.19**	**3.65**
OU3-7M2	6/18/2002	1,085 59	84.30	1,001.29	—
OU3-7M2	9/3/2002	1,085 59	86 91	998 68	-2.61
OU3-7M2	12/16/2002	1,085 59	88 77	996 82	-1 86
OU3-7M2	2/27/2003	1,085.59	87 85	997 74	0 92
OU3-7M2	9/2/2003	1,085.59	90 40	995 19	-2 55
OU3-7M2	3/1/2004	1,085.59	90 95	994 64	-0 55
OU3-7M2	9/1/2004	1,085.59	93 95	991 64	-3 00
OU3-7M2	3/1/2005	1,085.59	93 57	992.02	0 38
OU3-7M2	9/1/2005	1,085.59	90 91	994 68	2 66
OU3-7M2	3/1/2006	1,085.59	88 97	996 62	1 94
OU3-7M2	9/5/2006	1,085.59	91 77	993 82	-2.80
OU3-7M2	3/1/2007	1,085 59	90 27	995 32	1.50
OU3-7M2	9/4/2007	1,085.59	92 07	993 52	-1 80
OU3-7M2	3/6/2008	1,085.59	92.11	993 48	-0 04
OU3-7M2	9/2/2008	1,085 59	91.86	993 73	0.25
OU3-7M2	3/2/2009	1,085.59	89 02	996 57	2.84
OU3-7M2	9/8/2009	1,085.59	89 76	995 83	-0 74
OU3-7M2	3/15/2010	1,085.59	88 46	997 13	1 30
OU3-7M2	9/13/2010	1085 59	86 63	998 96	1.83
OU3-7M2	**3/10/2011**	**1,085.59**	**84.53**	**1,001.06**	**2.10**
OU3-7S	6/18/2002	1,085 29	84.20	1,001 09	—
OU3-7S	9/3/2002	1,085.29	86.89	998 40	-2.69
OU3-7S	12/16/2002	1,085.29	88 77	996 52	-1 88
OU3-7S	2/27/2003	1,085.29	87 85	997 44	0 92
OU3-7S	9/2/2003	1,085.29	90 33	994 96	-2.48
OU3-7S	3/1/2004	1,085.29	90 95	994 34	-0 62
OU3-7S	9/1/2004	1,085.29	93 95	991.34	-3 00
OU3-7S	3/1/2005	1,085.29	93 58	991 71	0 37
OU3-7S	9/1/2005	1,085 29	90 89	994.40	2 69
OU3-7S	3/1/2006	1,085 29	88 96	996.33	1 93
OU3-7S	9/5/2006	1,085.29	91 73	993.56	-2 77
OU3-7S	3/1/2007	1,085 29	90 27	995.02	1 46
OU3-7S	9/4/2007	1,085.29	92 65	992.64	-2.38
OU3-7S	3/6/2008	1,085 29	92.11	993.18	0 54
OU3-7S	9/2/2008	1,085.29	91 83	993 46	0 28
OU3-7S	3/2/2009	1,085 29	89 02	996 27	2.81
OU3-7S	9/8/2009	1,085.29	89 72	995.57	-0.70
OU3-7S	3/15/2010	1,085 29	88 45	996 84	1 27
OU3-7S	9/13/2010	1085.29	86 60	998.69	1 85
OU3-7S	**3/10/2011**	**1,085.29**	**84.49**	**1,000.80**	**2.11**
OU3-8D	6/18/2002	1,080 00	88 11	991 89	—
OU3-8D	9/3/2002	1,080 00	91 57	988 43	-3 46
OU3-8D	12/16/2002	1,080 00	89 37	990 63	2.20
OU3-8D	2/27/2003	1,080 00	86 97	993 03	2 40
OU3-8D	9/2/2003	1,080 00	94 33	985 67	-7 36
OU3-8D	3/1/2004	1,080 00	89 78	990.22	4 55
OU3-8D	9/1/2004	1,080 00	98 58	981.42	-8 80
OU3-8D	3/1/2005	1,080 00	91 58	988 42	7 00
OU3-8D	9/1/2005	1,080 00	93.25	986 75	-1 67
OU3-8D	3/1/2006	1,080 00	87 25	992.75	6 00
OU3-8D	9/5/2006	1,080.00	95 42	984 58	-8.17
OU3-8D	3/1/2007	1,080 00	89 42	990 58	6 00
OU3-8D	9/4/2007	1,080 00	96 76	983.24	-7 34
OU3-8D	3/6/2008	1,080.00	90 83	989.17	5 93

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-8D	9/2/2008	1,080 00	94 70	985.30	-3 87
OU3-8D	3/2/2009	1,080.00	87 74	992.26	6 96
OU3-8D	9/8/2009	1,080.00	92.71	987 29	-4 97
OU3-8D	3/15/2010	1,080.00	86 59	993 41	6 12
OU3-8D	9/13/2010	1080 00	88.91	991 09	-2 32
OU3-8D	**3/11/2011**	**1,080.00**	**82.52**	**997.48**	**6.39**
OU3-8M2	6/18/2002	1,080 39	89.44	990 95	—
OU3-8M2	9/3/2002	1,080 39	92.79	987.60	-3 35
OU3-8M2	12/16/2002	1,080 39	92.70	987.69	0 09
OU3-8M2	2/27/2003	1,080 39	90 40	989 99	2.30
OU3-8M2	9/2/2003	1,080.39	95.70	984 69	-5.30
OU3-8M2	3/1/2004	1,080 39	93 08	987 31	2.62
OU3-8M2	9/1/2004	1,080 39	99 64	980 75	-6.56
OU3-8M2	3/1/2005	1,080 39	95 86	984.53	3.78
OU3-8M2	9/1/2005	1,080 39	95.46	984 93	0 40
OU3-8M2	3/1/2006	1,080 39	90.84	989 55	4 62
OU3-8M2	9/5/2006	1,080 39	97 42	982.97	-6 58
OU3-8M2	3/1/2007	1,080 39	92.94	987.45	4 48
OU3-8M2	9/4/2007	1,080 39	98 56	981.83	-5.62
OU3-8M2	3/6/2008	1,080.39	94 79	985 60	3 77
OU3-8M2	9/2/2008	1,080 39	97.23	983.16	-2 44
OU3-8M2	3/2/2009	1,080 39	91 59	988 80	5 64
OU3-8M2	9/8/2009	1,080 39	95 13	985.26	-3 54
OU3-8M2	3/15/2010	1,080 39	90 82	989 57	4 31
OU3-8M2	9/13/2010	1080.39	91 51	988.88	-0.69
OU3-8M2	**3/11/2011**	**1,080.39**	**86.31**	**994.08**	**5.20**
OU3-8S	6/18/2002	1,080 05	89 39	990 66	—
OU3-8S	9/3/2002	1,080 05	92.93	987.12	-3 54
OU3-8S	12/16/2002	1,080 05	92.93	987.12	0 00
OU3-8S	2/27/2003	1,080 05	90 61	989 44	2.32
OU3-8S	9/2/2003	1,080.05	95 72	984 33	-5 11
OU3-8S	3/1/2004	1,080.05	93.29	986 76	2.43
OU3-8S	9/1/2004	1,080 05	99 83	980.22	-6 54
OU3-8S	3/1/2005	1,080 05	96 22	983 83	3 61
OU3-8S	9/1/2005	1,080 05	95.69	984 36	0 53
OU3-8S	3/1/2006	1,080 05	91 18	988 87	4 51
OU3-8S	9/5/2006	1,080 05	97 70	982.35	-6.52
OU3-8S	3/1/2007	1,080 05	93 25	986 80	4 45
OU3-8S	9/4/2007	1,080.05	98.84	981.21	-5 59
OU3-8S	3/6/2008	1,080 05	95 16	984 89	3.68
OU3-8S	9/2/2008	1,080.05	97 57	982.48	-2 41
OU3-8S	3/2/2009	1,080.05	91.95	988 10	5 62
OU3-8S	9/8/2009	1,080.05	95 40	984 65	-3.45
OU3-8S	3/15/2010	1,080 05	90 05	990 00	5 35
OU3-8S	9/13/2010	1080.05	91.97	988 08	-1 92
OU3-8S	**3/11/2011**	**1,080.05**	**86.61**	**993.44**	**5.36**
OU3-9M2	5/29/2003	1,080 74	90 42	990 32	—
OU3-9M2	9/2/2003	1,080 74	94 19	986.55	-3 77
OU3-9M2	12/1/2003	1,080.74	95 17	985 57	-0 98
OU3-9M2	3/1/2004	1,080.74	92.85	987 89	2.32
OU3-9M2	9/1/2004	1,080.74	98 04	982.70	-5 19
OU3-9M2	3/1/2005	1,080.74	95.78	984 96	2.26
OU3-9M2	9/1/2005	1,080 74	94 53	986.21	1.25
OU3-9M2	3/1/2006	1,080 74	90.91	989.83	3 62
OU3-9M2	9/5/2006	1,080 74	96 08	984 66	-5 17
OU3-9M2	3/1/2007	1,080.74	92.79	987 95	3.29
OU3-9M2	9/4/2007	1,080.74	97.21	983 53	-4 42
OU3-9M2	3/6/2008	1,080.74	94.68	986 06	2.53
OU3-9M2	9/2/2008	1,080 74	96.22	984 52	-1.54
OU3-9M2	3/2/2009	1,080 74	91 62	989 12	4 60
OU3-9M2	9/8/2009	1,080 74	94.21	986.53	-2.59
OU3-9M2	3/15/2010	1,080 74	90.92	989.82	3.29
OU3-9M2	9/13/2010	1080.74	91 02	989.72	-0 10
OU3-9M2	**3/11/2011**	**1,080.74**	**86.53**	**994.21**	**4.49**
OU3-9S	6/18/2002	1,080 55	88 05	992.50	—
OU3-9S	9/3/2002	1,080 55	91 19	989.36	-3 14
OU3-9S	12/16/2002	1,080 55	92.11	988 44	-0 92
OU3-9S	2/27/2003	1,080.55	90 20	990 35	1.91
OU3-9S	9/2/2003	1,080 55	94.31	986.24	-4.11
OU3-9S	3/1/2004	1,080.55	93 00	987 55	1.31
OU3-9S	9/1/2004	1,080 55	98.05	982 50	-5 05
OU3-9S	3/1/2005	1,080 55	95 96	984.59	2.09
OU3-9S	9/1/2005	1,080.55	94 62	985 93	1 34
OU3-9S	3/1/2006	1,080.55	91 01	989 54	3 61

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
OU3-9S	9/5/2006	1,080 55	96 15	984 40	-5 14
OU3-9S	3/1/2007	1,080 55	92.93	987 82	3 42
OU3-9S	9/4/2007	1,080 55	97 25	983 30	-4 52
OU3-9S	3/6/2008	1,080.55	94 83	985.72	2.42
OU3-9S	9/2/2008	1,080.55	96 33	984.22	-1.50
OU3-9S	3/2/2009	1,080.55	91.78	988.77	4 55
OU3-9S	9/8/2009	1,080 55	94 34	986.21	-2 56
OU3-9S	3/15/2010	1,080.55	91 03	989 52	3 31
OU3-9S	9/13/2010	1080 55	91 02	989.53	0 01
OU3-9S	**3/11/2011**	**1,080.55**	**86.65**	**993.90**	**4.37**
SC-MW-1D	3/13/2006	1,092 39	88 71	1,003.68	—
SC-MW-1D	9/5/2006	1,092 39	91 03	1,001.36	-2 32
SC-MW-1D	3/1/2007	1,092 39	89 26	1,003 13	1 77
SC-MW-1D	9/4/2007	1,092 39	91 27	1,001.12	-2 01
SC-MW-1D	3/6/2008	1,092 39	90 94	1,001 45	0.33
SC-MW-1D	9/2/2008	1,092 39	89 37	1,003 02	1 57
SC-MW-1D	3/2/2009	1,092 39	86 90	1,005 49	2 47
SC-MW-1D	9/8/2009	1,092.39	87 45	1,004.94	-0.55
SC-MW-1D	3/15/2010	1,092.39	86 95	1,005 44	0 50
SC-MW-1D	9/13/2010	1092.39	82.85	1009 54	4 10
SC-MW-1D	**3/9/2011**	**1,092.39**	**83.02**	**1,009.37**	**-0.17**
SC-MW-7	1/12/1995	1,091.25	62.26	1,028.99	—
SC-MW-7	1/20/1995	1,091.25	61 39	1,029 86	0 87
SC-MW-7	2/23/1995	1,091 25	60 10	1,031 15	1 29
SC-MW-7	3/16/1995	1,091 25	59 04	1,032.21	1.06
SC-MW-7	4/27/1995	1,091 25	57 16	1,034 09	1 88
SC-MW-7	5/24/1995	1,091 25	57 26	1,033 99	-0 10
SC-MW-7	6/30/1995	1,091 25	58 32	1,032.93	-1 06
SC-MW-7	7/31/1995	1,091 25	59 38	1,031.87	-1 06
SC-MW-7	8/16/1995	1,091 25	59 98	1,031 27	-0 60
SC-MW-7	9/28/1995	1,091 25	60 83	1,030 42	-0 85
SC-MW-7	10/20/1995	1,091 25	61.09	1,030 16	-0.26
SC-MW-7	11/16/1995	1,091.25	60.83	1,030 42	0 26
SC-MW-7	12/8/1995	1,091 25	60 41	1,030 84	0 42
SC-MW-7	1/19/1996	1,091 25	59 70	1,031 55	0 71
SC-MW-7	2/28/1996	1,091.25	59 26	1,031.99	0 44
SC-MW-7	3/12/1996	1,091.25	59 04	1,032.21	0 22
SC-MW-7	4/12/1996	1,091.25	59 25	1,032.00	-0.21
SC-MW-7	5/28/1996	1,091.25	60 45	1,030.80	-1 20
SC-MW-7	6/13/1996	1,091 25	60 98	1,030.27	-0 53
SC-MW-7	7/8/1996	1,091.25	61 89	1,029.36	-0 91
SC-MW-7	8/8/1996	1,091 25	62.90	1,028.35	-1 01
SC-MW-7	9/12/1996	1,091.25	63 74	1,027 51	-0 84
SC-MW-7	10/10/1996	1,091.25	64 18	1,027 07	-0 44
SC-MW-7	11/6/1996	1,091 25	64 47	1,026 78	-0.29
SC-MW-7	12/31/1996	1,091 25	64 58	1,026 67	-0.11
SC-MW-7	1/17/1997	1,091.25	64 49	1,026 76	0 09
SC-MW-7	2/21/1997	1,091.25	64.44	1,026 81	0 05
SC-MW-7	3/12/1997	1,091 25	64 61	1,026 64	-0 17
SC-MW-7	4/15/1997	1,091 25	65.15	1,026 10	-0.54
SC-MW-7	5/16/1997	1,091 25	66 02	1,025 23	-0 87
SC-MW-7	6/26/1997	1,091.25	67 56	1,023.69	-1 54
SC-MW-7	7/10/1997	1,091.25	68 04	1,023.21	-0 48
SC-MW-7	8/27/1997	1,091 25	69 55	1,021 70	-1 51
SC-MW-7	9/29/1997	1,091 25	70 24	1,021 01	-0 69
SC-MW-7	10/17/1997	1,091 25	70 35	1,020 90	-0 11
SC-MW-7	11/18/1997	1,091.25	70 49	1,020 76	-0 14
SC-MW-7	12/23/1997	1,091.25	71.66	1,019 59	-1.17
SC-MW-7	1/29/1998	1,091 25	70 29	1,020 96	1 37
SC-MW-7	2/23/1998	1,091.25	69.95	1,021 30	0 34
SC-MW-7	3/11/1998	1,091.25	69 57	1,021 68	0 38
SC-MW-7	4/20/1998	1,091:25	68 83	1,022.42	0 74
SC-MW-7	5/26/1998	1,091 25	68.35	1,022.90	0 48
SC-MW-7	6/12/1998	1,091.25	68.47	1,022 78	-0 12
SC-MW-7	7/31/1998	1,091 25	69.20	1,022.05	-0 73
SC-MW-7	8/28/1998	1,091 25	69 73	1,021.52	-0 53
SC-MW-7	10/8/1998	1,091 25	70 39	1,020.86	-0 66
SC-MW-7	11/4/1998	1,091.25	70 46	1,020 79	-0 07
SC-MW-7	12/7/1998	1,091.25	70 45	1,020 80	0 01
SC-MW-7	1/10/1999	1,091 25	74.01	1,017.24	-3.56
SC-MW-7	4/13/1999	1,091.25	70.04	1,021 21	3 97
SC-MW-7	10/11/1999	1,091.25	73 40	1,017.85	-3 36
SC-MW-7	11/15/1999	1,091.25	73 73	1,017.52	-0 33
SC-MW-7	12/8/1999	1,091 25	73 87	1,017.38	-0 14

Table D-1

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Groundwater Elevation Change
SC-MW-7	3/14/2000	1,091 25	74 43	1,016.82	-0 56
SC-MW-7	4/14/2000	1,091.25	74 66	1,016 59	-0.23
SC-MW-7	5/23/2000	1,091 25	75.00	1,016 25	-0.34
SC-MW-7	6/12/2000	1,091 25	75 51	1,015 74	-0 51
SC-MW-7	9/3/2002	1,091 25	87 41	1,003 84	-11 90
SC-MW-7	12/16/2002	1,091 25	Dry	—	—
SC-MW-7	2/27/2003	1,091 25	Dry	—	—
SC-MW-7	9/2/2003	1,091 25	Dry	—	—
SC-MW-7	3/1/2004	1,091 25	Dry	—	—
SC-MW-7	9/1/2004	1,091.25	Dry	—	—
SC-MW-7	3/1/2005	1,091.25	Dry	—	—
SC-MW-7	9/1/2005	1,091 25	Dry	—	—
SC-MW-7	3/1/2006	1,091.25	Dry	—	—
SC-MW-7	9/5/2006	1,091 25	Dry	—	—

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
BE-MW-8	3/18/2008	18	D	1.3		0.5	U	0.35	J
BE-MW-8	9/15/2008	16		1.1		0.5	U	0.25	J
BE-MW-8	3/10/2009	4 3		0.53		0.5	U	0.5	U
BE-MW-8	9/29/2009	6		0.59		0 5	U	0.22	J
BE-MW-8	3/16/2010	7.7		0 6		0.5	U	0.5	U
BE-MW-8	9/14/2010	8.8		0.66		0.5	U	0.5	U
BE-MW-8	3/8/2011	8.8		0.5		0 5	U	0 5	U
DT-DW-5	6/24/2002	1	U	1		1		1	U
DT-DW-5	9/9/2002	1	U	0.9	J	1	UJ	1	U
DT-DW-5	12/20/2002	1	U	10		2		1	
DT-DW-5	3/3/2003	1	U	1		1		1	U
DT-DW-5	3/5/2004	1	U	0.9	J	0.6	J	1	U
DT-DW-5	3/16/2005	0 17	J	1.1		0 49	J	0.37	J
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	U	0.5	U
DT-DW-5	9/13/2006	0.5	U	1.1		0 5	U	0.78	
DT-DW-5	3/15/2007	0 26	J	1.1		0.22	J	0.83	
DT-DW-5	9/12/2007	0.36	J	1.3		0.25	J	0.58	
DT-DW-5	3/19/2008	0 32	J	0.86		0.5	U	0 66	
DT-DW-5	9/19/2008	0 31	J	0.84		0.5	U	0.73	
DT-DW-5	3/11/2009	0.5	U	0.41	J	0 5	U	0 29	J
DT-DW-5	9/29/2009	0.5	U	0.41	J	0.5	U	0.35	J
DT-DW-5	3/16/2010	0.5	U,M2	0.67		0.5	U	0 5	U
DT-DW-5	9/13/2010	0.5	U	0.51		0 5	U	0.5	U
DT-DW-5	3/8/2011	0.5	U	0 54		0.5	U	0.5	U
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		98		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		69	D	18		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	
EW-13-118	9/21/2004	0 5	J	0 5	J	0 5	U	0.5	U
EW-13-118	3/3/2005	0.12	J	0.36	J	0.5	U	0.25	J
EW-13-118	9/2/2005	0.5	U	0.24	J	0.5	U	0.5	U
EW-13-118	3/16/2006	0.15	J	0 28	J	0 5	U	0.5	U
EW-13-118	9/25/2006	0.5	U	0 5	U	0.5	U	0 5	U
EW-13-118	3/2/2007	0.5	U	0 3	J	0.5	U	0.32	J
EW-13-118	9/5/2007	0 5	U	0.5	U	0.5	U	0.5	U
EW-13-118	3/24/2008	0 2	J	0.13	J	0 5	U	0.5	U
EW-13-118	9/4/2008	0.5	U	0.5	J	0.5	U	0 5	U
EW-13-118	3/16/2009	0 5	U	0.5	U	0 5	U	0.5	U
EW-13-118	10/1/2009	0.5	U	0 5	U	0 5	U	0.5	U
EW-13-118	3/26/2010	0.5	U	0.5	U	0.5	U	0.5	U
EW-13-118	9/24/2010	0.5	U	0.5	U	0 5	U	0 5	U
EW-13-118	3/18/2011	0.5	U	0.5	U	0.5	U	0 5	U
EW-13-168	9/21/2004	0.5	J	0.92		0 16	J	0.5	U
EW-13-168	3/3/2005	0 12	J	0.52		0.5	U	0.38	J
EW-13-168	9/2/2005	0.5	U	0.37	J	0 5	U	0.5	U
EW-13-168	3/16/2006	0.14	J	0.36	J	0 5	U	0.5	U
EW-13-168	9/25/2006	0.5	U	0.5	U	0.5	U	0 5	U
EW-13-168	3/2/2007	0.5	U	0.36	J	0.5	U	0 5	U
EW-13-168	9/5/2007	0.5	U	0.42	J	0 5	U	0.31	J
EW-13-168	3/24/2008	0 28	J	0.17	J	0.5	U	0 5	U
EW-13-168	9/4/2008	0.5	J	0.5	J	0 5	U	0.5	U
EW-13-168	3/16/2009	0.5	U	0 5	U	0.5	U	0.5	U
EW-13-168	9/4/2008	0.5	J	0.5	J	0 5	U	0.5	U
EW-13-168	3/16/2009	0.5	U	0 5	U	0.5	U	0.5	U
EW-13-168	10/1/2009	0.5	U	0.5	U	0 5	U	0 5	U
EW-13-168	3/26/2010	0.5	U	0 5	U	0 5	U	0.5	U
EW-13-168	9/24/2010	0.5	U	0 5	U	0 5	U	0.5	U
EW-13-168	3/18/2011	0.5	U	0 5	U	0.5	U	0.5	U
EW-13-228	9/21/2004	0.5	U	3 2		0.5	U	0.5	U
EW-13-228	3/4/2005	0.5	U	2.7		0.5	U	0 5	U
EW-13-228	9/2/2005	0.5	U	2.4		0.5	U	0.5	U
EW-13-228	3/16/2006	0.15	J	3		0.5	U	0.5	U
EW-13-228	9/25/2006	0.5	U	3 3		0.5	U	0.5	U
EW-13-228	3/2/2007	0.22	BJ	5.3		0 5	U	0.5	U
EW-13-228	9/5/2007	0.5	U	4.1		0.5	U	0 5	U
EW-13-228	3/24/2008	0.32	J	4		0 5	U	0 5	U
EW-13-228	9/4/2008	0 5	J	3.6		0.5	U	0.5	U
EW-13-228	3/16/2009	0.5	U	1 6		0.5	U	0.5	U
EW-13-228	10/1/2009	0 5	U	0.99		0.5	U	0.5	U
EW-13-228	3/26/2010	0.5	U	2.9		0 5	U	0.5	U
EW-13-228	9/24/2010	0.5	U	2.2		0.5	U	0.5	U
EW-13-228	3/18/2011	0.5	U	2.2		0.5	U	0.5	U
EW-13-268	9/21/2004	0.5	U	0 5	U	0.5	U	0.5	U
EW-13-268	3/3/2005	0 5	U	0.5	U	0.5	U	0.5	U
EW-13-268	9/2/2005	0.5	U	0 5	U	0.5	U	0.5	U
EW-13-268	3/16/2006	0.5	U	0.5	U	0.5	U	0.5	U
EW-13-268	9/25/2006	0.5	U	0.5	U	0 5	U	0.5	U
EW-13-268	3/2/2007	0 5	U	0.5	U	0.5	U	0.5	U
EW-13-268	9/5/2007	0.5	U	0 5	U	0 5	U	0.5	U
EW-13-268	3/24/2008	0 24	J	0 5	U	0.5	U	0.5	U
EW-13-268	9/4/2008	0.5	J	0.5	J	0.5	U	0 5	U

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/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	U	0.5	U	0 5	U	0.5	U
EW-13-268	10/1/2009	0 5	U	0.5	U	0 5	U	0.5	U
EW-13-268	3/26/2010	0.5	U	0.5	U	0 5	U	0 5	U
EW-13-268	9/24/2010	0 5	U	0 5	U	0.5	U	0.5	U
EW-13-268	3/18/2011	0.5	U	0.5	U	0.5	U	0.5	U
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		19	
EW-19S	3/7/2006	6		78	D	21	D	0.5	U
EW-19S	9/14/2006	3		68	D	19		9.8	
EW-19S	3/13/2007	3 4		76	D	17		7.7	
EW-19S	9/12/2007	3.7		53	D	19		9	
EW-19S	3/18/2008	3 3		54	D	16		10	
EW-19S	9/23/2008	2.1		35	D	8 8		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 5	U	7.8		2 3		3.1	
EW-19D	9/12/2002	1	U	1	U	1	U	1	U
EW-19D	12/18/2002	1	U	1	U	1	U	1	U
EW-19D	3/5/2003	1	U	1	U	1	U	1	U
EW-19D	9/7/2003	1	U	1	U	1	U	1	U
EW-19D	3/3/2004	1		3.6		1	U	1	UJ
EW-19D	9/9/2004	0.28	J	1.5		0.28	J	0 19	J
EW-19D	3/7/2005	0.5	U	0.35	J	0.5	U	0.5	U
EW-19D	9/27/2005	0.5	U	0.11	J	0.5	U	0.5	U
EW-19D	3/7/2006	0.5	U	0 5	U	0.5	U	0.5	U
EW-19D	9/14/2006	0.5	U	0 5	U	0.5	U	0.5	U
EW-19D	3/13/2007	0.5	U	0.5	U	0.5	U	0.5	U
EW-19D	9/12/2007	0.5	U	0.5	U	0.5	U	0 5	U
EW-19D	3/18/2008	0.5	U	0 5	U	0.5	U	0.5	U
EW-19D	9/22/2008	0 5	U	0.5	U	0.5	U	0.5	U
EW-19D	3/12/2009	0.5	U	0.5	U	0.5	U	0.5	U
EW-19D	9/22/2009	0.5	U	0.5	U	0 5	U	0.5	U
EW-19D	3/25/2010	0 5	U	0 5	U	0.5	U	0.5	U
EW-19D	9/16/2010	0.5	U	0 5	U	0.5	U	0.5	U
EW-19D	3/14/2011	0 5	U	0.5	U	0 5	U	0.5	U
EW-20	6/26/2002	9		260		40		0.9	J
EW-20	6/26/2002	10		300		50		1	
EW-20	9/10/2002	7		150		21		1	U
EW-20	9/10/2002	7		150		20		1	U
EW-20	12/18/2002	6		170		20		0 5	J
EW-20	12/18/2002	6		180		20		1	U
EW-20	3/3/2003	4		100		19		1	U
EW-20	3/3/2003	5		100		25	J	1	U
EW-20	9/4/2003	2.4		72		16		1	U
EW-20	9/4/2003	2.7		70		16		1	U
EW-20	3/4/2004	3.1		63		11		1	U
EW-20	9/7/2004	1.5		45		6.9		0 5	U
EW-20	3/16/2005	1 5	J	38		6.7		0.34	J
EW-20	9/20/2005	3.2		73		16		0 17	J
EW-20	3/2/2006	2.9		48	D	14		0.5	U
EW-20	9/6/2006	2.7		75	D	14		0.5	U
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		1.4	
EW-20	9/28/2009	0 91		20		4 3		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		22		5		3 2	
EW-21	9/10/2002	0.7	J	21		3		1	U
EW-21	12/18/2002	0.5	J	12		1		1	U
EW-21	3/7/2003	0.5	J	11		1		1	U
EW-21	9/4/2003	0 6	J	4.3		0.6	J	1	U
EW-21	3/11/2004	0.6	J	8		0 9	J	1	U
EW-21	9/8/2004	0.82		5.7		0.65		0.5	U
EW-21	3/16/2005	0.84		5.4		0.63		0.5	U
EW-21	9/22/2005	0.78		5		0 77		0 5	U
EW-21	3/3/2006	0.97		5.4		0.87		0.5	U
EW-21	9/11/2006	1.3		5 1		0 57		0.5	U
EW-21	3/12/2007	0.93		4 2		0 57		0.5	U
EW-21	9/14/2007	0 79		3.4		0.45	J	0.5	U
EW-21	3/18/2008	0.88		2.8		0.29	J	0.5	U
EW-21	9/16/2008	0.71		2		0.28	J	0.5	U
EW-21	3/6/2009	0.5	U	1.2		0.5	U	0.5	U
EW-21	9/29/2009	0.35	J	1.5		0.5	U	0 5	U
EW-21	3/22/2010	0.5	U	2.5		0 5	U	0.5	U
EW-21	9/20/2010	0 5	U	2.5		0.5	U	0 5	U
EW-21	3/8/2011	0 5	U	3		0.5	U	0.5	U

Table D-2

Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/l		TCE ug/l		cDCE ug/l		1,1-DCE ug/l	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
EW-21	3/8/2011	0.5	U	3		0.5	U	0.5	U
GH-MW-11	6/27/2002	4		160		40		60	
GH-MW-11	9/13/2002	4		160		40	J	40	
GH-MW-11	12/20/2002	4		220		50		50	
GH-MW-11	3/6/2003	5		120		20		30	
GH-MW-11	9/6/2003	1	U	19		32		14	
GH-MW-11	3/9/2004	2.1		62		18		16	
GH-MW-11	9/13/2004	13	U	43		28		13	U
GH-MW-11	3/8/2005	130	U	30	J	130	U	52	J
GH-MW-11	9/25/2005	2.5	U	5 3		20		2.5	U
GH-MW-11	3/6/2006	0.47	J	5 8		12		4.8	
GH-MW-11	9/7/2006	0 5	U	3.4		12		4	
GH-MW-11	3/8/2007	0.5	U	1		1.2		0.65	
GH-MW-11	3/17/2008	6.3	U	1 4	J	1.3	J	6 3	U
GH-MW-11	3/6/2009	0.5	U	0 5	U	0.5	U	0.5	U
GH-MW-11	9/24/2009	0 5	U	0.5	U	0.5	U	0.5	U
GH-MW-11	3/23/2010	0.5	U	0.5	U	0.5	U	0.5	U
OU3-1M	6/27/2002	1		49		7		1	U
OU3-1M	9/11/2002	1		22		4		1	U
OU3-1M	12/18/2002	0.9	J	25		3		1	U
OU3-1M	3/5/2003	0.9	J	25		3		1	U
OU3-1M	9/6/2003	1	U	11		1.4		1	U
OU3-1M	3/11/2004	0.9	J	12		1.7		1	U
OU3-1M	3/11/2004	0.9	J	12		1 8		1	U
OU3-1M	9/14/2004	0.23	J	5.3		0 41	J	0.1	J
OU3-1M	9/14/2004	0.28	J	5 5		0.41	J	0.5	U
OU3-1M	3/11/2005	0 82		11		1.2		0 5	U
OU3-1M	3/11/2005	0.85		9.3		1.2		0.5	U
OU3-1M	9/22/2005	0.82		7.4		1		0.5	U
OU3-1M	9/22/2005	0.9		7 8		1.1		0.065	J
OU3-1M	3/6/2006	0.93		7.9		1 3		0.5	U
OU3-1M	3/6/2006	0.95		8 6		0.5	U	0.5	U
OU3-1M	9/7/2006	0 86		6 9		0.94		0.5	U
OU3-1M	9/7/2006	0.83		7		0.99		0 5	U
OU3-1M	3/8/2007	0.7		5.3		0.74		0.5	U
OU3-1M	3/8/2007	0 7		5.2		0.74		0.5	U
OU3-1M	9/11/2007	0.75		4.8		0.75		0.5	U
OU3-1M	9/11/2007	0 74		5		0.76		0.5	U
OU3-1M	3/18/2008	0 8		4.2		0.44	J	0.5	U
OU3-1M	3/18/2008	0.76		4 1		0.49	J	0 5	U
OU3-1M	9/18/2008	0 61		3.3		0.46	J	0.5	U
OU3-1M	9/18/2008	0.64		3 4		0.44	J	0.5	U
OU3-1M	3/10/2009	0 5	U	1 7		0.21	J	0.5	U
OU3-1M	3/10/2009	0 24	J	1.8		0 26	J	0.5	U
OU3-1M	9/25/2009	0.23	J	2.1		0.26	J	0.5	U
OU3-1M	9/25/2009	0.31	J	2		0.29	J	0.5	U
OU3-1M	3/17/2010	0.5	U	3.3		0.5	U	0.5	U
OU3-1M	9/22/2010	0 5	U	4 7		0.63		0.5	U
OU3-1M	3/10/2011	0.5	U	6		0 88		0.5	U
OU3-1D	6/27/2002	1	U	1	U	1	U	1	U
OU3-1D	9/11/2002	1	U	1	U	1	U	1	U
OU3-1D	12/19/2002	1	U	1	U	1	U	1	U
OU3-1D	3/5/2003	1	U	1	U	1	U	1	U
OU3-1D	9/6/2003	1	U	1	U	1	U	1	U
OU3-1D	3/11/2004	0.6	J	1.1		1	U	1	U
OU3-1D	9/14/2004	0.11	J	0.63		0 11	J	0.5	U
OU3-1D	3/11/2005	0.5	U	0.5	U	0.5	U	0 5	U
OU3-1D	9/26/2005	0.5	U	0 5	U	0.5	U	0 5	U
OU3-1D	3/6/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-1D	9/7/2006	0.5	U	0.5	U	0.5	U	0 5	U
OU3-1D	3/8/2007	0.5	U	0 5	U	0.5	U	0.5	U
OU3-1D	9/11/2007	0 5	U	0.5	U	0.5	U	0 5	U
OU3-1D	3/18/2008	0.5	U	0.5	U	0.5	U	0.5	U
OU3-1D	9/18/2008	0.5	U	0.5	U	0 5	U	0.5	U
OU3-1D	3/10/2009	0.5	U	0.5	U	0.5	U	0 5	U
OU3-1D	9/25/2009	0.5	U	0 5	U	0.5	U	0.5	U
OU3-1D	3/17/2010	0 5	U	0.5	U	0.5	U	0.5	U
OU3-1D	9/22/2010	0 5	U	0 5	U	0.5	U	0.5	U
OU3-1D	3/10/2011	0.5	U	0.5	U	0.5	U	0.5	U
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		350		82		11	
OU3-2M	9/2/2004	3.9	J	86		25		4.2	U
OU3-2M	3/7/2005	13		220		69		12	
OU3-2M	9/21/2005	7		220		48		17	
OU3-2M	3/7/2006	11		160	D	42	D	12	D
OU3-2M	9/14/2006	9.1		210	D	48	D	26	D
OU3-2M	3/13/2007	6 8		190	D	46	D	16	
OU3-2M	9/12/2007	6.3		180	D	38	D	27	D
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		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		5.8	
OU3-2M	3/23/2010	2 1		52		12		8 7	

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-2M	3/23/2010	2		51		11		8.5	
OU3-2M	9/16/2010	1.5		39		8 3		7 9	
OU3-2M	3/14/2011	1.4		31		0 5	U	7 4	
OU3-4S	6/24/2002	3		1	U	1	U	1	U
OU3-4S	9/9/2002	3		1	U	1	U	1	U
OU3-4S	12/17/2002	4		0.6	J	1	U	1	U
OU3-4S	3/3/2003	4		0.7	J	1	U	1	U
OU3-4S	9/4/2003	2.5		0.6	J	1	U	1	U
OU3-4S	3/4/2004	4		21		1 1		1	U
OU3-4S	9/3/2004	2.7		0.82		0 25	J	0.5	U
OU3-4S	3/15/2005	3 7		0.76		0.14	J	0 5	U
OU3-4S	9/20/2005	2.7		0.66		0.5	U	0.5	U
OU3-4S	3/8/2006	5 1		1 6		0 5	U	0 5	U
OU3-4S	9/11/2006	5 6		1		0.5	U	0 5	U
OU3-4S	3/5/2007	4.5		0 57		0 5	U	0.5	U
OU3-4S	9/7/2007	4.6		0.58		0 5	U	0.5	U
OU3-4S	3/12/2008	4.5		0.35	J	0.5	U	0.5	U
OU3-4S	9/16/2008	5		0.33	J	0.5	U	0.5	U
OU3-4S	3/5/2009	1.8		0 5	U	0 5	U	0.5	U
OU3-4S	9/23/2009	2.2		0 27	J	0.5	U	0.5	U
OU3-4S	3/16/2010	2.8		0.5	U	0.5	U	0 5	U
OU3-4S	9/14/2010	3		0 5	U	0.5	U	0.5	U
OU3-4S	3/8/2011	3.3		0.5	U	0.5	U	0.5	U
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		130		22		2.5	
OU3-5M2	3/9/2005	7		160		33		4	
OU3-5M2	9/26/2005	8.1		180		34		5.7	
OU3-5M2	3/2/2006	7.6	D	150	D	34	D	4.6	D
OU3-5M2	9/8/2006	9.8		210	D	32	D	7.2	
OU3-5M2	3/10/2007	8.9		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		5.3	
OU3-5M2	9/28/2009	3.1		96	D	13		5.7	
OU3-5M2	3/24/2010	5.3		130		24		11	
OU3-5M2	3/24/2010	5 4		140		26		11	
OU3-5M2	9/21/2010	4 2		110		22		12	
OU3-5M2	3/16/2011	3.2		73		14		8.7	
OU3-5SR	7/10/2003	5		110		24		5	U
OU3-5SR	8/11/2003	4		78		21		5	U
OU3-5SR	12/3/2003	3		80		18		0.7	J
OU3-5SR	3/4/2004	4.6		94		19		0.7	J
OU3-5SR	9/8/2004	2.2		67		12		0.37	J
OU3-5SR	3/9/2005	2		66		11		2.5	UJ
OU3-5SR	9/29/2005	3.6		78		15		1.2	
OU3-5SR	3/2/2006	2.4		42	D	13		0.5	U
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		1.1	
OU3-5SR	9/28/2009	0.79		16		3.3		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		4.6	
OU3-5MR	7/10/2003	11		240		48		5	U
OU3-5MR	8/11/2003	10		250	J	49		5	U
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	J
OU3-5MR	9/8/2004	1.5		47		11		0.54	
OU3-5MR	3/9/2005	7	J	170		31		13	U
OU3-5MR	3/9/2005	7	J	180		32		13	U
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	D
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		140	D	31	D	6	
OU3-5MR	3/10/2007	7.2		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		4.3	
OU3-5MR	3/9/2009	1.5		56	D	8 3		4.4	
OU3-5MR	9/28/2009	2 2		44	D	10		4.9	
OU3-5MR	9/28/2009	2.2		41	D	10		4 8	
OU3-5MR	3/24/2010	3 7		88		18		9 3	

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-5MR	9/21/2010	2.9		71		15		9 7	
OU3-5MR	3/16/2011	2.3		50		10		7	
OU3-5DR	7/9/2003	2	U	2	U	2	U	5	U
OU3-5DR	7/9/2003	2	U	2	U	2	U	5	U
OU3-5DR	8/12/2003	2	U	2	U	2	U	5	U
OU3-5DR	8/12/2003	2	U	2	U	2	U	5	U
OU3-5DR	12/3/2003	1	U	4 6		1	U	1	U
OU3-5DR	3/4/2004	1		3		1	U	1	U
OU3-5DR	9/8/2004	0.32	J	1 1		0.22	J	0.21	J
OU3-5DR	3/9/2005	0.5	U	0.5	U	0.5	U	0 5	U
OU3-5DR	9/29/2005	0 5	U	0 66		0.5	U	0.5	U
OU3-5DR	3/2/2006	0.5	U	0 52		0.5	U	0.5	U
OU3-5DR	9/9/2006	0.5	U	0.67		0.5	U	0 5	U
OU3-5DR	3/10/2007	0 5	U	0.61		0.5	U	0.5	U
OU3-5DR	9/13/2007	0 5	U	0 56		0.5	U	0.5	U
OU3-5DR	3/17/2008	0.5	U	0.27	J	0 5	U	0.5	U
OU3-5DR	9/19/2008	0 5	U	0.39	J	0.5	U	0 5	U
OU3-5DR	3/9/2009	0.5	U	0.5	U	0.5	U	0 5	U
OU3-5DR	9/28/2009	0.5	U	0.5	U	0.5	U	0.5	U
OU3-5DR	3/24/2010	0.5	U	0 5	U	0.5	U	0.5	U
OU3-5DR	9/21/2010	0.5	U	0.5	U	0.5	U	0 5	U
OU3-5DR	3/16/2011	0.5	U	0.5	U	0.5	U	0.5	U
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		55		14		22	
OU3-6M	3/9/2004	1.9		46		10		21	
OU3-6M	3/9/2004	2 2		52		11		24	
OU3-6M	9/13/2004	0.34	J	11		2.4		4.8	
OU3-6M	9/13/2004	0.3	J	10		2.4		4 6	
OU3-6M	3/8/2005	1 5	J	41		9		22	
OU3-6M	9/28/2005	1.3		26		6.5		15	
OU3-6M	3/6/2006	0.9		16		4.3		10	
OU3-6M	9/7/2006	0.67		14		3.5		9.8	
OU3-6M	3/8/2007	0.61		11		2 6		7.2	
OU3-6M	9/12/2007	0.61		8.7		2.4		6 1	
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	U	1 2		0 28	J	0.92	
OU3-6M	9/24/2009	0.5	U	0.92		0.21	J	0.74	
OU3-6M	3/23/2010	0 5	U	1.3		0.5	U	0 83	
OU3-6M	9/22/2010	0.5	U	0.63		0.5	U	0.5	U
OU3-6M	3/14/2011	0.5	U	0 73		0.5	U	0 5	U
OU3-6D	4/22/2002	1	U	4		1	U	1	U
OU3-6D	6/28/2002	1	U	5		1	U	1	U
OU3-6D	9/13/2002	1	U	5		1	U	1	U
OU3-6D	12/20/2002	1	U	4	J	1	U	1	U
OU3-6D	3/6/2003	1	U	4		1	U	1	U
OU3-6D	9/6/2003	1	U	3		1	U	1	U
OU3-6D	3/9/2004	0.8	J	4 8		1	U	1	U
OU3-6D	9/13/2004	0.16	J	2.2		0.5	U	0.5	U
OU3-6D	3/8/2005	0.13	J	2.9		0.5	U	0.5	U
OU3-6D	3/7/2005	0.12	J	2.6		0.5	U	0 5	U
OU3-6D	9/28/2005	0.5	U	2.3		0.5	U	0 5	U
OU3-6D	9/28/2005	0.12	J	2 3		0.5	U	0.5	U
OU3-6D	3/6/2006	0.5	U	1.8		0.5	U	0 5	U
OU3-6D	3/6/2006	0 5	U	1 8		0.5	U	0.5	U
OU3-6D	9/7/2006	0.5	U	1 7		0.5	U	0.5	U
OU3-6D	9/7/2006	0 5	U	1.7		0.5	U	0 5	U
OU3-6D	3/8/2007	0.5	U	1 4		0.5	U	0.5	U
OU3-6D	3/8/2007	0 5	U	1.4		0.5	U	0.5	U
OU3-6D	9/12/2007	0.5	U	1 4		0.5	U	0 5	U
OU3-6D	9/12/2007	0 5	U	1 3		0.5	U	0.5	U
OU3-6D	3/14/2008	0.5	U	0 82		0.5	U	0.5	U
OU3-6D	3/14/2008	0.5	U	0 86		0.5	U	0.5	U
OU3-6D	9/18/2008	0 5	U	0.7		0 5	U	0 5	U
OU3-6D	9/18/2008	0.5	U	0.68		0.5	U	0.5	U
OU3-6D	3/6/2009	0.5	U	0.33	J	0.5	U	0.5	U
OU3-6D	3/6/2009	0.5	U	0.3	J	0 5	U	0.5	U
OU3-6D	9/24/2009	0.5	U	0.3	J	0.5	U	0.5	U
OU3-6D	9/24/2009	0.5	U	0.27	J	0.5	U	0.5	U
OU3-6D	3/23/2010	0.5	U	0.52		0.5	U	0.5	U
OU3-6D	9/22/2010	0.5	U	0.5	U	0.5	U	0.5	U
OU3-6D	3/14/2011	0 5	U	0 63		0.5	U	0.5	U
OU3-7S	4/23/2002	2		1	U	1	U	1	U
OU3-7S	6/26/2002	4		0 5	J	1	U	1	U
OU3-7S	9/10/2002	3		1		0.5	J	1	U
OU3-7S	12/18/2002	3		1		0.5	J	1	U
OU3-7S	3/4/2003	3		1		1	U	1	U
OU3-7S	9/4/2003	2.6		3 1		1	U	1	U
OU3-7S	3/5/2004	3.2		4.6		1	U	1	U
OU3-7S	9/10/2004	2.3		1 9		0.34	J	0.5	U
OU3-7S	3/11/2005	3.2		0 5		0.22	J	0.5	U
OU3-7S	9/25/2005	2.6		0 85		0.5	U	0.5	U
OU3-7S	3/7/2006	3 5		0.63		0.5	U	0.5	U
OU3-7S	9/8/2006	2.9		0.64		0.5	U	0.5	U

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-7S	3/9/2007	3.4		0 62		0 5	U	0.5	U
OU3-7S	9/11/2007	3.1		0.59		0.5	U	0.5	U
OU3-7S	3/12/2008	3.5		0.32	J	0 5	U	0.5	U
OU3-7S	9/16/2008	4 1		0.38	J	0.5	U	0.5	U
OU3-7S	3/5/2009	1 4		0.5	U	0.5	U	0.5	U
OU3-7S	9/23/2009	1.7		0.31	J	0.5	U	0.5	U
OU3-7S	3/18/2010	2.4		0 5	U	0.5	U	0 5	U
OU3-7S	9/16/2010	2.6		0 5	U	0.5	U	0 5	U
OU3-7S	3/10/2011	2 6		0.5	U	0.5	U	0.5	U
OU3-7M2	4/23/2002	1	U	7		1	U	1	U
OU3-7M2	6/26/2002	0.5	J	9		1	U	1	U
OU3-7M2	9/11/2002	0.5	J	6		1	U	1	U
OU3-7M2	12/18/2002	0 6	J	6		1	U	1	U
OU3-7M2	3/4/2003	0.6	J	6		1	U	1	U
OU3-7M2	9/5/2003	0 5	J	3.4		1	U	1	U
OU3-7M2	3/5/2004	1.5		7 2		1	U	1	U
OU3-7M2	9/10/2004	0.29	J	2.6		0.21	J	0.12	J
OU3-7M2	3/11/2005	0 99		3.5		0.18	J	0.5	U
OU3-7M2	9/27/2005	0.92		2.9		0 18	J	0.5	U
OU3-7M2	3/7/2006	1.2		3.2		0 5	U	0 5	U
OU3-7M2	9/8/2006	1.3		2 3		0.5	U	0 5	U
OU3-7M2	3/9/2007	1 2		2.5		0 5	U	0 5	U
OU3-7M2	9/11/2007	1.2		2		0 5	U	0 5	U
OU3-7M2	3/12/2008	1.3		1.6		0.5	U	0.5	U
OU3-7M2	9/16/2008	1.5		1.4		0.5	U	0.5	U
OU3-7M2	3/5/2009	0 49	J	0.51		0.5	U	0.5	U
OU3-7M2	9/23/2009	0.66		0 62		0.5	U	0.5	U
OU3-7M2	3/18/2010	0.99		1 4		0.5	U	0 5	U
OU3-7M2	9/16/2010	1.2		1.2		0.5	U	0.5	U
OU3-7M2	3/10/2011	1 4		1 2		0 5	U	0 5	U
OU3-8S	6/25/2002	0.9	J	33		3		1	U
OU3-8S	9/10/2002	0.8	J	23		2		1	U
OU3-8S	12/17/2002	0.8	J	26		3		1	U
OU3-8S	3/3/2003	1		26		3		1	U
OU3-8S	9/5/2003	1	U	11		1.2		1	U
OU3-8S	9/5/2003	0.5	J	15		1 6		1	U
OU3-8S	3/3/2004	1 4		20		2.1		1	U
OU3-8S	9/10/2004	0.83		13		1.5		0.5	U
OU3-8S	3/15/2005	0.78		14		1 5		0 5	U
OU3-8S	9/21/2005	0.6		11		1 5		0.5	U
OU3-8S	3/3/2006	0.92		15		2.1		0.5	U
OU3-8S	9/13/2006	1.4		14		1.4		0.5	U
OU3-8S	3/12/2007	1 1		11		1.4		0.5	U
OU3-8S	9/10/2007	1.3		8.6		0.99		0.5	U
OU3-8S	3/13/2008	1.3		9.3		0 82		0.5	U
OU3-8S	9/17/2008	1.5		7.5		0.73		0.5	U
OU3-8S	3/4/2009	0.45	J	4		0.44	J	0.5	U
OU3-8S	9/22/2009	0 6		3.3		0 43	J	0.5	U
OU3-8S	3/19/2010	1		8.9		1.2		0 5	U
OU3-8S	9/17/2010	1		8.2		1.1		0.5	U
OU3-8S	3/11/2011	0.91		11		1 5		0 5	U
OU3-8M2	6/25/2002	0.7	J	49		3		1	U
OU3-8M2	9/11/2002	0.6	J	37		2		1	U
OU3-8M2	12/17/2002	0.7	J	68		2		1	U
OU3-8M2	3/4/2003	1	U	45		2		1	U
OU3-8M2	9/5/2003	1	U	38		1.5		1	U
OU3-8M2	3/3/2004	1.1		34		1.8		1	U
OU3-8M2	9/10/2004	0 23	J	10		0.5	U	0 5	U
OU3-8M2	3/14/2005	0 39	J	26		1.2		0.5	U
OU3-8M2	9/27/2005	0.7		32		1.9		0.5	U
OU3-8M2	3/3/2006	0 82		12	D	2.6		0.5	U
OU3-8M2	9/13/2006	0 93		42	D	2.8		0.5	U
OU3-8M2	3/12/2007	0.75		23	D	2.4		0.24	J
OU3-8M2	9/10/2007	0.71		30	D	2.2		0.16	J
OU3-8M2	3/13/2008	0.65		24	D	1.4		0 5	U
OU3-8M2	9/17/2008	0 91		27	D	1.8		0.5	U
OU3-8M2	3/4/2009	0.3	J	11		0.89		0 5	U
OU3-8M2	9/22/2009	0.44	J	14		1 3		0.5	U
OU3-8M2	3/19/2010	0.69		23		2.3		0 5	U
OU3-8M2	9/17/2010	0.97		33		3.4		0.5	U
OU3-8M2	3/11/2011	0.97		29		3.6		0.5	U
OU3-8D	6/26/2002	1	U	1	U	1	U	1	U
OU3-8D	9/11/2002	1	U	1	U	1	U	1	U
OU3-8D	12/17/2002	1	U	1	U	1	U	1	U
OU3-8D	3/4/2003	1	U	1	U	1	U	1	U
OU3-8D	9/5/2003	1	U	1	U	1	U	1	U
OU3-8D	3/3/2004	0.9	J	2 5		1	U	1	U
OU3-8D	9/10/2004	0.5	U	0 19	J	0.5	U	0.5	U
OU3-8D	3/14/2005	0 5	U	0.5	U	0.5	U	0.5	U
OU3-8D	9/27/2005	0.5	U	0.075	J	0.5	U	0.5	U
OU3-8D	3/3/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-8D	9/13/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-8D	3/12/2007	0 5	U	0.5	U	0.5	U	0.5	U
OU3-8D	9/10/2007	0.5	U	0.5	U	0.5	U	0.5	U
OU3-8D	3/13/2008	0.5	U	0.5	U	0.5	U	0.5	U
OU3-8D	9/17/2008	0.5	U	0.5	U	0.5	U	0.5	U
OU3-8D	3/4/2009	0 5	U	0.5	U	0.5	U	0.5	U
OU3-8D	9/22/2009	0.5	U	0.5	U	0.5	U	0.5	U

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-8D	3/19/2010	0.5	U	0.5	U	0.5	U	0 5	U
OU3-8D	3/11/2011	0.5	U	0.5	U	0.5	U	0 5	U
OU3-9S	6/25/2002	1		0.6	J	1	U	1	U
OU3-9S	9/10/2002	2		0.6	J	1	U	1	U
OU3-9S	12/17/2002	2		0 7	J	1	U	1	U
OU3-9S	3/3/2003	2		0.6	J	1	U	1	U
OU3-9S	9/4/2003	1.8		1.7		1	U	1	U
OU3-9S	3/5/2004	3 1		6.6		0.5	J	1	U
OU3-9S	9/13/2004	3.2		1.9		0.47	J	0 5	U
OU3-9S	3/14/2005	3 2		0 72		0.31	J	0.5	U
OU3-9S	9/21/2005	1 7		0.51		0.5	U	0.5	U
OU3-9S	3/27/2006	3.1		0 73		0.5	U	0 5	U
OU3-9S	9/13/2006	3		1 2		0 5	U	0.5	U
OU3-9S	3/7/2007	2.7		0.73		0.5	U	0 5	U
OU3-9S	9/10/2007	2.5		0.61		0.5	U	0 5	U
OU3-9S	3/13/2008	2 7		0.57		0.5	U	0.5	U
OU3-9S	9/17/2008	2.7		0.4	J	0 5	U	0.5	U
OU3-9S	3/5/2009	1.1		0.28	J	0 5	U	0.5	U
OU3-9S	9/23/2009	1.5		0.31	J	0.5	U	0.5	U
OU3-9S	3/19/2010	2.4		0.5	U	0.5	U	0.5	U
OU3-9S	9/17/2010	2.2		0.5	U	0.5	U	0.5	U
OU3-9S	3/11/2011	1.9		0.5	U	0.5	U	0.5	U
OU3-9M2	3/24/2003	1.7		7.9		1	U	1	U
OU3-9M2	6/6/2003	1.7		8		1	U	1	U
OU3-9M2	9/7/2003	1.6		5.3		1	U	1	U
OU3-9M2	12/4/2003	2		8.2		0.6	J	1	U
OU3-9M2	3/5/2004	2.9		11		0 8	J	1	U
OU3-9M2	3/5/2004	2 9		11		0 8	J	1	U
OU3-9M2	9/13/2004	0.8		3.8		0.49	J	0 5	U
OU3-9M2	9/13/2004	0.65		3 9		0 5		0.5	U
OU3-9M2	3/14/2005	2.6		4.4		0.57		0.5	U
OU3-9M2	3/14/2005	3.1		5.3		0 61		0.5	U
OU3-9M2	9/26/2005	2 8		3.6		0.57		0.5	U
OU3-9M2	9/26/2005	2.8		3.7		0.57		0.5	U
OU3-9M2	3/27/2006	3.1		4.2		0.56		0 5	U
OU3-9M2	3/27/2006	3.4		4.7		0 64		0 5	U
OU3-9M2	9/13/2006	3.6		4		0.72		0 5	U
OU3-9M2	9/13/2006	4.1		4 3		0 76		0.5	U
OU3-9M2	3/7/2007	3 5		3.9		0.67		0.5	U
OU3-9M2	3/7/2007	3 7		4.2		0.7		0.5	U
OU3-9M2	9/10/2007	3.7		3 2		0.72		0.5	U
OU3-9M2	9/10/2007	3.9		3.5		0 74		0 5	U
OU3-9M2	3/13/2008	4.1		2 5		0 46	J	0.5	U
OU3-9M2	3/13/2008	4.2		2 6		0.48	J	0.5	U
OU3-9M2	9/17/2008	4.2		2 3		0.45	J	0 5	U
OU3-9M2	3/5/2009	1.5		1		0.5	U	0 5	U
OU3-9M2	9/23/2009	1.7		1		0.23	J	0 5	U
OU3-9M2	3/19/2010	2.7		2		0.5	U	0 5	U
OU3-9M2	9/17/2010	2.6		2		0.5	U	0.5	U
OU3-9M2	3/11/2011	2.4		2		0.5	U	0 5	U
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		230		45		33	
OU3-10M	9/2/2004	0.58		18		5.9		2 3	
OU3-10M	3/7/2005	10		260		53		36	
OU3-10M	9/27/2005	5.6		130		32		25	
OU3-10M	3/10/2006	6.8		110	D	30	D	28	J
OU3-10M	9/8/2006	6 1		130	D	29	D	25	D
OU3-10M	3/9/2007	4 4		90	D	21	D	19	
OU3-10M	9/14/2007	4.2		86	D	23	D	19	D
OU3-10M	3/19/2008	4.3		97	D	20	D	16	
OU3-10M	9/23/2008	3.2		61	D	15		14	
OU3-10M	3/11/2009	0.88		18	D	3.9		4.2	
OU3-10M	9/29/2009	0.78		15		3.6		4	
OU3-10M	3/22/2010	0.86		21		5		5 5	
OU3-10M	9/20/2010	0.74		15		3.5		5	
OU3-10M	3/15/2011	0.5	U	7.9		2		2.7	
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		130		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		43	
OU3-10M2	3/10/2006	6.6		110	D	26	D	31	J
OU3-10M2	9/8/2006	8		180	D	37	D	38	D
OU3-10M2	3/9/2007	6.4		110	D	23	D	25	D
OU3-10M2	9/14/2007	5.9		130	D	30	D	39	D
OU3-10M2	3/19/2008	6		130	D	27	D	34	D
OU3-10M2	9/23/2008	5.3		120	D	24	D	36	D
OU3-10M2	3/11/2009	1.5		46	D	7 8		11	
OU3-10M2	9/29/2009	1.5		35	D	7.3		9.9	
OU3-10M2	3/22/2010	2.4		65	M2	14		18	
OU3-10M2	9/20/2010	1.6		38		9 7		13	
OU3-10M2	9/20/2010	1.7		38		9.6		13	

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-10M2	3/15/2011	1.5		35		7 5		11	
OU3-11S	4/3/2003	1.8		1	U	1	U	1	U
OU3-11S	6/2/2003	1		1	U	1	U	1	U
OU3-11S	9/7/2003	2.4		15		0.8	J	1	U
OU3-11S	12/4/2003	1.4		5.1		1	U	1	U
OU3-11S	3/10/2004	1 4		2 6		1	U	1	U
OU3-11S	9/9/2004	1.5		0.28	J	0.5	U	0.22	J
OU3-11S	3/10/2005	0.5	U	0.5	UJ	0 5	U	0.5	U
OU3-11S	9/23/2005	1 6		0.73		0.5	U	0.5	U
OU3-11S	3/10/2006	3.2		0.65		0.5	U	0.29	J
OU3-11S	9/6/2006	2 5		0 5	U	0.5	U	0 5	U
OU3-11S	3/5/2007	1.6		0 5	U	0.5	U	0.5	U
OU3-11S	9/7/2007	1.7		0.5	U	0.5	U	0.5	U
OU3-11S	3/10/2008	1 1		0.11	J	0.11	J	0 5	U
OU3-11S	9/15/2008	1.4		0 18	J	0.13	J	0.13	J
OU3-11S	3/3/2009	0 45	J	0 5	U	0.5	U	0 5	U
OU3-11S	9/21/2009	0.88		0 5	U	0 5	U	0.5	U
OU3-11S	3/16/2010	1		0 5	U	0.5	U	0 5	U
OU3-11S	9/14/2010	1.4		0.5	U	0.5	U	0.5	U
OU3-11S	3/8/2011	1.6		0.5	U	0.5	U	0.5	U
OU3-11M	5/6/2003	1	U	1	U	1	U	1	U
OU3-11M	5/6/2003	1	U	1	U	1	U	1	U
OU3-11M	6/4/2003	1	U	1	U	1	U	1	U
OU3-11M	9/9/2003	1	U	1.7		1	U	1	U
OU3-11M	9/9/2003	1	U	1.8		1	U	1	U
OU3-11M	12/4/2003	0.6	J	5 1		1	U	1	U
OU3-11M	3/10/2004	0.8	J	1.8		1	U	1	U
OU3-11M	9/9/2004	0.18	J	0 69		0.15	J	0.5	U
OU3-11M	3/10/2005	0 5	UJ	0.5	UJ	0 5	U	0.5	U
OU3-11M	9/23/2005	0.22	J	0.23	J	0 5	U	0 5	U
OU3-11M	3/10/2006	0.37	J	0.34	J	0.5	U	0 12	J
OU3-11M	9/6/2006	0.5	U	0.5	U	0 5	U	0.5	U
OU3-11M	3/5/2007	0 5	U	0.5	U	0.32	J	0.5	U
OU3-11M	9/7/2007	0.5	U	0 5	U	0.27	J	0.5	U
OU3-11M	3/10/2008	0 14	J	0.14	J	0 19	J	0 5	U
OU3-11M	9/15/2008	0.16	J	0.2	J	0.29	J	0 5	U
OU3-11M	3/3/2009	0.5	U	0.5	U	0 5	U	0.5	U
OU3-11M	9/21/2009	0.5	U	0.5	U	0 5	U	0 5	U
OU3-11M	3/16/2010	0 5	U	0.5	U	0.5	U	0.5	U
OU3-11M	9/14/2010	0.5	U	0 5	U	0.5	U	0.5	U
OU3-11M	3/8/2011	0.5	U	0.5	U	0 5	U	0 5	U
OU3-11M2	4/4/2003	1	U	0.9	J	1	U	1	U
OU3-11M2	6/4/2003	1	U	0 6	J	1	U	1	U
OU3-11M2	9/9/2003	1	U	1.2		1	U	1	U
OU3-11M2	12/4/2003	0.5	J	3.1		1	U	1	U
OU3-11M2	3/10/2004	0.9	J	2.5		1	U	1	U
OU3-11M2	9/9/2004	0.43	J	5 8		1 3		0.38	J
OU3-11M2	3/10/2005	0.5	U	0.5	UJ	0.5	U	0.5	U
OU3-11M2	3/10/2005	0.5	U	0 5	UJ	0.5	U	0.5	U
OU3-11M2	9/26/2005	0.078	J	0.29	J	0.27	J	0.5	U
OU3-11M2	9/26/2005	0.08	J	0.28	J	0 26	J	0 5	U
OU3-11M2	3/10/2006	0.5	U	0 17	J	0 5	U	0.5	U
OU3-11M2	3/10/2006	0.13	J	0.28	J	0.5	U	0.5	U
OU3-11M2	9/6/2006	0.5	U	0.5	U	0 47	J	0.5	U
OU3-11M2	9/6/2006	0.5	U	0 5	U	0.51		0 5	U
OU3-11M2	3/5/2007	0 5	U	0.29	J	0.45	J	0 5	U
OU3-11M2	3/5/2007	0.5	U	0.29	J	0.48	J	0.5	U
OU3-11M2	9/7/2007	0.5	U	0.33	J	0.5		0.5	U
OU3-11M2	9/7/2007	0 5	U	0.31	J	0.55		0.5	U
OU3-11M2	3/10/2008	0.5	U	0.22	J	0 34	J	0.5	U
OU3-11M2	3/10/2008	0.11	J	0.22	J	0.3	J	0.5	U
OU3-11M2	9/15/2008	0.12	J	0.29	J	0.45	J	0.5	U
OU3-11M2	9/15/2008	0.11	J	0 3	J	0 45	J	0 5	U
OU3-11M2	3/3/2009	0.5	U	0.5	U	0.5	U	0.5	U
OU3-11M2	3/3/2009	0.5	U	0.5	U	0.5	U	0.5	U
OU3-11M2	9/21/2009	0.5	U	0.5	U	0.22	J	0 5	U
OU3-11M2	9/21/2009	0.5	U	0.5	U	0.23	J	0.5	U
OU3-11M2	3/16/2010	0.5	U	0.5	U	0.5	U	0 5	U
OU3-11M2	9/14/2010	0.5	U	0.5	U	0 5	U	0.5	U
OU3-11M2	3/8/2011	0 5	U	0.5	U	0.5	U	0.5	U
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	
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		10	
OU3-12M	3/27/2006	1.2		13		3.4		9.1	
OU3-12M	9/12/2006	1.3		16		4.1		12	
OU3-12M	3/6/2007	0 88		9.8		2.4		7.5	
OU3-12M	9/6/2007	0.76		7.7		1.9		8 2	
OU3-12M	3/14/2008	0.72		7.1		1.7		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	

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-12M	3/18/2010	0.5	U	2 7		0.78		2.1	
OU3-12M	9/15/2010	0.5	U	1.8		0.53		1 3	
OU3-12M	3/9/2011	0.5	U	1.8		0.5	U	0.94	
OU3-12D	5/5/2003	1	U	4.7	J	1	U	1	U
OU3-12D	6/4/2003	1	U	4.3		1	U	1	U
OU3-12D	6/4/2003	1	U	4.4		1	U	1	U
OU3-12D	9/8/2003	1	U	6.4		1	U	1	U
OU3-12D	12/2/2003	0.5	J	5.4		1	U	1	U
OU3-12D	12/2/2003	0.5	J	5 5		1	U	1	U
OU3-12D	3/8/2004	0.8	J	4.3		1	U	1	U
OU3-12D	9/3/2004	0.5	U	0.84		0.12	J	0.5	U
OU3-12D	3/15/2005	0.5	U	1		0 5	U	0.5	U
OU3-12D	9/26/2005	0.5	U	0 51		0.5	U	0.5	U
OU3-12D	3/27/2006	0 5	U	0.88		0.5	U	0.5	U
OU3-12D	9/12/2006	0.5	U	0 61		0.5	U	0.5	U
OU3-12D	3/6/2007	0.5	U	0.45	J	0.5	U	0.5	U
OU3-12D	9/6/2007	0.5	U	0 57		0 5	U	0 5	U
OU3-12D	3/14/2008	0.5	U	0.26	J	0.5	U	0.5	U
OU3-12D	9/15/2008	0.5	U	0.25	J	0 5	U	0.5	U
OU3-12D	3/11/2009	0.5	U	0.5	U	0.5	U	0 5	U
OU3-12D	9/24/2009	0.5	U	0.5	U	0.5	U	0.5	U
OU3-12D	3/18/2010	0.5	U	0.5	U	0.5	U	0.5	U
OU3-12D	9/15/2010	0 5	U	0 5	U	0.5	U	0.5	U
OU3-12D	3/9/2011	0.5	U	0.5	U	0.5	U	0.5	U
OU3-13M	5/22/2003	1 1		160		7 2		1	U
OU3-13M	6/3/2003	1.2		130		6.9		1	U
OU3-13M	9/8/2003	1 6		150		8.7		0.7	J
OU3-13M	12/2/2003	1.2		68		6.3		0.6	J
OU3-13M	3/8/2004	1.8		93		6 6		1	U
OU3-13M	9/7/2004	0.73		50		4.8		0.42	J
OU3-13M	3/10/2005	1		79		5		0.5	UJ
OU3-13M	9/25/2005	1.1		68		5		0.5	U
OU3-13M	3/8/2006	1.2		54	D	5.7		0 27	J
OU3-13M	9/12/2006	1		73	D	5 6		0.5	U
OU3-13M	3/6/2007	1		54	D	4.5		0 33	J
OU3-13M	9/13/2007	0.98		59	D	5.5		0.31	J
OU3-13M	3/12/2008	0.83		53	D	4.1		0 5	U
OU3-13M	9/22/2008	1 1		60	D	4.6		0 24	J
OU3-13M	3/10/2009	0 33	J	26	D	1 7		0.5	U
OU3-13M	9/21/2009	0 54		47	D	2.4		0.5	U
OU3-13M	3/25/2010	1.1		51		4.3		0.5	U
OU3-13M	9/23/2010	0.59		36		3 2		0 5	U
OU3-13M	3/17/2011	0.5	U	25		2.4		0.5	U
OU3-13M	3/17/2011	0.55		24		2 4		0.5	U
OU3-13D	5/22/2003	1	U	2		1	U	1	U
OU3-13D	6/5/2003	1	U	1 1		1	U	1	U
OU3-13D	9/9/2003	1	U	2.1		1	U	1	U
OU3-13D	12/2/2003	0.5	J	5.3		1	U	0.8	J
OU3-13D	3/8/2004	1		3.5		1	U	1	U
OU3-13D	9/7/2004	0.11	J	1 1		0.38	J	0.5	U
OU3-13D	3/10/2005	0.5	U	0.5	UJ	0.5	U	0 5	U
OU3-13D	9/28/2005	0.5	U	0 047	J	0.5	U	0.5	U
OU3-13D	3/8/2006	0.5	U	0.5	U	0 5	U	0.5	U
OU3-13D	9/12/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-13D	3/6/2007	0.5	U	0 5	U	0.5	U	0.5	U
OU3-13D	9/13/2007	0 5	U	0.25	J	0.5	U	0.5	U
OU3-13D	3/12/2008	0.5	U	0 5	U	0.5	U	0.5	U
OU3-13D	9/22/2008	0 5	U	0.5	U	0.5	U	0 5	U
OU3-13D	3/12/2008	0.5	U	0 5	U	0.5	U	0.5	U
OU3-13D	9/22/2008	0 5	U	0.5	U	0.5	U	0 5	U
OU3-13D	3/10/2009	0.5	U	0 5	U	0.5	U	0 5	U
OU3-13D	9/21/2009	0.5	U	0 5	U	0.5	U	0.5	U
OU3-13D	3/25/2010	0.5	U	0 5	U	0.5	U	0.5	U
OU3-13D	9/23/2010	0 5	U	0 5	U	0 5	U	0 5	U
OU3-13D	3/17/2011	0.5	U	0 5	U	0.5	U	0.5	U
OU3-14M	3/14/2003	1	U	2.3		1	U	1	U
OU3-14M	6/2/2003	1	U	0.8	J	1	U	1	U
OU3-14M	9/9/2003	1	U	1.7		1	U	1	U
OU3-14M	12/3/2003	1.3		19		1.1		1	U
OU3-14M	3/8/2004	1.3		7.7		1	U	1	U
OU3-14M	9/7/2004	0.28	J	10		2.1		0.32	J
OU3-14M	3/11/2005	0 82		0.28	J	0.5	U	0.5	U
OU3-14M	9/23/2005	0.84		0.38	J	0.5	U	0.5	U
OU3-14M	3/8/2006	1		0.73		0 5	U	0 5	U
OU3-14M	9/11/2006	0.93		0.65		0.5	U	0.5	U
OU3-14M	3/7/2007	0 76		0.27	J	0.5	U	0.5	U
OU3-14M	9/6/2007	0.81		0 5	U	0.5	U	0.5	U
OU3-14M	3/10/2008	0.72		0.5	U	0.5	U	0.5	U
OU3-14M	9/16/2008	0.86		0.5	U	0.5	U	0.5	U
OU3-14M	3/6/2009	0 22	J	0 5	U	0.5	U	0.5	U
OU3-14M	9/25/2009	0.36	J	0.5	U	0.5	U	0 5	U
OU3-14M	3/17/2010	0 5	U	0.5	U	0.5	U	0.5	U
OU3-14M	9/15/2010	0.5	U	0.5	U	0.5	U	0.5	U
OU3-14M	3/9/2011	0.5	U	0.5	U	0 5	U	0.5	U
OU3-14D	3/13/2003	1	U	1	U	1	U	1	U
OU3-14D	6/4/2003	1	U	1	U	1	U	1	U
OU3-14D	9/9/2003	1	U	2 5		1	U	1	U
OU3-14D	12/3/2003	1 1		22		1.7		0 6	J
OU3-14D	3/9/2004	1.2		6 5		1	U	0.6	J
OU3-14D	9/7/2004	0.5	U	1.4		0.12	J	0 5	U

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

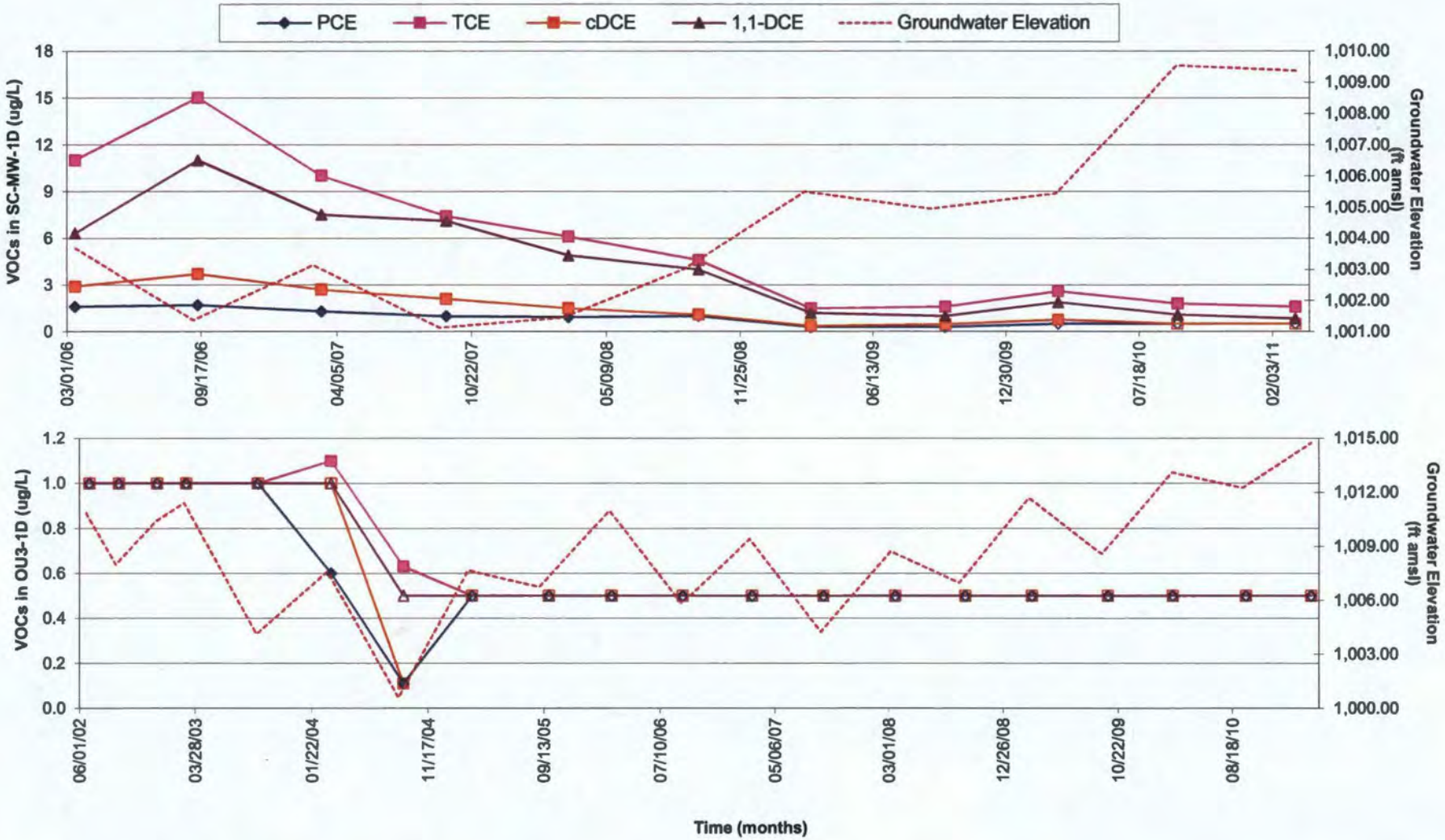
Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-14D	3/8/2005	0 5	U	0 5	U	0 5	U	0.5	U
OU3-14D	9/26/2005	0.5	U	0 5	U	0.5	U	0.5	U
OU3-14D	3/8/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-14D	9/11/2006	0.5	U	0.5	U	0.5	U	0.5	U
OU3-14D	3/7/2007	0 5	U	0.5	U	0 5	U	0.5	U
OU3-14D	9/6/2007	0.5	U	0.5	U	0.5	U	0.5	U
OU3-14D	3/10/2008	0.5	U	0 5	U	0 5	U	0.5	U
OU3-14D	9/16/2008	0.5	U	0 5	U	0.5	U	0.5	U
OU3-14D	3/6/2009	0.5	U	0 5	U	0.5	U	0.5	U
OU3-14D	9/25/2009	0.5	U	0.5	U	0.5	U	0.5	U
OU3-14D	3/17/2010	0 5	U	0 5	U	0.5	U	0 5	U
OU3-14D	9/15/2010	0 5	U	0.5	U	0.5	U	0.5	U
OU3-14D	3/9/2011	0 5	U	0.5	U	0 5	U	0.5	U
SC-MW-1D	3/13/2006	1 6		11		2.9		6.3	
SC-MW-1D	9/12/2006	1.7		15		3.7		11	
SC-MW-1D	3/13/2007	1.3		10		2.7		7.5	
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		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	0.5	U	2.6		0.77		1 9	
SC-MW-1D	9/15/2010	0 5	U	1.8		0 5	U	1.1	
SC-MW-1D	3/9/2011	0.5	U	1.6		0.5	U	0.84	
SC-MW-5	12/13/2002	3		90		23			
EW-22D	9/28/2001	1	U	1	U	1	U		
EW-22S	3/7/2003	9		260		30			
EW-22S	9/18/2002	11		240		30			
EW-M	6/1/2000	19		330		75			
EW-M	9/19/2002	13		280		50			
EW-N	9/11/2003	0.6	J	20		1.7			
EW-S	1/11/2001	19		390		80			
INTER-TEL MW-1	6/25/2002	1	U	1	UJ	1	UJ		
INTER-TEL MW-1	9/10/2002	0 5	J	0 9	J	1	UJ		
NW-3	6/27/2002	16		430		90			
NW-5S	9/11/2003	7.2		190		43			
	4/24/2003	1	U	1.4		1	U		
	4/24/2003	1	U	1.1		1	U		
	10/15/2010	4.1		91		21			
	10/15/2010	2 5		64		16			
	10/15/2010	2 3		62		14			
	2/6/2002	0 8	J	25		2			
	2/7/2002	2		65		5			
	2/7/2002	2		58		8			
	2/8/2002	1	U	7		1	U		
	2/8/2002	1	U	1	U	1	U		
	2/14/2002	19	J	330	J	50	J		
	2/15/2002	1	U	3		0.5	J		
	4/18/2002	14		400		66			
	2/26/2002	1	U	4		1	U		
	2/27/2002	1	U	2		1	U		
	2/27/2002	1	U	3		1	U		
	2/28/2002	1	U	2		1	U		
	3/12/2002	3		0 8	J	1	U		
	3/12/2002	3		0 7	J	1	U		
	3/12/2002	1		0.6	J	1	U		
	3/13/2002	1		1	U	1	U		
	3/14/2002	1	U	1	U	1	U		
	3/13/2002	1		1	U	1	U		
	3/14/2002	1	U	1	U	1	U		
	3/14/2002	1	U	1	U	1	U		
	3/5/2002	3		140		10			
	3/6/2002	6		170		21			
	3/6/2002	4		160		14			
	3/7/2002	1	U	2		1	U		
	3/7/2002	1	U	2		1	U		
	2/18/2002	2		88		17			
	2/18/2002	2		87		16			
	2/18/2002	2		79		17			
	2/19/2002	2		60		17			
	2/19/2002	1	U	14		1			
	3/19/2002	3		0.7	J	1	U		
	3/19/2002	1		1		1	U		
	3/20/2002	0.6	J	10		1	U		
	3/22/2002	2		42		5			
	3/23/2002	1		43		5			
	3/23/2002	1		72		3			
	3/23/2002	1	U	5		1	U		
	3/24/2002	1	U	2		1	U		
	3/26/2002	1		1		1	U		
	3/26/2002	1		3		0.5	J		
	3/27/2002	1		9		1	U		
	3/27/2002	0 9	J	25		1	U		
OU3-5D	6/28/2002	1	U	1	U	1	U		
OU3-5D	9/12/2002	1	U	1	U	1	U		
OU3-5D	12/19/2002	1	U	1	U	1	U		
OU3-5D	3/6/2003	1	U	1	U	1	U		
OU3-5D	6/5/2003	1	U	1	U	1	U		
OU3-5D	6/5/2003	1	U	1	U	1	U		

Table D-2

March 2011 Groundwater Sampling Event
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

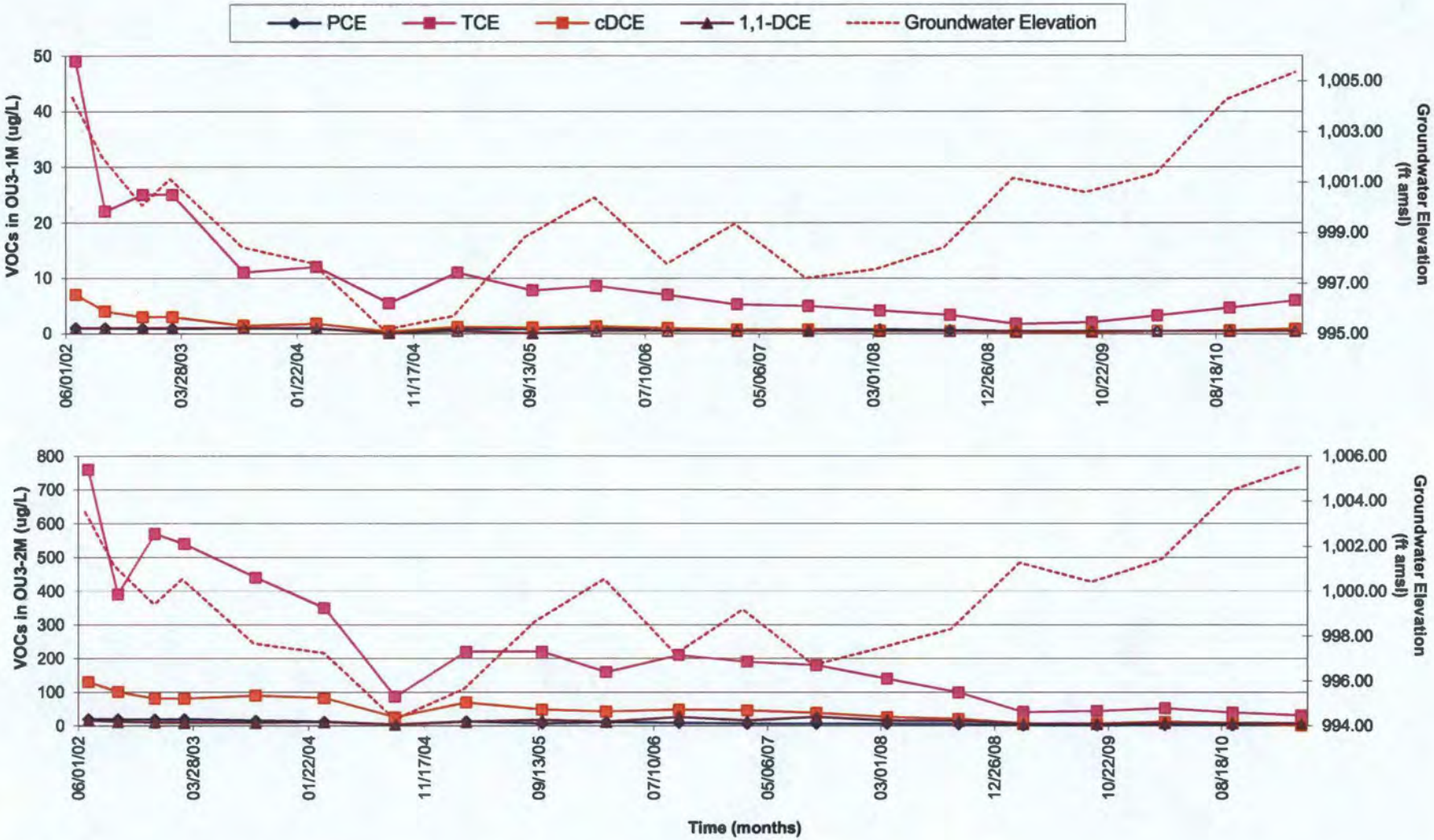
Well	Measurement Date	PCE ug/L		TCE ug/L		cDCE ug/L		1,1-DCE ug/L	
		Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier	Report Result	Lab Qualifier
OU3-5D	8/11/2003	2	U	2	U	2	U		
OU3-5D	4/19/2002	1	U	1	U	1	U		
OU3-5M	6/28/2002	6		190		23			
OU3-5M	6/28/2002	7		210		24			
OU3-5M	9/12/2002	6		100		20	J		
OU3-5M	9/12/2002	6		140		30	J		
OU3-5M	12/19/2002	4		160		22			
OU3-5M	12/19/2002	4		160		22			
OU3-5M	3/6/2003	4		130		20			
OU3-5M	3/6/2003	5		130		20			
OU3-5M	6/3/2003	1.5		110		8.8			
OU3-5M	8/11/2003			64		14			
OU3-5M	4/19/2002	5		180		23			
OU3-5S	4/18/2002	3		64		13			
OU3-5S	6/28/2002	2		90		9			
OU3-5S	9/12/2002	2		39		10			
OU3-5S	12/19/2002	2		47		7			
OU3-5S	3/6/2003	2		37		6			
OU3-5S	6/3/2003	1 1		29		3.9			
OU3-5S	8/11/2003	2	U	18		4			

Appendix E
Time Concentration Graphs



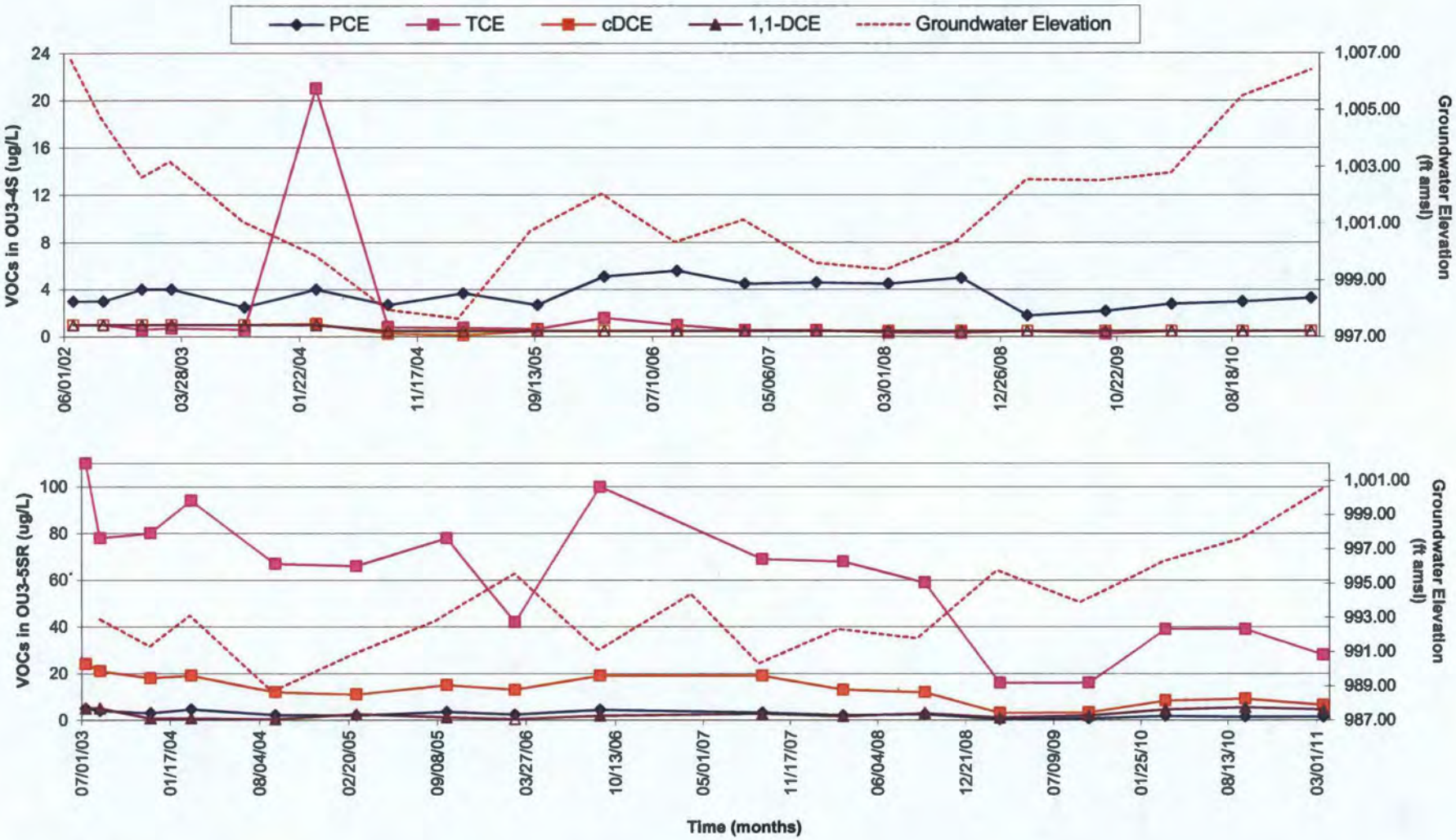
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
SC-MW-1D and OU3-1D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



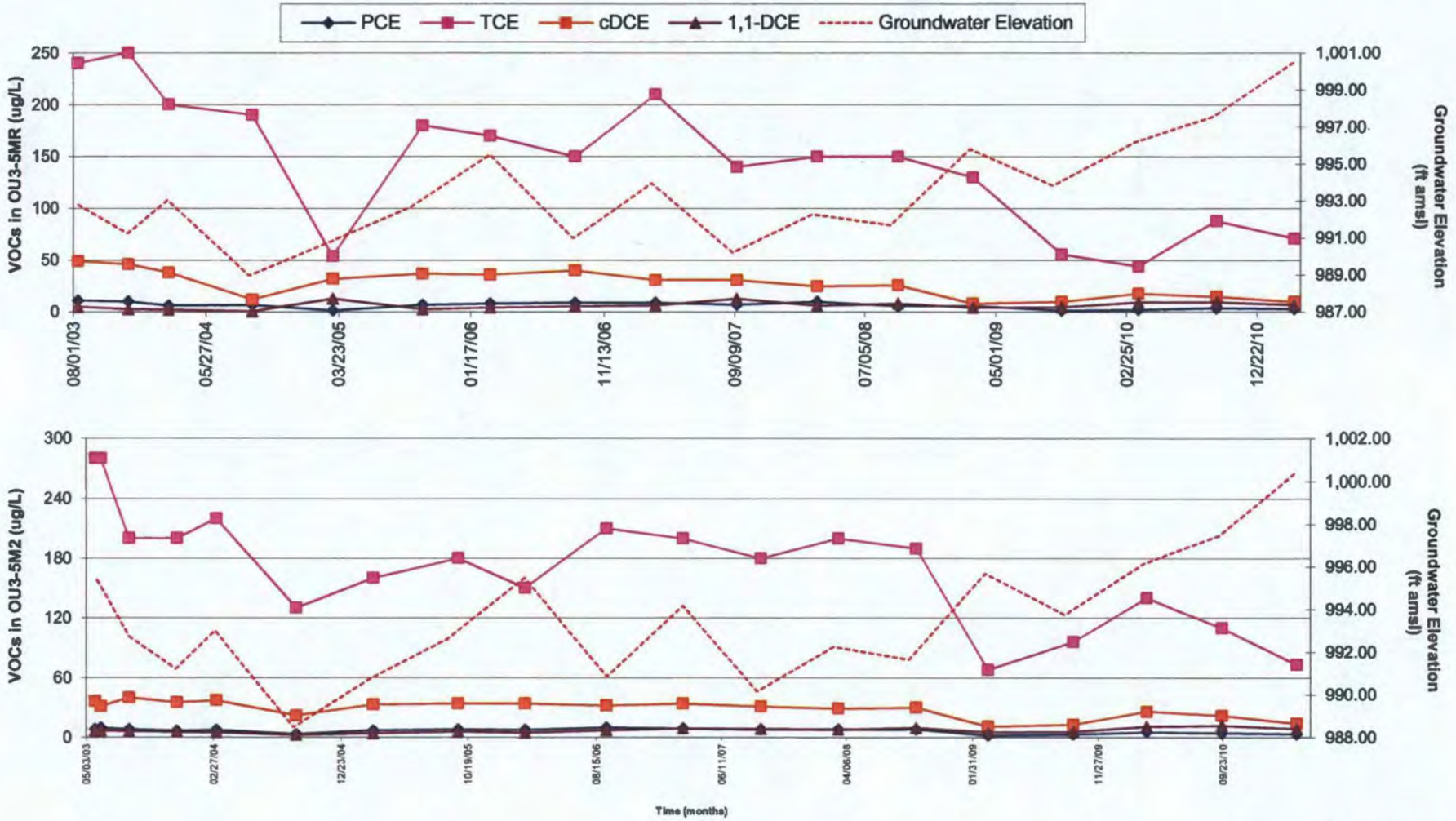
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-1M and OU3-2M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



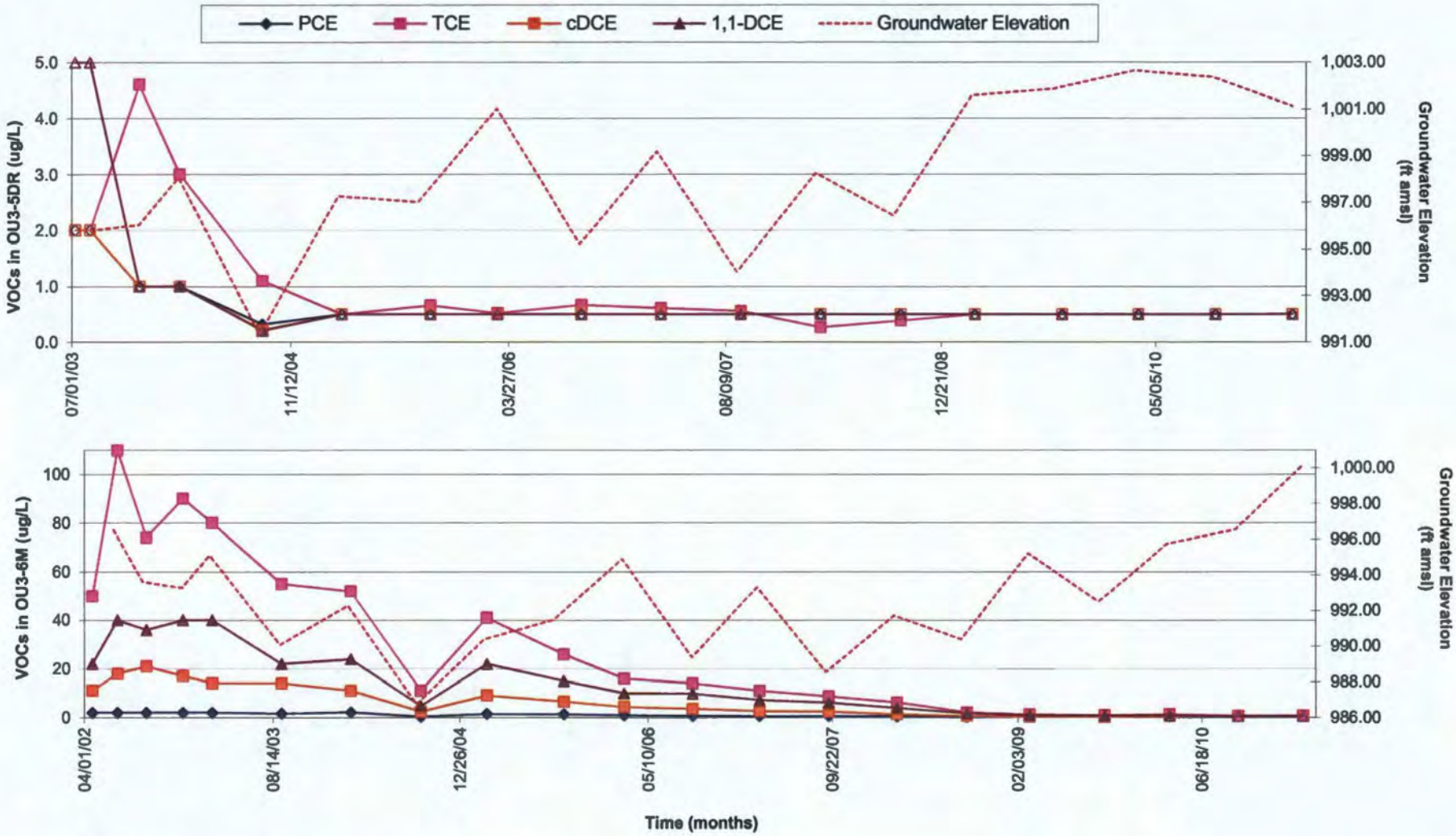
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-4S and OU3-5SR
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



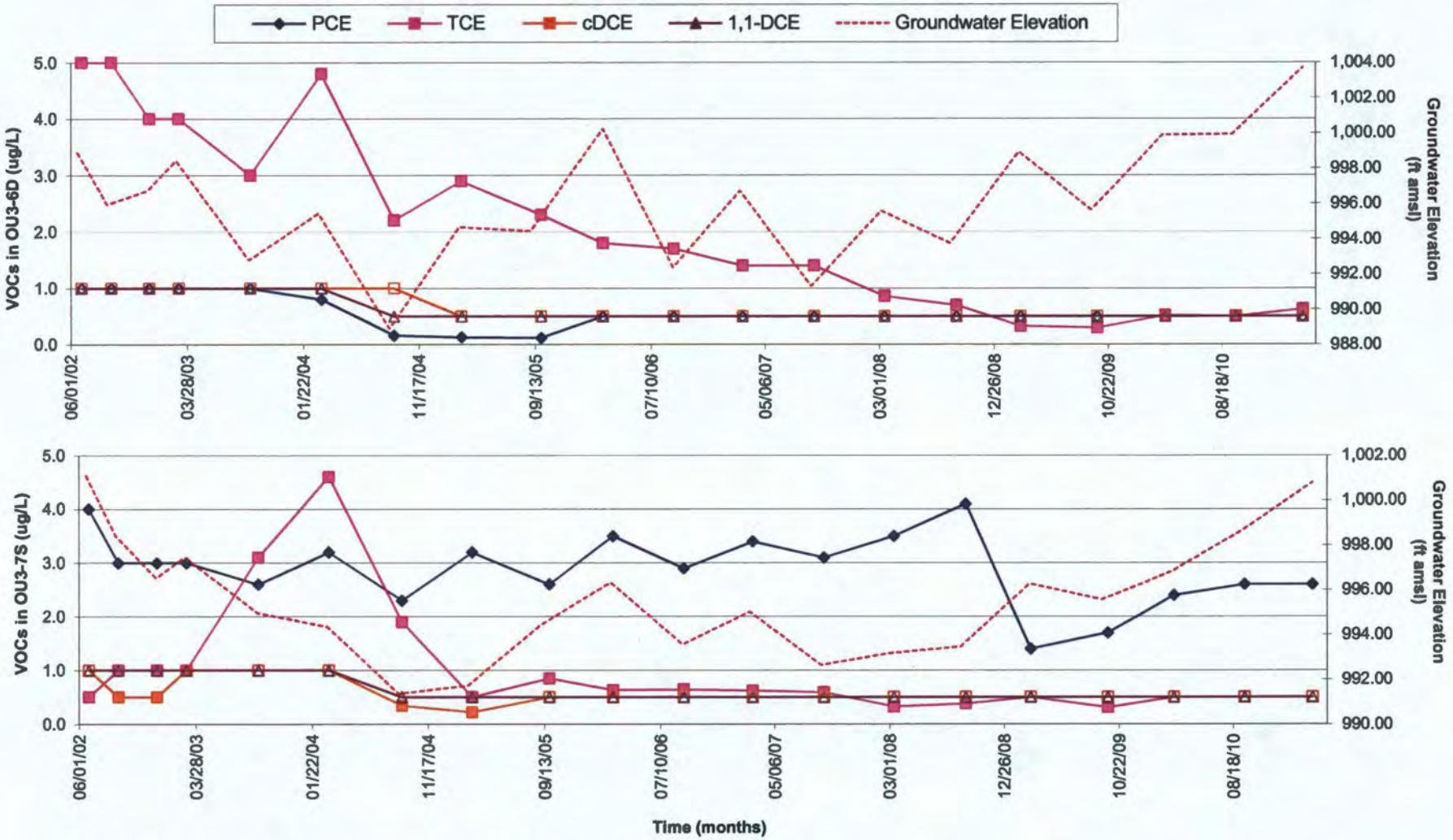
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-5MR and OU3-5M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



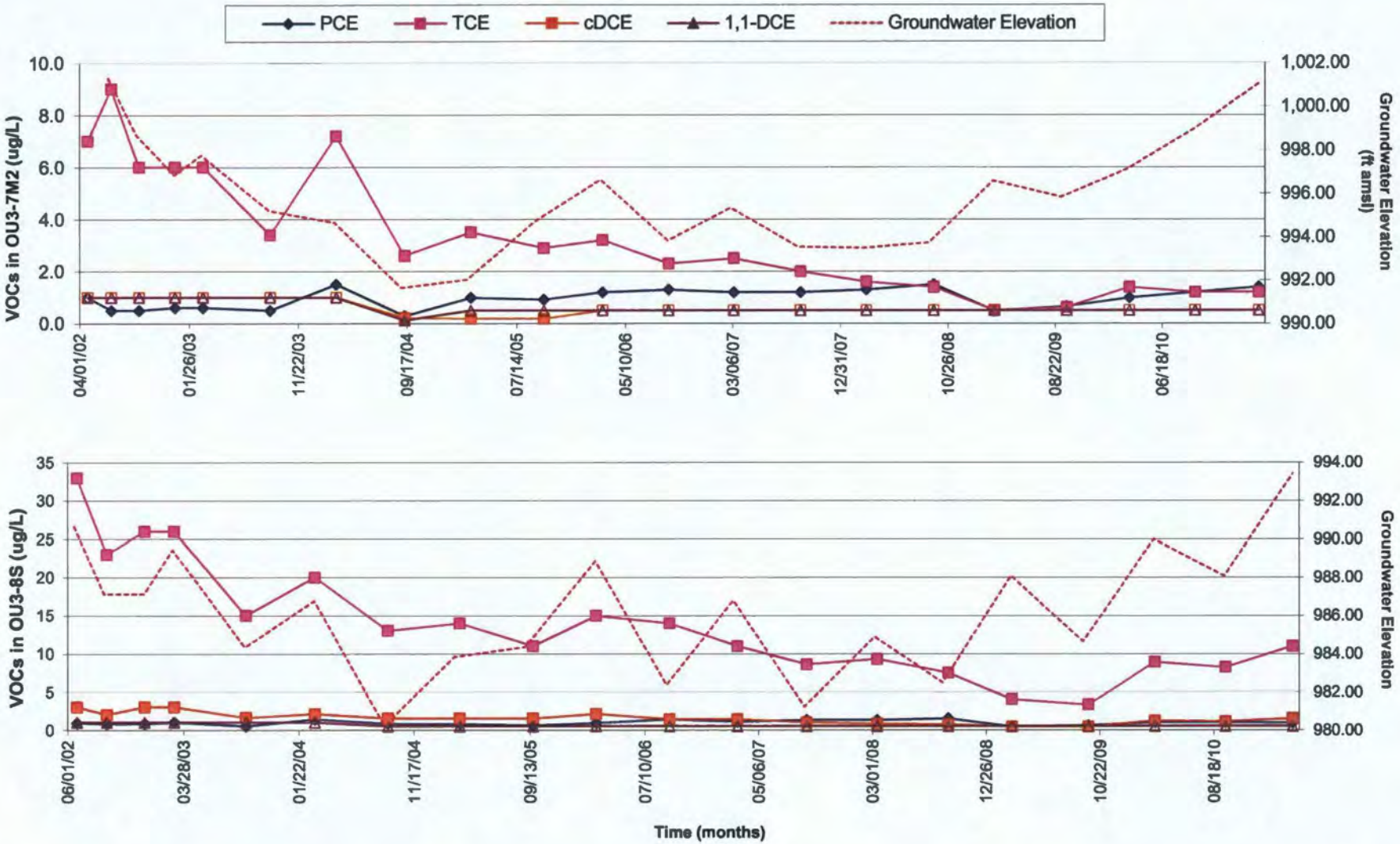
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-5DR and OU3-6M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



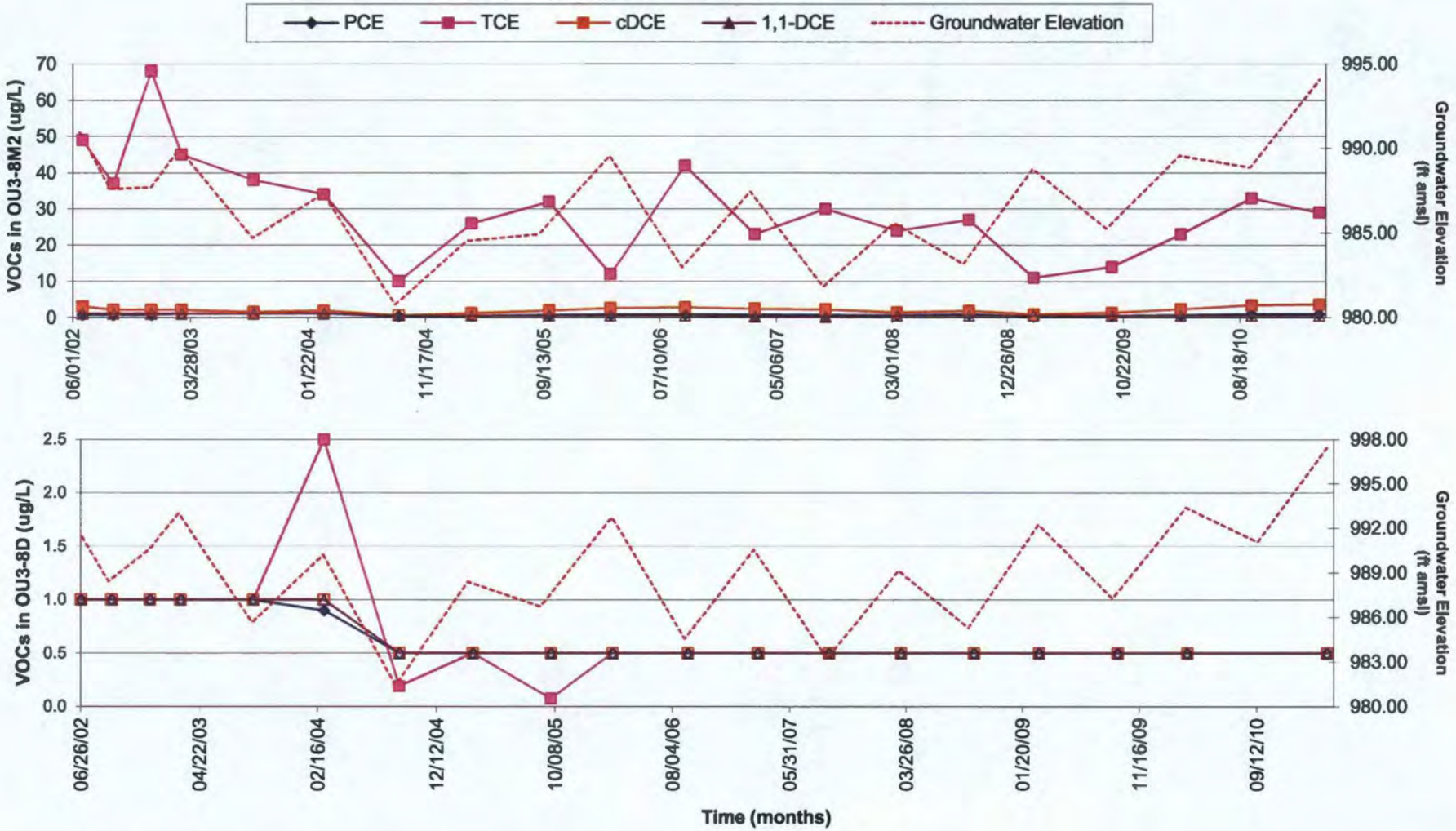
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-6D and OU3-7S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



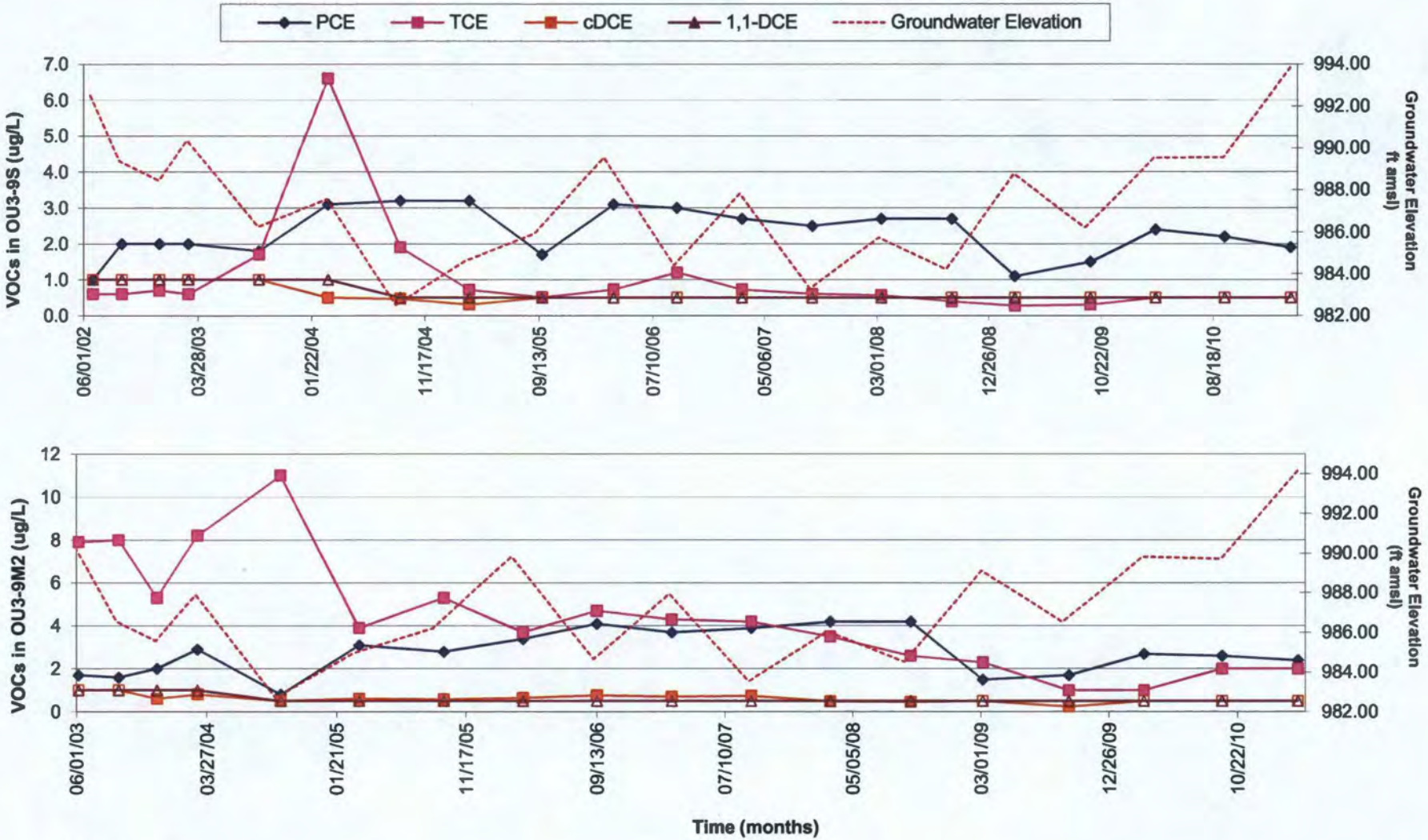
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-7M2 and OU3-8S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



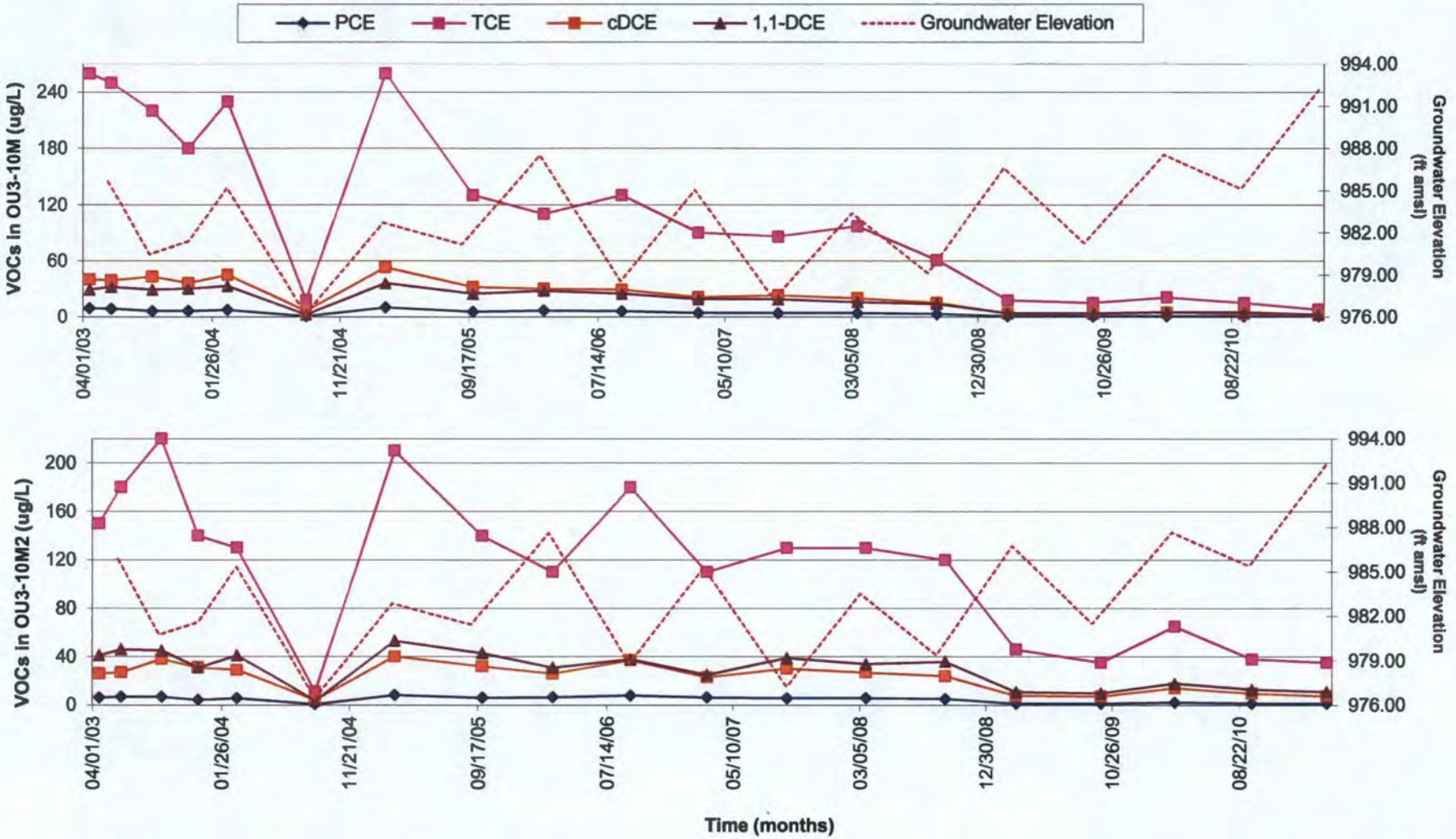
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-8M2 and OU3-8D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



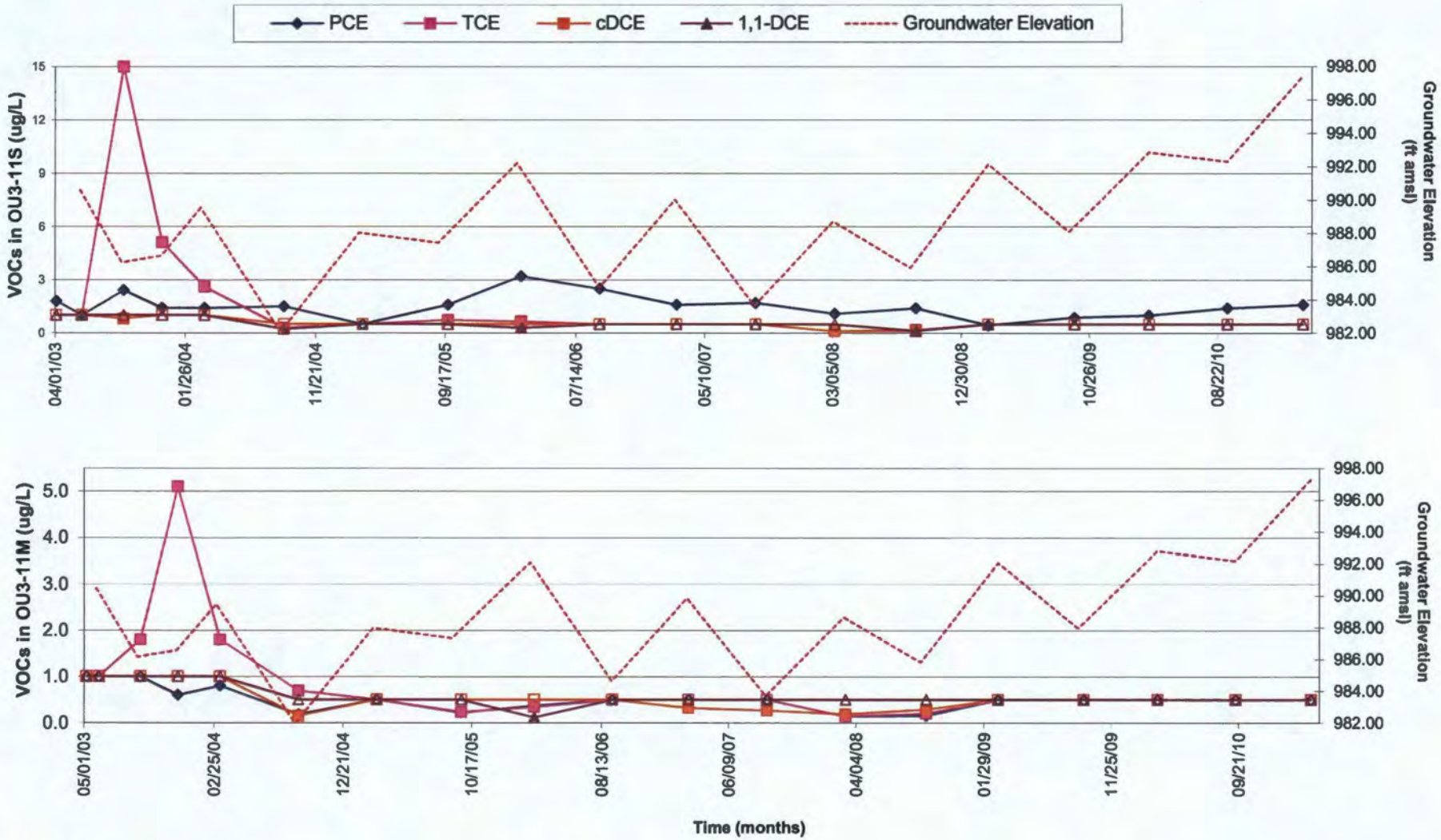
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-9S and OU3-9M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



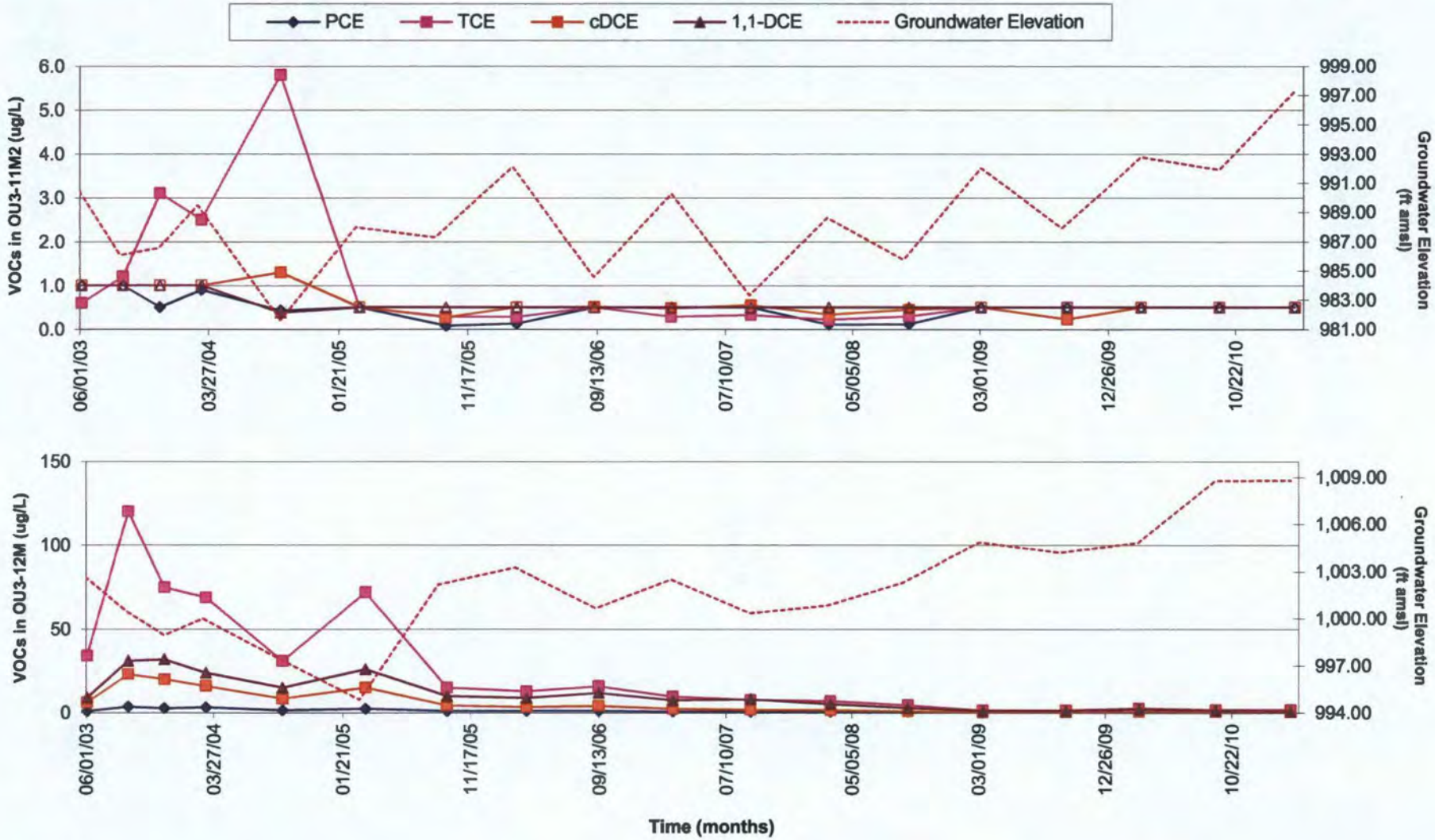
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-10M and OU3-10M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



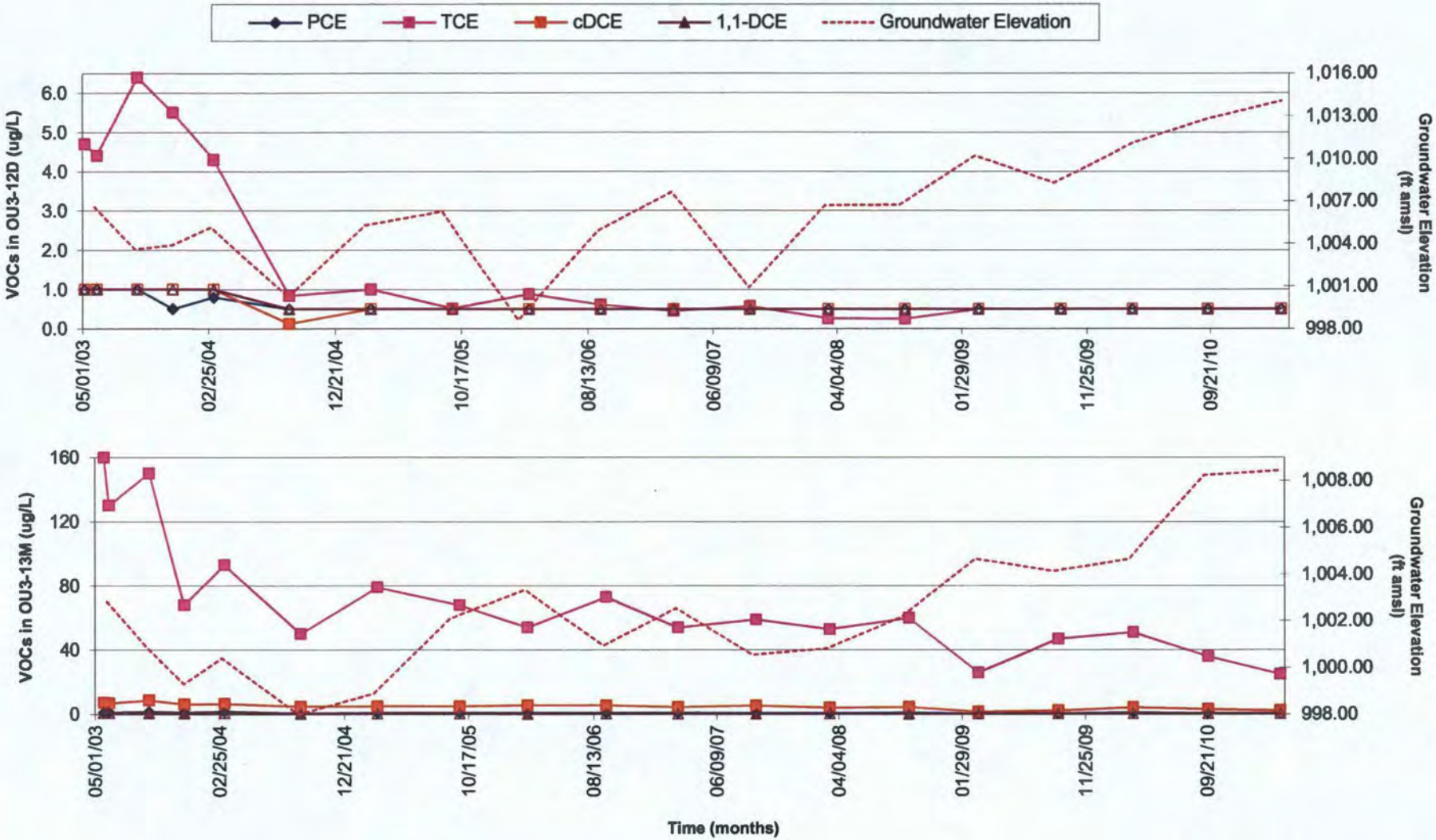
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-11S and OU3-11M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



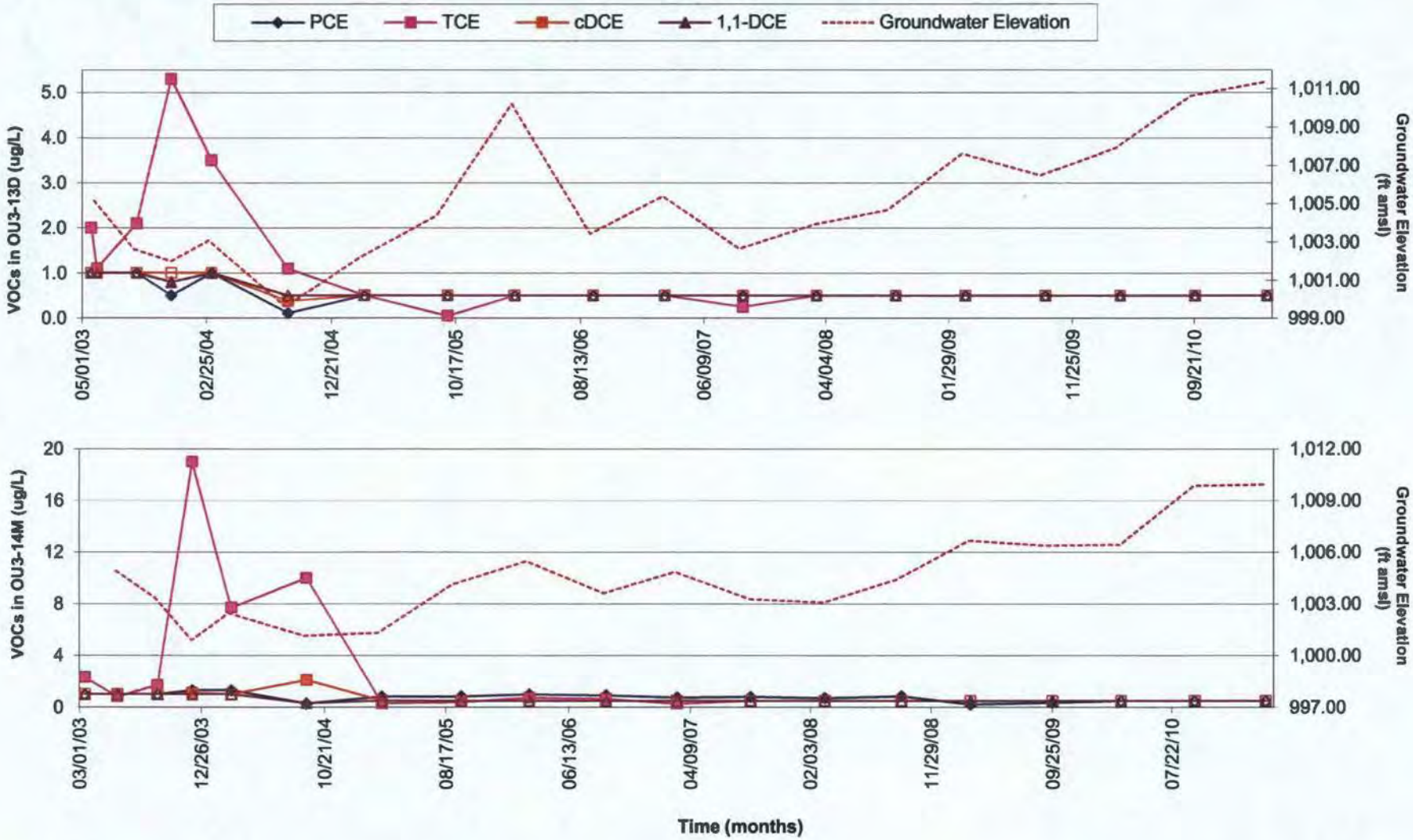
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-11M2 and OU3-12M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



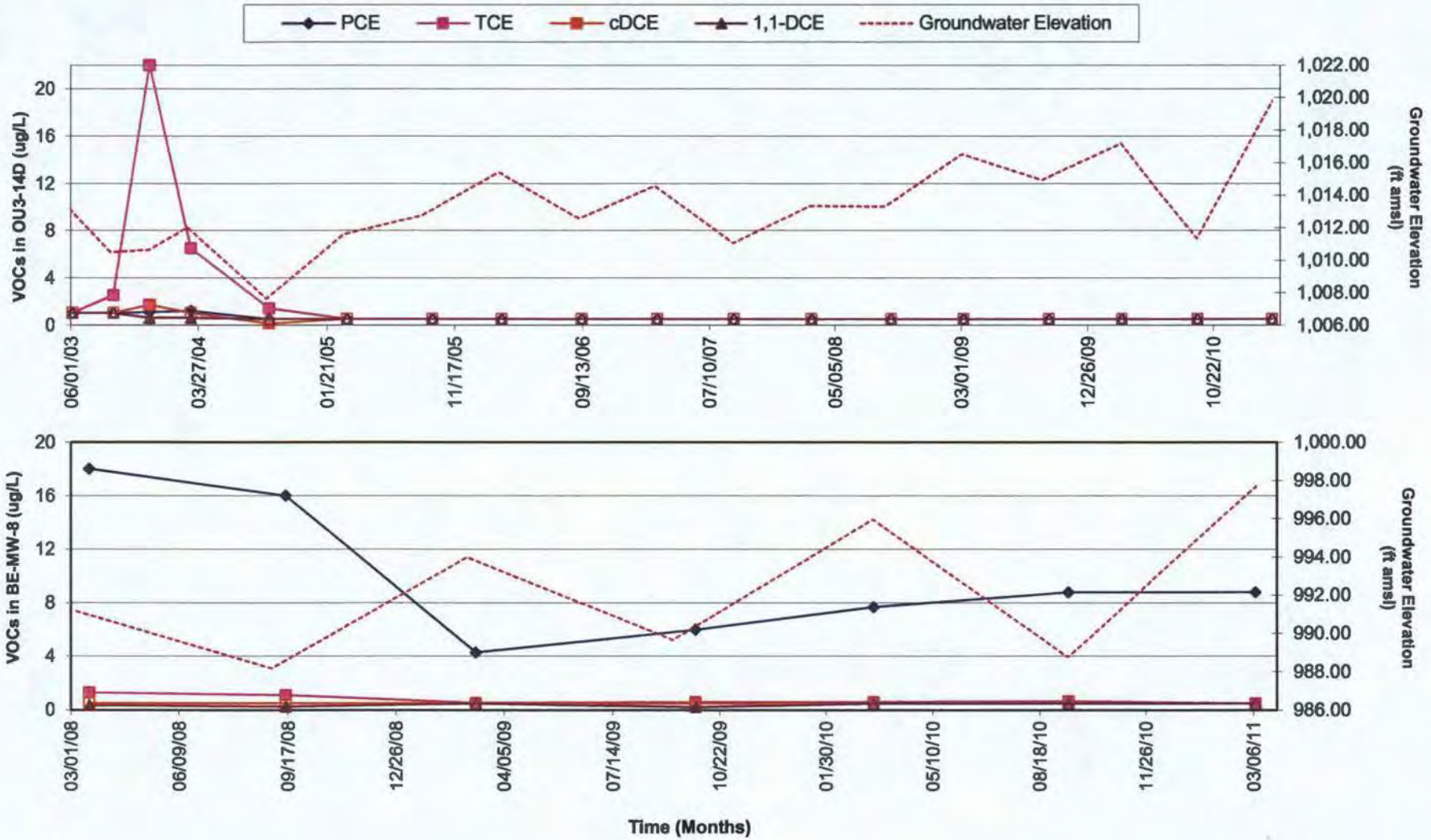
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-12D and OU3-13M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



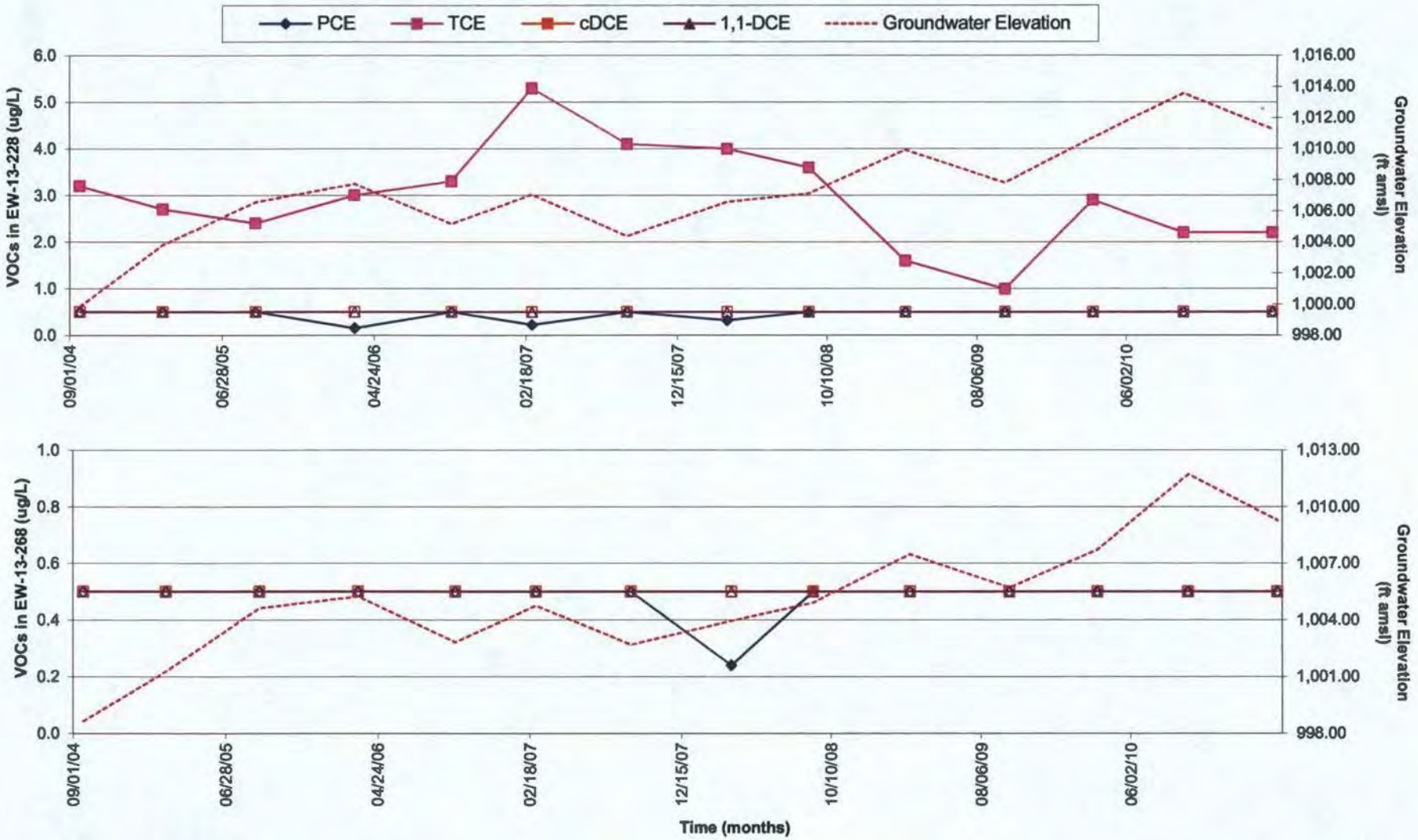
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-13D and OU3-14M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



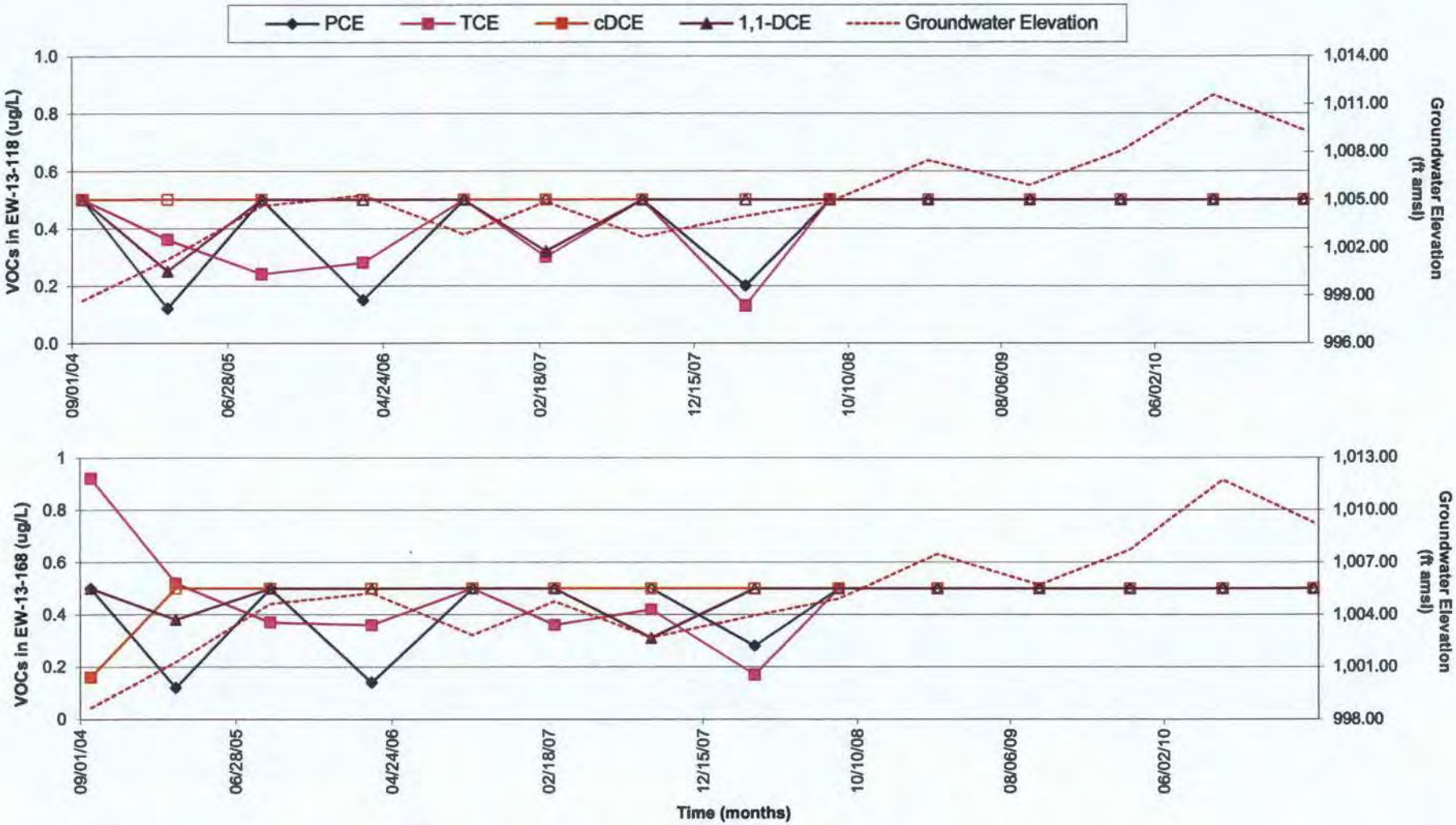
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-14D and BE-MW-8
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



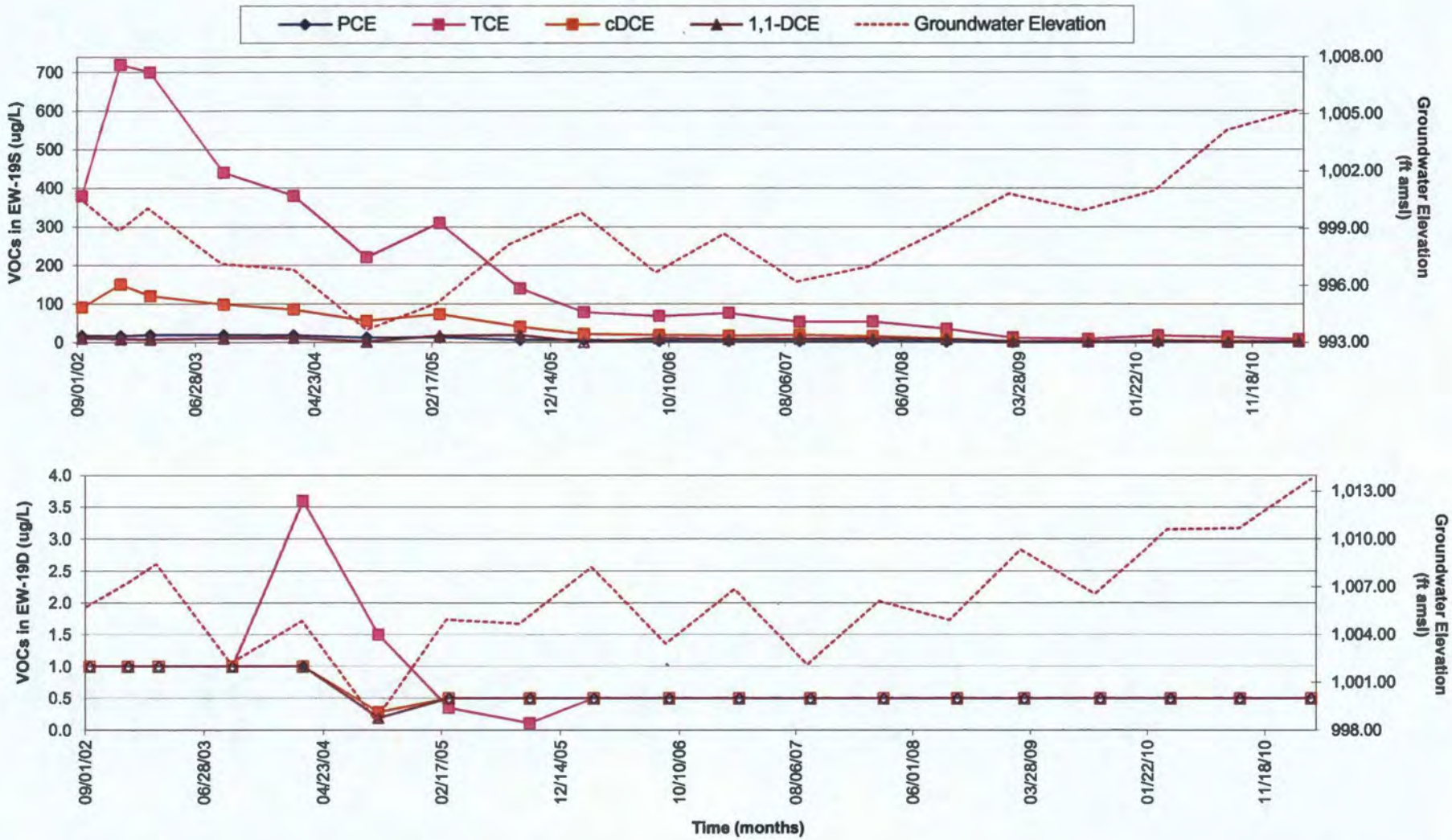
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection imit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-13-228 and EW-13-268
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



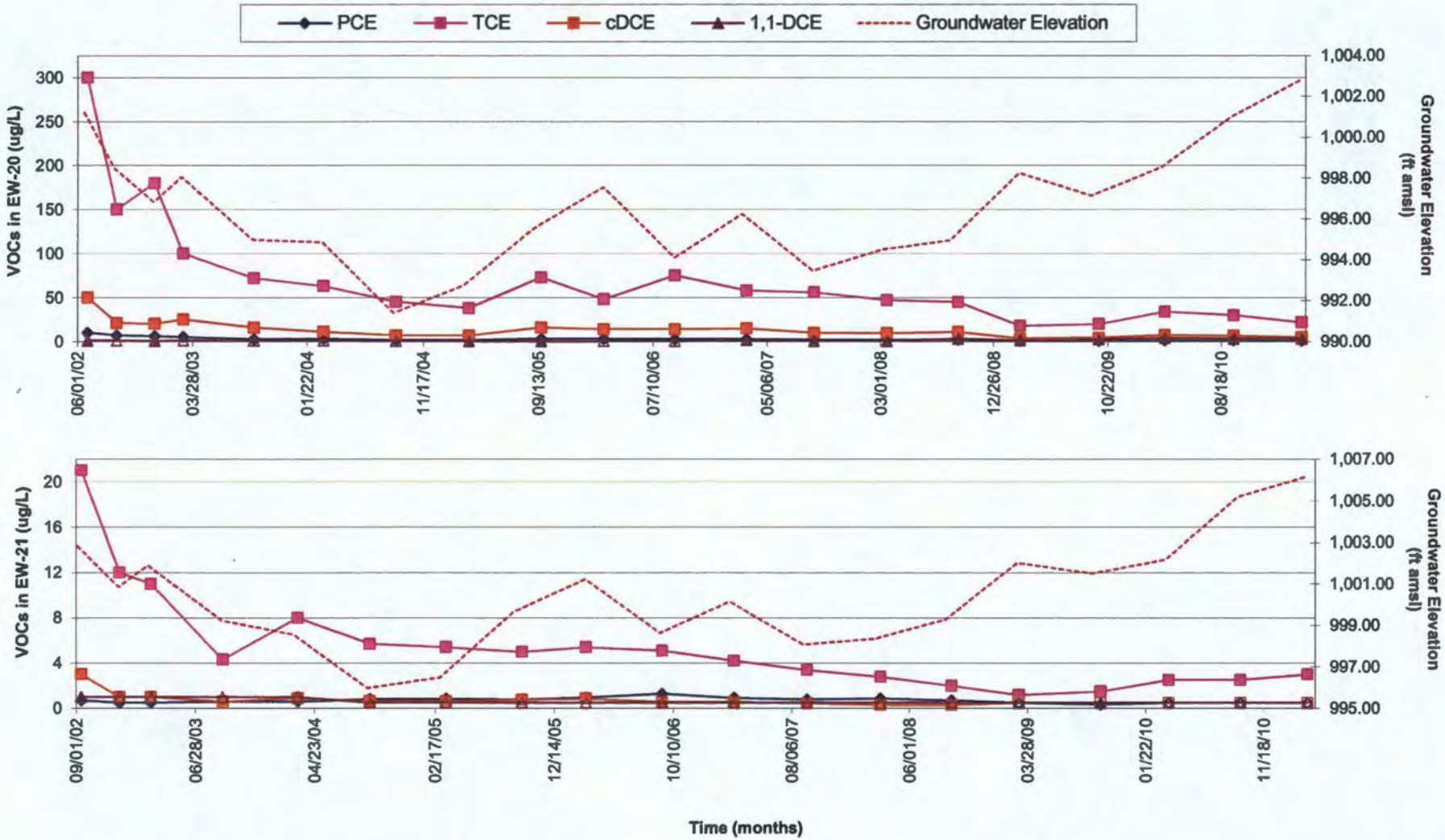
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-13-118 and EW-13-168
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



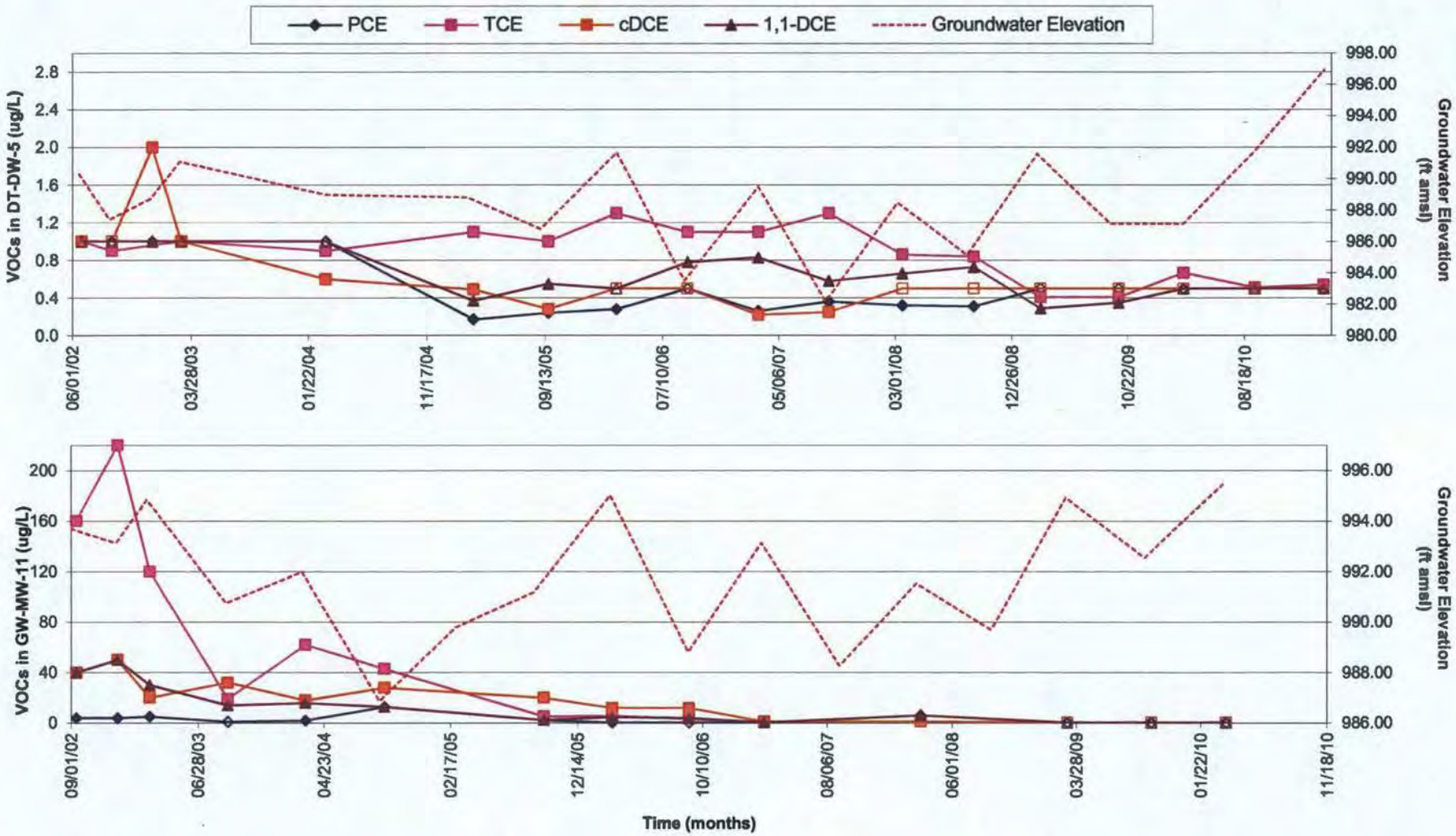
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-19S and EW-19D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-20 and EW-21
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.
Well GW-MW-11 was last sampled in March 2010.

Appendix E
Historical Volatile Organic Compounds
DT-DW-5 and GW-MW-11
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 Environmental Restoration Program Site of the Motorola Superfund Site, OU3. It is essential that the data be accurate and reflective of actual conditions.

During the March 8, 2011 through March 18, 2011 groundwater sampling event, 47 original water samples and 17 QA/QC sample 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 PUC1004, PUC1113, PUC0525, PUC0637, PUC0731, PUC0827, PUC0911, PUC0982, PUC1002, PUC1114, PUC1197, and PUC1289. 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 PUC0526, PUC0635, PUC0730, and PUC0829 for the groundwater samples. 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 PUC0730 and PUC0829 for method 8260B, the CCV and ICV %Ds for Acetone were outside the QC limits. The associated data were qualified as estimated J/UJ on the basis of calibration outliers.

In data packages PUC0526 and PUC0635 for method 8260B, the ICV %Ds for Acetone, Vinyl acetate, and 2-Hexanone 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 rinsate 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 ASTM Type II water or tap water into clean sample containers supplied by the laboratory. Field blank samples collected using tap water were labeled with an "FT" identifier at the end of the sample identification number. The identifier "FA" was used in the field blank sample identification number for samples that were prepared with ASTM Type II water. Field blank samples monitor for potential contamination of project samples from ambient conditions at the sample collection site.

4. Equipment rinsate samples were prepared at sample collection locations from the pump exterior of the sampling equipment. The identifier "R" was used in the equipment rinsate sample identification number. Equipment rinsate samples monitor for potential cross contamination of project samples from sampling equipment.

In data package PUC0525 the equipment rinsate sample and the equipment blank sample each had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUC0637 the trip blank sample had one volatile contaminant detected and 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 packages PUC0731, PUC0827, PUC0911, PUC0982, PUC1002, PUC1197, and PUC1289 the equipment blank samples had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUC1114 the trip blank sample had one volatile contaminant detected and the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

No field QC samples were analyzed for method 8270C.

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.

For method 8260B several MS/MSD recoveries and RPDs were not within acceptable limits. Data required qualification in data package PUC0827, PUC0911.

For method 8260B several LCS/LCSD recoveries and RPDs were not within acceptable limits. Data required qualification in data packages PUC0526, PUC0635, PUC1004, PUC1113, PUC0525, PUC0637, PUC0731, PUC0827, PUC0911, PUC0982, PUC1002, PUC1114, PUC1197, and PUC1289.

For method 8260B the laboratory did not perform MS/MSD analysis for data packages PUC0525, PUC0637, PUC0731, and PUC1289.

For method 8270C the laboratory has indicated that there was insufficient sample volume for analysis of the MS/MSD for data packages PUC0526, PUC0635, PUC0730, PUC0829, PUC1004, PUC1113, PUC0525, PUC0637, PUC0731, PUC0827, PUC1114, PUC1197, and PUC1289.

For method 8270C all of the 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 laboratory-generated limits of acceptance. All surrogate recoveries were within acceptable limits for all samples for methods 8260B and 8270C with the exception of one sample for method 8270C in data package PUC1114. The detected results were qualified as estimated.

The surrogate outlier results are listed in Table F-5.

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.

Two groundwater samples were 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-6.

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. 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 8, 2011 through March 18, 2010 groundwater investigation at the Motorola Superfund Site, OU3 is acceptable for the preparation of technically defensible documents.

Table F-1
Calibrations Outside of Acceptable Limits
Motorola Superfund Site, OU3

Lab Package	Calibration Date	Associated Sample	Method	Analyte	%D	Analysis Criteria	Validation Criteria	RRF	RRF Criteria	LDC Qualifier
PUC0730	3/18/2011	OU3-1M-M-031011	8260B	Acetone	57.3	≤20.0	≤25.0	0.229	≥0.05	J/UJ
	CCV									
PUC0730	3/17/2011	OU3-1M-M-031011	8260B	Acetone	30.3	≤20.0	≤25.0	NA	NA	J/UJ
	ICV									
PUC0526	3/14/2011	DT-DW-5-S-030811	8260B	Acetone	41.1	≤20.0	≤25.0	NA	NA	J/UJ
	ICV	Trip Blank		Vinyl acetate	47.1	≤20.0	≤25.0	NA	NA	J/UJ
				2-Hexanone	29.5	≤20.0	≤25.0	NA	NA	J/UJ
PUC0635	3/14/2011	OU3-14D-D-030911	8260B	Acetone	41.1	≤20.0	≤25.0	NA	NA	J/UJ
	ICV	OU3-12D-D-030911		Vinyl acetate	47.1	≤20.0	≤25.0	NA	NA	J/UJ
		SC-MW-1D-S-030911		2-Hexanone	29.5	≤20.0	≤25.0	NA	NA	J/UJ
PUC0829	3/18/2011	OU3-8M2-M-031111	8260B	Acetone	57.3	≤20.0	≤25.0	0.229	≥0.05	J/UJ
	CCV									
PUC0829	3/17/2011	OU3-8M2-M-031111	8260B	Acetone	30.3	≤20.0	≤25.0	NA	NA	J/UJ
	ICV									

Key:
NA = No qualified result
RRF = Relative response factor
%D = Percent difference
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
CCV = continued calibration verification
ICV = initial calibration verification

Table F-2
Blank and Associated Suspect Sample Detections
Motorola Superfund Site, OU3

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PUC0525	BE-MW-8-S-030811-R1	8260B	See below	Bromodichloromethane	4.6	0.50	ug/L	
				Chloroform	8.3	0.50	ug/L	
				Dibromochloromethane	1.7	0.50	ug/L	
PUC0525	EW-21-S-030811-EB	8260B	See below	Bromodichloromethane	3.9	0.50	ug/L	
				Chloroform	6.1	0.50	ug/L	
				Dibromochloromethane	1.5	0.50	ug/L	
			OU3-11M2-M2-030811					NA,ND
			OU3-11M-M-030811					NA,ND
			OU3-11S-S-030811	Chloroform	0.73	0.50	ug/L	0.73U
			BE-MW-8-S-030811					NA,ND
			OU3-4S-S-030811	Chloroform	1.2	0.50	ug/L	1.2U
			EW-21-S-030811	Chloroform	0.80	0.50	ug/L	0.80U
			EW-21-S-030811-Q1	Chloroform	0.85	0.50	ug/L	0.85U
PUC0637	GW-L1-3-030911	8260B	See below	1,1,2-Trichloroethane	1.8	0.50	ug/L	
			OU3-14M-M-030911					NA,ND
			OU3-12M-M-030911					NA,ND
			GW-EB2-030911					NA,ND
			GW-Z1-1-030911					NA,ND
PUC0637	GW-EB2-030911	8260B	See below	Bromodichloromethane	3.5	0.50	ug/L	
				Chloroform	5.2	0.50	ug/L	
				Dibromochloromethane	1.3	0.50	ug/L	
			OU3-14M-M-030911	Chloroform	0.65	0.50	ug/L	0.65U
			OU3-12M-M-030911					
PUC0731	GW-EB3-031011	8260B	See below	Bromodichloromethane	3.6	0.50	ug/L	
				Chloroform	5.4	0.50	ug/L	
				Dibromochloromethane	1.2	0.50	ug/L	
			OU3-7S-S-031011	Chloroform	1.1	0.50	ug/L	1.1U
			OU3-7M2-M-031011	Chloroform	0.58	0.50	ug/L	0.58U
			OU3-1D-D-031011					NA,ND
PUC0827	GW-EB4-031111	8260B	See below	Bromodichloromethane	3.4	0.50	ug/L	
				Chloroform	4.5	0.50	ug/L	
				Dibromochloromethane	1.2	0.50	ug/L	
			OU3-9M2-M-031111	Chloroform	1.4	0.50	ug/L	1.4U
			OU3-9S-S-031111	Chloroform	1.2	0.50	ug/L	1.2U
			OU3-8D-D-031111					NA,ND
			OU3-8S-S-031111	Chloroform	1.4	0.50	ug/L	1.4U
PUC0911	GW-EB5-031411	8260B	See below	Bromodichloromethane	1.6	0.50	ug/L	
				Chloroform	1.8	0.50	ug/L	
				Dibromochloromethane	0.88	0.50	ug/L	
			OU3-6D-D-031411					NA,ND
			OU3-6M-M-031411	Chloroform	1.3	0.50	ug/L	1.3U
			EW-19D-D-031411					NA,ND
			OU3-2M-M-031411	Chloroform	0.85	0.50	ug/L	0.85U
PUC0982	GW-EB6-031511	8260B	See below	Bromodichloromethane	3.3	0.50	ug/L	
				Chloroform	5.2	0.50	ug/L	
				Dibromochloromethane	1.1	0.50	ug/L	
			EWOU3-10S-R-S-031511	Chloroform	1.9	0.50	ug/L	1.9U
			OU3-10M-M-031511	Chloroform	1.4	0.50	ug/L	1.4U
			OU3-10M2-M-031511	Chloroform	0.88	0.50	ug/L	0.88U
PUC1002	GW-EB6-031511	8260B	See below	Bromodichloromethane	3.3	0.50	ug/L	
	(from SDG PUC0982)			Chloroform	5.2	0.50	ug/L	
				Dibromochloromethane	1.1	0.50	ug/L	
			OU3-10S-S-031511	Chloroform	1.6	0.50	ug/L	1.6U
PUC1114	GW-L1-8-031611	8260B	See below	Methyl-tert-butyl ether	0.64	0.50	ug/L	
			OU3-5SR-S-031611					NA,ND
			OU3-5DR-D-031611					NA,ND
			OU3-5M2-M-031611					NA,ND
			GW-EB7-031611					NA,ND
PUC1114	GW-EB7-031611	8260B	See below	Bromodichloromethane	3.6	0.50	ug/L	
				Chloroform	5.9	0.50	ug/L	
				Dibromochloromethane	1.3	0.50	ug/L	
			OU3-5SR-S-031611	Chloroform	1.8	0.50	ug/L	1.8U
			OU3-5DR-D-031611					NA,ND
			OU3-5M2-M-031611	Chloroform	0.82	0.50	ug/L	0.82U

Table F-2
Blank and Associated Suspect Sample Detections
Motorola Superfund Site, OU3

Lab Package	Blank ID	Method	Associated Samples	Detected Compound	Reported Concentration	Report Limit	Units	LDC Qualifier
PUC1197	GW-EB8-S-031711	8260B	See below	Bromodichloromethane	3.2	0.50	ug/L	
				Chloroform	4.9	0.50	ug/L	
				Dibromochloromethane	1.2	0.50	ug/L	
			OU3-13D-D-031711					NA,ND
			OU3-13M-M-031711					NA,ND
			OU3-13M-M-031711-Q1					NA,ND
			EW-20-S-031711	Chloroform	1.0	0.50	ug/L	1.0U
PUC1289	GW-EB9-031811	8260B	See below	Bromodichloromethane	2.1	0.50	ug/L	
				Chloroform	3.3	0.50	ug/L	
				Dibromochloromethane	0.75	0.50	ug/L	
			EW-13-118-S-031811					NA,ND
			EW-13-168-M-031811					NA,ND
			EW-13-228-D-031811					NA,ND
			EW-13-268-D-031811					NA,ND

Key:

NA = No qualified result
D = Not Detected
U = Nondetecti
MB = Method blank
FT = Field blank
FA = ASTM water blank
R = Equipment Rinsate
ug/L = microgram per liter

Table F-3
Matrix Spike/Matrix Spike Duplicate Recoveries & RPDs Outside of Acceptable Limits
Motorola Superfund Site, OU3

Lab Package	LCS ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PUC0827	OU3-9S-S-031111MS/	OU3-9S-S-031111	8260B	Iodomethane	142	116	47-141	20	≤29	J detects
	OU3-9S-S-031111MSD			1,1-Dichloroethene	107	86	75-125	22	≤20	J detects
				Methylene chloride	107	85	74-132	23	≤20	J detects
				Freon 113	106	82	65-140	26	≤20	J detects
PUC0911	OU3-6M-M-031411MS/	OU3-6M-M-031411	8260B	Methylene chloride	73	85	74-132	20	≤20	J/UJ
	OU3-6M-M-031411MSD			Bromomethane	76	99	55-136	26	≤24	J detects
				Chloroform	73	89	70-130	18	≤15	J detects

Key:
J = Estimated detected result
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
RPD = Relative percent difference

Table F-4
Blank Spike Recoveries & RPDs Outside of Acceptable Limits
Motorola Superfund Site, OU3

Lab Package	LCS ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit (%)	RPD	RPD Limit	LDC Qualifier
PUC0526	11C0531-BS1/BSD1	DT-DW-5-S-030811	8260B	Acetone	141	155	10-150	9	≤35	J detects
		Trip Blank								
PUC0635	11C0567-BS1/BS1	OU3-14D-D-030911	8260B	Iodomethane	139	103	58-138	30	≤25	J/UJ
		OU3-12D-D-030911		Vinyl acetate	156	116	57-149	29	≤21	J/UJ
		SC-MW-1D-S-030911		4-Methyl-2-pentanone	120	94	61-142	25	≤22	J/UJ
PUC1004	11C0791-BS1/BSD1	EW-19S-S-031511	8260B	Iodomethane	153	99	58-138	43	≤25	J/UJ
				Carbon Disulfide	116	94	61-121	21	≤20	J/UJ
				1,1-Dichloroethene	103	80	75-125	25	≤20	J/UJ
				Methylene chloride	99	80	70-130	22	≤20	J/UJ
				Freon 113	98	77	60-140	24	≤15	J/UJ
				cis-1,2-Dichloroethene	79	78	80-120	2	≤15	J/UJ
PUC1113	11C0791-BS1/BSD1	OU3-5MR-M-031611	8260B	Iodomethane	153	99	58-138	43	≤25	J/UJ
				Carbon Disulfide	116	94	61-121	21	≤20	J/UJ
				1,1-Dichloroethene	103	80	75-125	25	≤20	J/UJ
				Methylene chloride	99	80	70-130	22	≤20	J/UJ
				Freon 113	98	77	60-140	24	≤15	J/UJ
				cis-1,2-Dichloroethene	79	78	80-120	2	≤15	J/UJ
PUC0525	11C0395-BS1/BSD1	OU3-11M2-M2-030811	8260B	Vinyl acetate	176	190	54-149	7	≤21	J detects
		OU3-11M-M-030811		Acetone	62	126	10-150	69	≤35	J/UJ
		OU3-11S-S-030811		2-Butanone	82	126	40-150	43	≤35	J/UJ
		BE-MW-8-S-030811		2-Hexanone	91	146	44-150	46	≤31	J/UJ
		BE-MW-8-S-030811-R1								
PUC0525	11C0531-BS1-BSD1	OU3-4S-S-030811	8260B	Acetone	141	155	10-150	9	≤35	J detects
		EW-21-S-030811								
		EW-21-S-030811-Q1								
		EW-21-S-030811-EB								
		GW-L1-1-030811								
PUC0637	11C0567-BS1/BSD1	OU3-14M-M-030911	8260B	Iodomethane	139	103	58-138	30	≤25	J/UJ
		OU3-12M-M-030911		Vinyl acetate	156	116	54-149	29	≤21	J/UJ
		GW-L1-3-030911								
		GW-EB2-030911								
		GW-Z1-1-030911								
PUC0731	11C0599-BS1/BSD1	OU3-7S-S-031011	8260B	Acetone	147	102	10-150	36	≤35	J/UJ
		OU3-7M2-M-031011								
		OU3-1D-D-031011								
		GW-EB3-031011								
		GW-L1-4-031011								
PUC0827	11C0662-BS1/BSD1	GW-EB4-031111	8260B	Bromochloromethane	77	80	80-125	4	≤15	J/UJ
		GW-L1-5-031111								
PUC0911	11C0662-BS1/BSD1	OU3-6M-M-031411	8260B	Bromochloromethane	77	80	80-125	4	≤15	J/UJ
PUC0982	11C0791-BS1/BSD1	EWOU3-10S-R-S-031511	8260B	cis-1,2-Dichloroethene	79	78	80-120	4	≤15	J/UJ
		OU3-10M-M-031511		Iodomethane	153	99	58-138	43	≤25	J/UJ
		OU3-10M2-M-031511		Carbon disulfide	116	94	61-126	21	≤20	J/UJ
		GW-EB6-031511		1,1-Dichloroethene	103	80	75-125	25	≤20	J/UJ
				Methylene chloride	99	80	70-130	22	≤20	J/UJ
				Freon 113	98	77	60-140	24	≤15	J/UJ
PUC1002	11C0791-BS1/BSD1	OU3-10S-S-031511	8260B	cis-1,2-Dichloroethene	79	78	80-120	4	≤15	J/UJ
				Iodomethane	153	99	58-138	43	≤25	J/UJ
				Carbon disulfide	116	94	61-126	21	≤20	J/UJ
				1,1-Dichloroethene	103	80	75-125	25	≤20	J/UJ
				Methylene chloride	99	80	70-130	22	≤20	J/UJ
				Freon 113	98	77	60-140	24	≤15	J/UJ
PUC1114	11C0791-BS1/BSD1	OU3-5SR-S-031611	8260B	cis-1,2-Dichloroethene	79	78	80-120	4	≤15	J/UJ
		OU3-5DR-D-031611		Iodomethane	153	99	58-138	43	≤25	J/UJ
		OU3-5M2-M-031611		Carbon disulfide	116	94	61-126	21	≤20	J/UJ
		GW-EB7-031611		1,1-Dichloroethene	103	80	75-125	25	≤20	J/UJ
		GW-L1-8-031611		Methylene chloride	99	80	70-130	22	≤20	J/UJ
				Freon 113	98	77	60-140	24	≤15	J/UJ
PUC1197	11C0849-BS1/BSD1	OU3-13D-D-031711	8260B	cis-1,2-Dichloroethene	80	78	80-120	3	≤15	J/UJ
		OU3-13M-M-031711								
		OU3-13M-M-031711-Q1								
		EW-20-S-031711								
		GW-EB8-S-031711								
		GW-L1-9-031711								
PUC1289	11C0967-BS1/BSD1	EW-13-118-S-031811	8260B	Vinyl acetate	147	150	57-149	2	≤21	J detects
		EW-13-168-M-031811								
		EW-13-228-D-031811								
		EW-13-268-D-031811								
		GW-EB9-031811								
		GW-L1-10-031811								

Key:
J = Estimated detected result
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
RPD = Relative percent difference

Table F-5
Blank Spike Recoveries & RPDs Outside of Acceptable Limits
Motorola Superfund Site, OU3

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Associated Compound	LDC Qualifier
PUC1114	OU3-5SR-S-031611	8270C	Nitrobenzene-d5	161	38-125	All TCL compounds	J detects

Key:
J = Estimated detected result
UJ = Nondetected, estimated report limit
J-/R = Detected results are estimated; nondetected results are rejected
TCL = Target Compound List

Table F-6
Field Duplicate Results and Calculated Relative Percent Differences
Motorola Superfund Site, OU3

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 (%)
PUC0525	8260B	EW-21-S-030811/	Chloroform	0.80	0.85	-	0.5	ug/L	0.50	0.50	0.05	-
		EW-21-S-030811-Q1	Trichloroethene	3.0	3.0	≤20	-	ug/L	0.50	0.50	-	0
PUC1197	8260B	OU3-13M-M-031711/	cis-1,2-Dichloroethene	2.4	2.4	-	0.5	ug/L	0.50	0.50	0.00	-
		OU3-13M-M-031711-Q1	Trichloroethene	25	24	≤20	-	ug/L	0.50	0.50	-	4
			Tetrachloroethene	0.50U	0.55	-	0.5	ug/L	0.50	0.50	0.05	-

Key:
ug/L = microgram per liter
RPD = Relative percent difference; used when sample results are greater than five times the reporting limit
Difference = used when a sample result is less than five times the reporting limit

Laboratory Data Consultants, Inc.

7750 El Camino Real, Ste. 2L Carlsbad, CA 92009

Phone 760.634.0437 **Web** www.lab-data.com **Fax** 760.634.0439

ERM West
7272 E. Indian School Road, Suite 100
Scottsdale, AZ 85251
ATTN: Mr. David Abranovic

April 22, 2011

SUBJECT: Environmental Restoration Program Site of Motorola Superfund Site, OU3, Data Validation

Dear Mr. Abranovic,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on April 1, 2011. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 25208:

SDG:	**Fraction**
PUC0526, PUC0635 PUC0730, PUC0829 PUC1004, PUC1113 PUC0525, PUC0637 PUC0731, PUC0827 PUC0911, PUC0982 PUC1002, PUC1114 PUC1197, PUC1289	Volatiles, 1,4-Dioxane

The data validation was performed under Tier 1A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008

The data quality assessment for the laboratory analytical results generated for the Motorola Superfund Site OU3 established that the overall project requirements and completeness levels were met. No data were found to be rejected. Sample results that were found to be estimated are usable for limited purposes only. Based upon the Tier 1A and Tier 3 data validation, all other results are considered valid and usable for all purposes and considered acceptable for the preparation of technically defensible documents.

Please feel free to contact us if you have any questions.

Sincerely,

Andrew Kong
Project Manager

V:\LOGIN\ERM\Motorola\25208COV.wpd

LDC #: 25208A1
SDG #: PUC0526
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier ~~1A~~ 3

Date: 4/08/11
Page: 1 of 1
Reviewer: JM
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	~~A~~	Sampling dates: 3/08/11
II.	GC/MS Instrument performance check	~~A~~ N	
III.	Initial calibration	~~A~~ N	%RSD ≤ 30% rr
IV.	Continuing calibration/ICV	SW	CCV/ICV ≤ 25%
V.	Blanks	~~A~~	
VI.	Surrogate spikes	~~A~~	
VII.	Matrix spike/Matrix spike duplicates	N	client spec (non-client)
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB = 2

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: water

~~1~~	DT-DW-5-S-030811	~~11~~	11 C0531-Blk1	21		31	
~~2~~	Trip Blank	12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208A1

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: JM
2nd Reviewer:

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) < 25% and relative response factors (RRF) > 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within + 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantification/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

Continuing Calibration Results Outside of Acceptable Limits

Lab Package	Calibration Date	Method	Associated Samples	Compound	ICV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	ICV RRF	RRF Limit	LDC Qualifier
PUC0526	3/14/2011	8260B	All	Acetone	41.1	≤20	≤25	NA	NA	J/UJ/A
			(ND)	Vinyl acetate	47.1	≤20	≤25	NA	NA	J/UJ/A
	(03141122)			2-Hexanone	29.5	≤20	≤25	NA	NA	J/UJ/A

Lab Package	Calibration Date	Method	Associated Samples	Compound	CCV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	CCV RRF	RRF Limit	LDC Qualifier

Key:

ND = Nondetected

NA = No qualified result

J = Estimated detected result

UJ = Nondetected, estimated report limit

J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

Laboratory Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (% R)	LCSD (% R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0526	8260B	11C0531-BS1/BSD1	All	Acetone	141	155	10-150	9	35	Jdet/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: MC
2nd Reviewer: CA

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/14/2011	cis-1,2-Dichloroethene (IS1)	0.686	0.686	0.712	0.712	11.49	11.50
	GCMS13		Trichloroethene (IS2)	0.473	0.473	0.486	0.486	10.06	10.10
			Ethylbenzene (IS3)	1.984	1.984	2.054	2.054	14.14	14.15
			1,1,2,2-TCA (IS4)	0.499	0.499	0.483	0.483	5.17	5.16

Conc IS/Cpd	Area cpd	Area IS
25/25	479600	699455
25/25	480291	1014981
25/25	1857231	936018
25/25	245970	492554

Conc	cis-1,2-DCE	Trichloroethene	Ethylbenzene	1,1,2,2-TCA
0.5	0.713	0.500	2.051	0.519
1	0.676	0.473	2.111	0.491
2	0.926	0.610	2.735	0.504
5	0.688	0.474	2.057	0.493
10	0.686	0.477	2.104	0.482
25	0.686	0.473	1.984	0.499
50	0.685	0.458	1.948	0.458
100	0.691	0.459	1.789	0.448
200	0.654	0.446	1.708	0.452
X =	0.712	0.486	2.054	0.483
S =	0.082	0.049	0.291	0.025

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = Initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03141121	3/14/2011	cis-1,2-Dichloroethene (IS1)	0.712	0.683	0.683	4.1	4.1
	GCMS 13		Trichloroethene (IS2)	0.486	0.447	0.447	8.0	8.0
			Ethylbenzene (IS3)	2.054	1.867	1.867	9.1	9.1
			1,1,2,2-TCA (IS4)	0.483	0.447	0.447	7.5	7.5

Cis/Cx	Compound (IS)	Ax	Ais
25/25	cis-1,2-Dichloroethene (IS1)	482518	706499
25/25	Trichloroethene (IS2)	485605	1085647
25/25	Ethylbenzene (IS3)	1824563	977473
25/25	1,1,2,2-TCA (IS4)	217064	485709

LDC #: 05208A1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JYG
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	25	22.91	92	92	0
1,2-Dichloroethane-d4		26			
Toluene-d8		24.29	97	97	
Bromofluorobenzene		26.80	107	107	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 25208A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: AG
2nd Reviewer: CA

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 11C0591-BS1/BSD1

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	25.3	24.6	101	101	98	98	3	3
Trichloroethene			22.28	22.32	89	89	89	89	0.2	0.2
Benzene			23.2	23.0	93	93	92	92	1	1
Toluene			22.9	22.6	91	91	90	90	1	1
Chlorobenzene			23.2	22.9	93	93	92	92	1	1

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15218A1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JVG
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 . S (Trichloroethene)

Conc. = $\frac{(8266)(25)(\quad)}{(795170)(9.486)(\quad)(\quad)}$

= 0.535

≈ 0.54 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208B1 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/07/11
SDG #: PUC0635 Tier ~~1A~~ 3 Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: JVL
2nd Reviewer: [signature]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/09/11
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD ≤ 30 r²
IV.	Continuing calibration/ICV	SW	CCV/ICV ≤ 25D
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-14D-D-030911	11	11C0567-BLK1	21		31	
2	OU3-12D-D-030911	12		22		32	
3	SC-MW-1D-S-030911	13		23		33	
4	OU3-14D-D-030911MS	14		24		34	
5	OU3-14D-D-030911MSD	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208 FM

VALIDATION FINDINGS CHECKLIST

Reviewer: JW
2nd Reviewer: A

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) < 25% and relative response factors (RRF) > 0.05?			✓	
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓	✓		
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within + 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

Continuing Calibration Results Outside of Acceptable Limits

Lab Package	Calibration Date	Method	Associated Samples	Compound	ICV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	ICV RRF	RRF Limit	LDC Qualifier
PUC0635	3/14/2011	8260B	All (ND)	Acetone	41.1	≤20	≤25	NA	NA	J/UJ/A
				Vinyl acetate	47.1	≤20	≤25	NA	NA	J/UJ/A
	(03141122)			2-Hexanone	29.5	≤20	≤25	NA	NA	J/UJ/A

Lab Package	Calibration Date	Method	Associated Samples	Compound	CCV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	CCV RRF	RRF Limit	LDC Qualifier

Key:
ND = Nondetected
NA = No qualified result
J = Estimated detected result
UJ = Nondetected, estimated report limit
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

Laboratory Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (% R)	LCSD (% R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0635	8260B	11C0567-BS1/BSD1	All	Iodomethane	139	103	58-138	30	25	J/UJ/P
				Vinyl acetate	156	116	57-149	29	21	J/UJ/P
				4-Methyl-2-pentanone	120	94	61-142	25	22	J/UJ/P

Notes:

ID = Identification number

%R = Percent recovery

RPD = Relative percent difference

LCS/LCSD = Laboratory control sample/laboratory control sample duplicate

NA = Not applicable

LDC #: 26218 M

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: DK
2nd Reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/14/2011	cis-1,2-Dichloroethene (IS1)	0.686	0.686	0.712	0.712	11.49	11.50
	GCMS13		Trichloroethene (IS2)	0.473	0.473	0.486	0.486	10.06	10.10
			Ethylbenzene (IS3)	1.984	1.984	2.054	2.054	14.14	14.15
			1,1,2,2-TCA (IS4)	0.499	0.499	0.483	0.483	5.17	5.18

Conc IS/Cpd	Area cpd	Area IS
25/25	479600	699455
25/25	480291	1014981
25/25	1857231	936018
25/25	245970	492554

Conc	cis-1,2-DCE	Trichloroethene	Ethylbenzene	1,1,2,2-TCA
0.5	0.713	0.500	2.051	0.519
1	0.676	0.473	2.111	0.491
2	0.928	0.610	2.735	0.504
5	0.688	0.474	2.057	0.493
10	0.688	0.477	2.104	0.482
25	0.686	0.473	1.984	0.499
50	0.685	0.458	1.948	0.458
100	0.691	0.459	1.789	0.448
200	0.654	0.446	1.708	0.452
X =	0.712	0.486	2.054	0.483
S =	0.082	0.049	0.291	0.025

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 B1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03151105	3/15/2011	cis-1,2-Dichloroethene (IS1)	0.712	0.596	0.596	16.3	16.3
	GCMS 13		Trichloroethene (IS2)	0.486	0.469	0.469	3.5	3.5
			Ethylbenzene (IS3)	2.054	2.049	2.049	0.2	0.2
			1,1,2,2-TCA (IS4)	0.483	0.466	0.466	3.5	3.4

Cis/Cx	Compound (IS)	Ax	Ais
25/25	cis-1,2-Dichloroethene (IS1)	383564	643154
25/25	Trichloroethene (IS2)	386902	824540
25/25	Ethylbenzene (IS3)	1545392	754150
25/25	1,1,2,2-TCA (IS4)	200911	430693

LDC #: 25208 PM

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: FF1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	25	21.95	88	88	0
1,2-Dichloroethane-d4	↓				↓
Toluene-d8		24.99	100	100	
Bromofluorobenzene	↓	28.05	112 ✓	112 ✓	↓

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 25208 AM

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSC | * 2/(MSC + MSDC)

MSC = Matrix spike concentration; MSDC = Matrix spike duplicate concentration

MS/MSD sample: 4/5

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	----	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalc
1,1-Dichloroethene	25.0	25.0	0	23.8	23.1	95	95	92	92	3	3
Trichloroethene				24.3	24.0	97	97	96	96	1	1
Benzene				22.98	22.83	92	92	91	91	0.7	0.7
Toluene				23.6	22.6	94	94	90	90	4	4
Chlorobenzene				22.9	22.4	91	91	89	89	2	2

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25208 B1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: JYG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 11C0567-BS1 / BSD1

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	23.1	23.4	92	92	93	93	1	1
Trichloroethene			24.8	24.5	99	99	98	98	1	1
Benzene			23.6	23.8	94	94	95	95	1	1
Toluene			23.8	24.1	95	95	96	96	1	1
Chlorobenzene			23.80	23.94	95	95	96	96	0.6	0.6

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15708 M

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

(Y) N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #3 . Trichloroethene

Conc. = $\frac{(29129)(25)(\quad)}{(75621)(0.986)(\quad)(\quad)}$

= 1.64 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208C1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/08/11
SDG #: PUC0730 Tier 3 Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: HC
2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/10 &
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	2 RSD ≤ 30 rr
IV.	Continuing calibration/ICV	SW	CCV/ICV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client Spec (non-client)
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples:

WATER

1	OU3-1M-M-031011	11	11C0644-BK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208C1

VALIDATION FINDINGS CHECKLIST

Reviewer: JM
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) < 25% and relative response factors (RRF) > 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicate				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 25208C1

VALIDATION FINDINGS CHECKLIST

Reviewer: JVE
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.				✓
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

Continuing Calibration Results Outside of Acceptable Limits

Lab Package	Calibration Date	Method	Associated Samples	Compound	ICV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	ICV RRF	RRF Limit	LDC Qualifier
PUC0730	3/17/2011 (03171115)	8260B	All (ND)	Acetone	30.3	≤20	≤25	NA	NA	~~J~~/A J/UJ

Lab Package	Calibration Date	Method	Associated Samples	Compound	CCV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	CCV RRF	RRF Limit	LDC Qualifier
PUC0730	3/18/2011 (03181104)	8260B	All (ND)	Acetone	57.3	≤20	≤25	0.229	≥0.05	~~J~~/A J/UJ

Key:
ND = Nondetected
NA = No qualified result
J = Estimated detected result
UJ = Nondetected, estimated report limit
J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

LDC #: 75207C1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/17/2011	cis-1,2-Dichloroethene (IS1)	0.800	0.800	0.808	0.808	7.61	7.60
	GCMS7		Trichloroethene (IS2)	0.428	0.428	0.428	0.428	4.61	4.60
			Ethylbenzene (IS3)	2.221	2.221	2.214	2.213	4.57	4.57
			1,1,2,2-TCA (IS4)	0.732	0.732	0.732	0.732	7.38	7.37

Conc IS/Cpd	Area cpd	Area IS
25/25	131490	164383
25/25	124690	291205
25/25	538674	242488
25/25	82184	112264

Conc	cis-1,2-DCE	Trichloroethene	Ethylbenzene	1,1,2,2-TCA
0.5	0.915	0.455	2.432	0.776
1	0.789	0.415	2.116	0.777
2	0.816	0.412	2.077	0.741
5	0.898	0.467	2.272	0.769
10	0.803	0.422	2.199	0.759
25	**0.800**	**0.428**	**2.221**	**0.732**
50	0.745	0.421	2.160	0.718
100	0.754	0.419	2.235	0.714
200	0.751	0.412	2.188	0.603
X =	0.808	0.428	2.213	0.732
S =	0.061	0.020	0.101	0.054

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 Q

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03181104	3/18/2011	cis-1,2-Dichloroethene (IS1)	0.808	0.712	0.712	11.9	11.9
	GCMS7		Trichloroethene (IS2)	0.426	0.410	0.407	4.2	4.2
			Ethylbenzene (IS3)	2.214	2.102	1.736	5.1	5.1
			1,1,2,2-TCA (IS4)	0.732	0.687	0.687	6.2	6.2

Cis/Cx	Compound (IS)	Ax	Ais
25/20	cis-1,2-Dichloroethene (IS1)	92791	163018
25/20	Trichloroethene (IS2)	90004	276535
25/20	Ethylbenzene (IS3)	395546	227866
25/20	1,1,2,2-TCA (IS4)	58407	106277

LDC #: 25268 C1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: C

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	25	21.83	87	87	0
Bromofluorobenzene		20.81	83	83	
1,2-Dichloroethane-d4					
Dibromofluoromethane		21.85	87	87	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 25708C1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 11C0694-BS1 / BSD1

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	20.53	21.81	82	87	87	87	6	6
Trichloroethene			21.30	21.52	85	85	86	86	1	1
Benzene			20.51	21.13	82	85	85	85	3	3
Toluene			21.85	22.77	87	86	89	89	3	3
Chlorobenzene			21.64	21.78	87	87	87	87	0.7	0.7

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25208 C1

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: C

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

(Y) N N/A Were all reported results recalculated and verified for all level IV samples?

Y (N) N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 . QQQ

Conc. = $\frac{(4960)(25)(\quad)}{(174868)(0.808)(\quad)(\quad)}$

= 0.88 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208D1
SDG #: PUC0829
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/07/11
Page: 1 of 1
Reviewer: NO
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/11/11
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD ≤30%
IV.	Continuing calibration/ICV	SW	CCV/ICV ≤25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client Spec (non-client)
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

Water

1	OU3-8M2-M-031111	11	IIC0694-blk1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208 D1

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: JM
2nd Reviewer: A

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓			
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) < 25% and relative response factors (RRF) > 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 25208 D1 | VALIDATION FINDINGS CHECKLIST | Page: 2 of 2
Reviewer: JVB
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
XVII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

Lab Package	Calibration Date	Method	Associated Samples	Compound	ICV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	ICV RRF	RRF Limit	LDC Qualifier
PUC0829	3/17/2011 (03171115)	8260B	All	Acetone	30.3	≤20	≤25	NA	NA	J/UJ/A

Lab Package	Calibration Date	Method	Associated Samples	Compound	CCV (%D)	Analysis Criteria (%D)	Validation Criteria (%D)	CCV RRF	RRF Limit	LDC Qualifier
PUC0829	3/18/2011 (03181104)	8260B	All	Acetone	57.3	≤20	≤25	0.229	≥0.05	j/UJ/A

Key:

ND = Nondetected

NA = No qualified result

J = Estimated detected result

UJ = Nondetected, estimated report limit

J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

LDC #: 75208 D1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: DK
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/17/2011	cis-1,2-Dichloroethene (IS1)	0.800	0.800	0.808	0.808	7.61	7.60
	GCMS7		Trichloroethene (IS2)	0.428	0.428	0.428	0.428	4.61	4.60
			Ethylbenzene (IS3)	2.221	2.221	2.214	2.213	4.57	4.57
			1,1,2,2-TCA (IS4)	0.732	0.732	0.732	0.732	7.38	7.37

Conc IS/Cpd	Area cpd	Area IS
25/25	131490	164363
25/25	124690	291205
25/25	538674	242488
25/25	82184	112264

Conc	cis-1,2-DCE	Trichloroethene	Ethylbenzene	1,1,2,2-TCA
0.5	0.815	0.455	2.432	0.776
1	0.789	0.415	2.116	0.777
2	0.816	0.412	2.077	0.741
5	0.898	0.467	2.272	0.769
10	0.803	0.422	2.199	0.759
25	0.800	0.428	2.221	0.732
50	0.745	0.421	2.180	0.718
100	0.754	0.419	2.235	0.714
200	0.751	0.412	2.188	0.603
X =	0.808	0.428	2.213	0.732
S =	0.061	0.020	0.101	0.054

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 14208 b1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03181104	3/18/2011	cis-1,2-Dichloroethene (IS1)	0.808	0.712	0.712	11.9	11.9
	GCMS7		Trichloroethene (IS2)	0.428	0.410	0.407	4.2	4.2
			Ethylbenzene (IS3)	2.214	2.102	1.736	5.1	5.1
			1,1,2,2-TCA (IS4)	0.732	0.687	0.687	6.2	6.2

Cis/Cx	Compound (IS)	Ax	Ais
25/20	cis-1,2-Dichloroethene (IS1)	92791	163018
25/20	Trichloroethene (IS2)	90004	276535
25/20	Ethylbenzene (IS3)	395546	227866
25/20	1,1,2,2-TCA (IS4)	58407	106277

LDC #: 25208b1

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: C

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	25	21.78	87	87	0
1,2-Dichloroethane-d4			~~87~~		
Toluene-d8		21.62	86	86	
Bromofluorobenzene		21.09	84	84	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 25208D1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: JVG
2nd Reviewer: C

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 11C0694-BS1/BSD1

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	20.53	21.81	87	87	87	87	6	6
Trichloroethene			21.30	21.57	85	85	86	86	1	1
Benzene			20.51	21.13	87	87	85	85	3	3
Toluene			21.55	22.27	86	86	89	89	3	3
Chlorobenzene			21.64	21.68	87	87	87	87	0.2	0.2

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25205b7

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JVG
2nd reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample purged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1 . Trichloroethene

Conc. = $\frac{(1500\ 63)(25)(\quad)}{(303657)(0.428)(\quad)(\quad)}$

= 28.8 Q

≈ 29 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208E1
SDG #: PUC1004
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/08/1
Page: 1 of 1
Reviewer: DVG
2nd Reviewer: e

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client spec
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	EW-19S-S-031511	11	11C0791-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Laboratory Spike Recoveries Outside of Acceptance Limits

Lab Package	Spike ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC1004	11C0791-BS1/BSD1	All	8260B	Iodomethane	153	99	58-138	43	25	J / UJ/P ~~No Qual~~ *
				Carbon disulfide	116	94	61-121	21	20	"
				1,1-Dichloroethene	103	80	75-125	25	20	"
				Methylene chloride	99	80	70-130	22	20	"
				Freon 113	98	77	60-140	24	15	"
				cis-1,2-Dichloroethene	79	78	80-120	2	15	J/UJ/P (det)
										~~* (either LCS or LCSD or both if)~~

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208F1
SDG #: PUC1113
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/6/11
Page: 1 of 1
Reviewer: MG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/16 11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client Spec
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: water

1	OU3-SMR-M-031611	11	11C0791-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Laboratory Spike Recoveries Outside of Acceptance Limits

Lab Package	Spike ID	Associated Sample	Method	Compound	LCS (% R)	LCSD (% R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC1113	11C0791-BS1/BSD1	All	8260B	Iodomethane	153	99	58-138	43	25	J/UJ/P ~~No Qual~~*
				Carbon disulfide	116	94	61-121	21	20	"
				1,1-Dichloroethene	103	80	75-125	25	20	"
				Methylene chloride	99	80	70-130	22	20	"
				Freon 113	98	77	60-140	24	15	"
				cis-1,2-Dichloroethene	79	78	80-120	2	15	J/UJ/P (det)
										~~* (either LCS or LCSD or both is)~~

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208G1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0525 Tier 1A Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: SW
2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/08/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client spec
VIII.	Laboratory control samples	SW	LCS / D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 7, 8
XVII.	Field blanks	SW	*TB = 10 EB = 9 R = 5

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; *ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-11M2-M2-030811	11	11C0345-BLK1	21		31	
2	OU3-11M-M-030811	12	11C0531- ↓	22		32	
3	OU3-11S-S-030811	13		23		33	
4	BE-MW-8-S-030811	14		24		34	
5	BE-MW-8-S-030811-R1	15		25		35	
6	OU3-4S-S-030811	16		26		36	
7	EW-21-S-030811 D	17		27		37	
8	EW-21-S-030811-Q1 D	18		28		38	
9	EW-21-S-030811-EB	19		29		39	
10	GW-L1-1-030811	20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc.	Report Limit	Units	Qualifier
PUC0525	8260B	5 (R)	1-4, 6-8	Bromodichloromethane	4.6	0.50	ug/L	-
				Chloroform	8.3	0.50	ug/L	-
				Dibromochloromethane	1.7	0.50	ug/L	-
		9 (EB)	same as above	Bromodichloromethane	3.9	0.50	ug/L	-
				Chloroform	6.1	0.50	ug/L	-
				Dibromochloromethane	1.5	0.50	ug/L	-
			3	Chloroform	0.73	0.50	ug/L	0.73U
			6	Chloroform	1.2	0.50	ug/L	1.2U
			7	Chloroform	0.80	0.50	ug/L	0.80U
			8	Chloroform	0.85	0.50	ug/L	0.85U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS %R	LCSD %R	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0525	8260B	11C0395-BS1/BSD1	1-5, 11C0395-BLK1	Vinyl acetate	176	190	54-149	7	21	Jdets/P
				Acetone	62	126	10-150	69	35	J/UJ/P
				2-Butanone	82	126	40-150	43	35	J/UJ/P
				2-Hexanone	91	146	44-150	46	31	J/UJ/P
	8260B	11C0~~395~~531-BS1/BSD1	6-10, 11C0531-BLK1	Acetone	141	155	10-150	9	35	Jdets/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

Field and Analytical Duplicate Results

Lab ID	Method	Sample ID	Component	Sample Concentration		Detection Limit		RPD (%)	RPD (%)	Difference	Difference	Qualifier
				Primary	Duplicate	Primary	Duplicate	Limits		Limits	DL's (ug/L)	
PUC0525	8260B	7,8	Chloroform	0.80	0.85	0.50	0.50	NA	NC	0.50	0.05	
			Trichloroethene	3.0	3.0	0.50	0.50	20%	0%	NA	NC	
Analytical Duplicate												

Notes:
ID = Identification number
% = Percent
ug/L = Microgram per liter
RPD = Relative percent difference

NA = Not apllicable
NC = Not calculated

LDC #: 25208H1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0637 Tier 1A Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: SW
2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/09/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client Spec.
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	TB = 3 EB = 4

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Water

1	GU3-14M-M-030911	11	IIC0507-BLK1	21		31	
2	OU3-12M-M-030911	12		22		32	
3	GW-L1-3-030911	13		23		33	
4	GW-EB2-030911	14		24		34	
5	GW-Z1-1-030911	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc	Report Limit	Units	Qualifier
PUC0637	8260B	3 (TB)	All except 3 (ND)	1,1,2-Trichloroethane	1.8	0.50	ug/L	-
		4 (EB)	1,2	Bromodichloromethane	3.5	0.50	ug/L	-
				Chloroform	5.2	0.50	ug/L	-
				Dibromochloromethane	1.3	0.50	ug/L	-
			1	Chloroform	0.65	0.50	ug/L	0.65U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0637	8260B	11C0567-BS1/BSD1	ALL	Iodomethane	139	103	58-138	30	25	J/UJ/P
				Vinyl acetate	156	116	54-149	29	21	J/UJ/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208I1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0731 Tier 1A Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: DE
2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/10/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client spec
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	TB = 5 EB = 4

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Water

+ 1	OU3-7S-S-031011	− 11	11C0599-BLK1	21		31	
+ 2	OU3-7M2-M-031011	12		22		32	
− 3	OU3-1D-D-031011	13		23		33	
+ 4	GW-EB3-031011	14		24		34	
− 5	GW-L1-4-031011	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc	Report Limit	Units	Qualifier
PUC0731	8260B	4 (EB)	1-3	Bromodichloromethane	3.6	0.50	ug/L	-
				Chloroform	5.4	0.50	ug/L	-
				Dibromochloromethane	1.2	0.50	ug/L	-
			1	Chloroform	1.1	0.50	ug/L	1.1U
			2	Chloroform	0.58	0.50	ug/L	0.58U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0731	8260B	11C0599-BS1/BSD1	ALL	Acetone	147	102	10-150	36	35	J/UJ/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208J1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0827 Tier 1A Page: 1of 1
Laboratory: Test America, Inc. Reviewer: SVG
2nd Reviewer: C

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/11/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 5 TB* = 6

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
*ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	OU3-9M2-M-031111	11	11C0694-BLK1	21		31	
2	OU3-9S-S-031111	12	11C0662-	22		32	
3	OU3-8D-D-031111	13		23		33	
4	OU3-8S-S-031111	14		24		34	
5	GW-EB4-031111	15		25		35	
6	GW-L1-5-031111	16		26		36	
7	OU3-9S-S-031111MS	17		27		37	
8	OU3-9S-S-031111MSD	18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc	Report Limit	Units	Qualifier
PUC0827	8260B	5 (EB)	1-4	Bromodichloromethane	3.4	0.50	ug/L	-
				Chloroform	4.5	0.50	ug/L	-
				Dibromochloromethane	1.2	0.50	ug/L	-
			1	Chloroform	1.4	0.50	ug/L	1.4U
			2	Chloroform	1.2	0.50	ug/L	1.2U
			4	Chloroform	1.4	0.50	ug/L	1.4U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Matrix Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Samples	Compound	MS (%R)	MSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0827	8260B	7,8	2	Iodomethane	142	116	47-141	20	29	Jdets/A
				1,1-Dichloroethene	107	86	75-125	22	20	Jdets/A
				Methylene chloride	107	85	74-132	23	20	Jdets/A
				Freon 113	106	82	65-140	26	20	Jdets/A

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0827	8260B	11C0662-BS1/BSD1	5,6, 11C0662-BLK1	Bromochloromethane	77	80	80-125	4	15	J/UJ/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208K1
SDG #: PUC0911
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/21/11
Page: 1 of 1
Reviewer: SVL
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/14/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 5 *TB = 6

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
* ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	OU3-6D-D-031411	11	IIC0758-BLK1	21		31	
2	OU3-6M-M-031411	12	IIC0662-	22		32	
3	EW-19D-D-031411	13		23		33	
4	OU3-2M-M-031411	14		24		34	
5	GW-EB5-031411	15		25		35	
6	GW-L1-6-031411	16		26		36	
7	OU3-6M-M-031411MS	17		27		37	
8	OU3-6M-M-031411MSD	18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc	Report Limit	Units	Qualifier
PUC0911	8260B	5 (EB)	1-4	Bromodichloromethane	1.6	0.50	ug/L	-
				Chloroform	1.8	0.50	ug/L	-
				Dibromochloromethane	0.88	0.50	ug/L	-
			2	Chloroform	1.3	0.50	ug/L	1.3U
			4	Chloroform	0.85	0.50	ug/L	0.85U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Matrix Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	MS (%R)	MSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0911	8260B	7,8	2	Methylene chloride	73	85	74-132	20	29 LO	J/UJ/A
				Bromomethane	76	99	55-136	26	24	Jdets/A
				Chloroform	73	89	70-130	18	15	Jdets/A

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC0911	8260B	11C0662-BS1/BSD1	2, 11C0662-BLK1	Bromochloromethane	77	80	80-125	4	15	J/UJ/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208L1 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0982 Tier 1A Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: JV6
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	SW	LCS 1
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 4 TB = 5

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	EWOU3-10S-R-S-031611	11	11C0791-BLK1	21		31	
2	OU3-10M-M-031611	12	11C0694-1	22		32	
3	OU3-10M2-M-031611	13		23		33	
4	GW-EB6-031611	14		24		34	
5	GW-L1-7-031611	15		25		35	
6	OU3-10M-M-031511MS	16		26		36	
7	OU3-10M-M-031511MSD	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc	Report Limit	Units	Qualifier
PUC0982	8260B	4 (EB)	1-3	Bromodichloromethane	3.3	0.50	ug/L	-
				Chloroform	5.2	0.50	ug/L	-
				Dibromochloromethane	1.1	0.50	ug/L	-
			1	Chloroform	1.9	0.50	ug/L	1.9U
			2	Chloroform	1.4	0.50	ug/L	1.4U
			3	Chloroform	0.88	0.50	ug/L	0.88U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (% R)	LCSD (% R)	Limit %R	RPD	RPD Limit	EDC Qualifier
PUC0982	8260B	11C0791-BS1/BSD1	1-4, 11C0791-BLK1	cis-1,2-Dichloroethene	79	78	80-120	4	15	J/UJ/P
				Iodomethane	153	99	58-138	43	25	~~Jdets/A~~ J / UJ / P
				Carbon disulfide	116	94	61-126	21	20	Jdets/A
				1,1-Dichloroethene	103	80	75-125	25	20	Jdets/A
				Methylene chloride	99	80	70-130	22	20	Jdets/A
				Freon 113	98	77	60-140	24	15	~~Jdets/A~~

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208M1
SDG #: PUC1002
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/21/11
Page: 1 of 1
Reviewer: ME
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	Client Spike PUC0982-07
VIII.	Laboratory control samples	SW	LCS ID
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = GW-EB6-031511 from PUC0982

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-108-S-031511	11	IIC0791-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Samples	Detected Compound	Reported Conc.	Report Limit	Units	Qualifier
PUC1002	8260B	GW-EB6-031511 (EB) (from PUC0982)	All	Bromodichloromethane	3.3	0.50	ug/L	-
				Chloroform	5.2	0.50	ug/L	-
				Dibromochloromethane	1.1	0.50	ug/L	-
			1	Chloroform	1.6	0.50	ug/L	1.6U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limits %R	RPD	RPD Limit	LDC Qualifier
PUC1002	8260B	11C0791-BS1/BSD1	All	cis-1,2-Dichloroethene	79	78	80-120	4	15	J/UJ/P
				Iodomethane	153	99	58-138	43	25	~~Jdets/A~~
				Carbon disulfide	116	94	61-126	21	20	Jdets/A
				1,1-Dichloroethene	103	80	75-125	25	20	Jdets/A
				Methylene chloride	99	80	70-130	22	20	Jdets/A
				Freon 113	98	77	60-140	24	15	~~Jdets/A~~

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208N1
SDG #: PUC1114
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/21/11
Page: 1 of 1
Reviewer: ML
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/16 /11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	PUC 0982-0Y
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 4 TB = 5

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	OU3-55R-S-031611	11	IL C0791-BLK1	21		31	
2	OU3-5DR-D-031611	12		22		32	
3	OU3-5M2-M-031611	13		23		33	
4	GW-EB7-031611	14		24		34	
5	GW-L1-S-031611	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc.	Report Limit	Units	Qualifier
PUC1114	8260B	4 (EB)	1-3	Bromodichloromethane	3.6	0.50	ug/L	-
				Chloroform	5.9	0.50	ug/L	-
				Dibromochloromethane	1.3	0.50	ug/L	-
			1	Chloroform	1.8	0.50	ug/L	1.8U
			3	Chloroform	0.82	0.50	ug/L	0.82U
		5 (TB)	1-4 (ND)	Methyl-tert-butyl ether	0.64	0.50	ug/L	-

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limits (%R)	RPD	RPD Limit	LCS/LCSD Qualifier
PUC1114	8260B	11C0791-BS1/BSD1	All	cis-1,2-Dichloroethene	79	78	80-120	4	15	J/UJ/P
				Iodomethane	153	99	58-138	43	25	Jdets/A
				Carbon disulfide	116	94	61-126	21	20	Jdets/A
				1,1-Dichloroethene	103	80	75-125	25	20	Jdets/A
				Methylene chloride	99	80	70-130	22	20	Jdets/A
				Freon 113	98	77	60-140	24	15	Jdets/A

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208O1 **VALIDATION COMPLETENESS WORKSHEET** Date: 9/21/11
SDG #: PUC1197 Tier 1A Page: 1 of 1
Laboratory: Test America, Inc. Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 7/17/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	SW	LCS 1b
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 2, 3
XVII.	Field blanks	SW	EB = 5 *TB = 6

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
*ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	GU3-13D-D-031711	11	11C0849-BLK1	21		31	
2	GU3-13M-M-031711 D	12		22		32	
3	GU13M-M-031711-Q1 D	13		23		33	
4	EW-20-S-031711	14		24		34	
5	GW-EB8-S-031711	15		25		35	
6	GW-L1-S-031711	16		26		36	
7	GW-EB8-S-031711MS	17		27		37	
8	GW-EB8-S-031711MSD	18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Samples	Detected Compound	Reported Conc.	Report Limit	Units	Qualifier
PUC1197	8260B	5 (EB)	1-4	Bromodichloromethane	3.2	0.50	ug/L	-
				Chloroform	4.9	0.50	ug/L	-
				Dibromochloromethane	1.2	0.50	ug/L	-
			4	Chloroform	1.0	0.50	ug/L	1.0U

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC1197	8260B	11C0849-BS1/BSD1	All	cis-1,2-Dichloroethene	80	78	80-120	3	15	J/UJ/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

Lab Batch	Method	Sample ID	Compound	Sample Concentration		Detection Limit		RPD (%)		Difference		Flag
				Primary	Duplicate	Primary	Duplicate	Limit	RPD (%)	Absolute	Difference	
PUC1197	8260B	2,3	cis-1,2-Dichloroethene	2.4	2.4	0.50	0.50	NA	NC	0.50	0.00	
			Trichloroethene	25	24	0.50	0.50	20%	4%	NA	NC	
			Tetrachloroethene	0.50U	0.55	0.50	0.50	NA	NC	0.50	0.05	
Analytical Duplicate												

Notes:
ID = Identification number
% = Percent
ug/L = Microgram per liter
RPD = Relative percent difference
NA = Not apllicable
NC = Not calculated

LDC #: 25208P1
SDG #: PUC1289
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Tier 1A

Date: 4/21/11
Page: 1 of 1
Reviewer: JVL
2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/18/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Client Spec.
VIII.	Laboratory control samples	SW	LCS 1D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	EB = 5 *TB = 6

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
*ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	EW-13-118-S-031811	11	11C0967-BLK1	21		31	
2	EW-13-168-M-031811	12		22		32	
3	EW-13-228-D-031811	13		23		33	
4	EW-13-268-D-031811	14		24		34	
5	GW-EB9-031811	15		25		35	
6	GW-L1-10-031811	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Field Blanks Detection

Lab Package	Method	Blank ID	Associated Sample	Detected Compound	Reported Conc.	Report Limit	Units	Qualifier
PUC1289	8260B	5 (EB)	1-4 (ND)	Bromodichloromethane	2.1	0.50	ug/L	-
				Chloroform	3.3	0.50	ug/L	-
				Dibromochloromethane	0.75	0.50	ug/L	-

Notes:
ID = Identification number
µg/L = micrograms per liter
EB = Equipment blank
TB = Trip blank
R = Rinsate
NA = Not applicable
U = Qualified as nondetected

V:\ERM ANG\25208G1.xls

Blank Spike Recoveries Outside of Acceptance Limits

Lab Package	Method	Spike ID	Associated Sample	Compound	LCS (%R)	LCSD (%R)	Limit %R	RPD	RPD Limit	LDC Qualifier
PUC1289	8260B	11C0967-BS1/BSD1	All	Vinyl acetate	147	150	57-149	2	21	Jdets/P

Notes:
ID = Identification number
%R = Percent recovery
RPD = Relative percent difference
MS/MSD = Matrix spike/matrix spike duplicate
Batch MS/MSD = The sample used for the spike came from a different analytical batch
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
NA = Not applicable

LDC #: 25208A2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/08/11
SDG #: PUC0526 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JM
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/08/11
II.	GC/MS instrument performance check	A	
III.	Initial calibration	A	%RSD ≤ 30% no CCC's
IV.	Continuing calibration/ICV	A	CCV/ICV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient sample
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	DT-DW-5-S-030811	11	IIC0359-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 75708 AV

VALIDATION FINDINGS CHECKLIST

Reviewer: JVR
2nd Reviewer: [illegible]

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
[illegible]				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
[illegible]				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
[illegible]				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) ≥ 0.05?	✓			
[illegible]				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
[illegible]				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
[illegible]				
Were all surrogate %R within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
[illegible]				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
[illegible]				
Was an LCS analyzed for this SDG?	✓			

LDC #: 15208 A2

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
System performance was found to be acceptable.	✓			
Overall assessment of data was found to be acceptable.	✓			
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

LDC #: 28847

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound
S= Standard deviation of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 20 std)	Recalculated RRF (RRF 20 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/5/2011	1,4-Dioxane (IS)	1.011	1.011	1.018	1.018	4.12	4.13
	GCMS 14								

Conc IS/Cpd	Area cpd	Area IS
20/20	261828	258958

Conc	1,4-Dioxane
0.5	0.973
1	1.050
2	1.052
4	1.067
10	1.050
20	1.011
30	0.998
40	1.018
100	0.940
X =	1.018
S =	0.042

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 15208A ✓

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = Initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated Internal standard
Cis = Concentration of Internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03141105	3/15/2011	1,4-Dioxane (IS)	1.018	1.053	1.053	3.4	3.4
	GCMS 14							

Cis/Cx	Compound (IS)	Ax	Ais
20/10	1,4-Dioxane (IS)	143271	272164

LDC #: 25208A2

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG
2nd reviewer: C

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	20	14.36	72	72	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 25388A~

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: JG
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 11C0359-BS1/BSD1

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol 1,4-Dioxane	20.0	28.0	18.0	20.6	90	90	103	103	14	14
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25208 A2

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JM
2nd reviewer: A

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

(Y) N N/A Were all reported results recalculated and verified for all level IV samples?
(Y) N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 1, 1,4-Dioxane

Conc. = $\frac{(7739)(20)(\quad)(\quad)(\quad)(\quad)}{(958357)(1.018)(\quad)(\quad)(\quad)(\quad)}$

= 1.10 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208B2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/07/11
SDG #: PUC0635 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JVL
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/09/11
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD ≤20% %CCC ↓
IV.	Continuing calibration/ICV	A	CCV/ICV ≤25% ↓
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient sample
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-14D-D-030911	11	~~H2O467 BLK~~	21		31	
2	OU3-12D-D-030911	12	11 CO426-BLK1	22		32	
3	SC-MW-1D-S-030911	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208B7

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: C

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
Were all surrogate %R within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
Was an LCS analyzed for this SDG?	✓			

LDC #: K708BV

VALIDATION FINDINGS CHECKLIST

Reviewer: JV
2nd Reviewer: C

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
Were performance evaluation (PE) samples performed?		✓		✓
Were the performance evaluation (PE) samples within the acceptance limits?				
Were internal standard area counts within -50% or +100% of the associated calibration standard?.	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
System performance was found to be acceptable.	✓			
Overall assessment of data was found to be acceptable.	✓			
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

LDC #: 25208 B-✓

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: ___ of ___
Reviewer: ___
2nd Reviewer: ___

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound
S= Standard deviation of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 20 std)	Recalculated RRF (RRF 20 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/5/2011	1,4-Dioxane (IS)	1.011	1.011	1.018	1.018	4.12	4.13
	GCMS 14								

Conc IS/Cpd	Area cpd	Area IS
20/20	261828	258958

Conc	1,4-Dioxane
0.5	0.973
1	1.050
2	1.052
4	1.067
10	1.050
20	1.011
30	0.998
40	1.018
100	0.940
X =	1.018
S =	0.042

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 B-v

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03141105	3/16/2011	1,4-Dioxane (IS)	1.018	1.053	1.053	3.4	3.4
	GCMS 14							

Cis/Cx	Compound (IS)	Ax	Ais
20/10	1,4-Dioxane (IS)	143271	272164

LDC #: 25208 BY

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVB
2nd reviewer: A

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	20	17.85	89	89	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 10208 B-V

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: MC
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 1104726-BS1 /BSD1

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,4-Dioxane	20.0	20.0	20.8	20.7	104	104	104	104	0.1	0.1
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25708B7

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JMe
2nd reviewer: C

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. _____ . MD

Conc. = ( )( )( )( )( ) / ( )( )( )( )( ) =

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208C2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/08/11
SDG #: PUC0730 Tier 3 Page: 1 of 1
Laboratory: Test America Inc. Reviewer: VL
2nd Reviewer: e

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/10/11
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD ≤ 30% no ccc
IV.	Continuing calibration/ICV	A	CCV/ICV ≤ 25% ↓
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples:

Water

1	OU3-1M-M-031011	11	11C0526-BK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208 CV

VALIDATION FINDINGS CHECKLIST

Reviewer: JVC
2nd Reviewer: C

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
Were all surrogate %R within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?				✓
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
Was an LCS analyzed for this SDG?				

LDC #: 25208 (CY

VALIDATION FINDINGS CHECKLIST

Reviewer: JW
2nd Reviewer: C

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
Were internal standard area counts within -50% or +100% of the associated calibration standard?.	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
System performance was found to be acceptable.	✓			
Overall assessment of data was found to be acceptable.	✓			
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

LDC #: 25208 C-✓

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JM
2nd Reviewer: ✓

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound
S= Standard deviation of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 20 std)	Recalculated RRF (RRF 20 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/5/2011	1,4-Dioxane (IS)	1.011	1.011	1.018	1.018	4.12	4.13
	GCMS 14								

Conc IS/Cpd	Area cpd	Area IS
20/20	261828	258958

Conc	1,4-Dioxane
0.5	0.973
1	1.050
2	1.052
4	1.067
10	1.050
20	1.011
30	0.998
40	1.018
100	0.940
X =	1.018
S =	0.042

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 CV

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer: CA

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03161108	3/16/2011	1,4-Dioxane (IS)	1.018	1.092	1.092	7.3	7.3
	GCMS 14							

Cis/Cx	Compound (IS)	Ax	Ais
20/10	1,4-Dioxane (IS)	128882	236131

LDC #: 25208C

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: MC
2nd reviewer: C

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	20	15.9	80	80	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 25208 C

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: DR
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: 11C0526-BS1 / BSD1

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~ 1,4-Dioxane	20.0	20.0	20.9	20.8	104	104	104	104	0.3	0.3
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25208 C2

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVL
2nd reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_t)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. _____, ND

Conc. = ( )( )( )( )( )
( )( )( )( )( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

RECALC.2S

LDC #: 25208D2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/07/11
SDG #: PUC0829 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: VV
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/11/11
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD ≤ 20% no CCCs
IV.	Continuing calibration/ICV	A	CCV/ICV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient sample
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable N = Not provided/applicable SW = See worksheet ND = No compounds detected R = Rinsate FB = Field blank D = Duplicate TB = Trip blank EB = Equipment blank

Validated Samples: Water

1	OU3-BM2-M-031111	11	IIC0526-BK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 24708 D7

VALIDATION FINDINGS CHECKLIST

Reviewer: JVB
2nd Reviewer: C

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?	✓			
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
Were all surrogate %R within QC limits?	✓			
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.		✓		
Was a MS/MSD analyzed every 20 samples of each matrix?		✓		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
Was an LCS analyzed for this SDG?	✓			

LDC #: 25208D2

VALIDATION FINDINGS CHECKLIST

Reviewer: JV
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
Were internal standard area counts within -50% or +100% of the associated calibration standard?.	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?		✓		
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?		✓		
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?		✓		
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?			✓	
System performance was found to be acceptable.	✓			
Overall assessment of data was found to be acceptable.	✓			
Field duplicate pairs were identified in this SDG.		✓		
Target compounds were detected in the field duplicates.			✓	
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

LDC #: 25208 D1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound
S= Standard deviation of the RRFs

A_{is} = Area of associated Internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 20 std)	Recalculated RRF (RRF 20 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/5/2011	1,4-Dioxane (IS)	1.011	1.011	1.018	1.018	4.12	4.13
	GCMS 14								

Conc IS/Cpd	Area cpd	Area IS
20/20	261828	258958

Conc	1,4-Dioxane
0.5	0.973
1	1.050
2	1.052
4	1.067
10	1.050
20	1.011
30	0.998
40	1.018
100	0.940
X =	1.018
S =	0.042

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC # 25208 (b)

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8270C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CCV)	Recalculated RRF (CCV)	Reported % D	Recalculated %D
1	03181106	3/16/2011	1,4-Dioxane (IS)	1.018	1.092	1.092	7.3	7.3
	GCMS 14							

Cis/Cx	Compound (IS)	Ax	Ais
20/10	1,4-Dioxane (IS)	128682	236131

LDC #: 15208 D2

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: SW
2nd reviewer: A

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	20	15.76	79	79	0
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 15208 DV

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: JVC
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration; SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: HC0526-bs1/bsd1

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
~~Phenol~~ 1,4-Dioxane	20.0	20.0	20.9	20.8	104	104	104	104	0.3	0.3
N-Nitroso-di-n-propylamine										
4-Chloro-3-methylphenol										
Acenaphthene										
Pentachlorophenol										
Pyrene										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 25208 DV

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JM
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. _____, _____MD

Conc. = ( )( )( )( )( )
( )( )( )( )( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #: 25208E2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/08/11
SDG #: PUC1004 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JM
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client spec (non-client)
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	EW-19S-S-031511	11	11C0614-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208F2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/07/11
SDG #: PUC1113 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JV
2nd Reviewer: C

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/16/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient sample
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-5MR-M-031611	11	11C0675-BLK1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 28208G2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0525 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JM
2nd Reviewer: A

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/08/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient volume
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	ND	D = 7, 8
XVII.	Field blanks	ND	EB = 9 R = 5

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Water

+ 1	OU3-11M2-M2-030811	11	11C0359-blk1	21		31	
+ 2	OU3-11M-M-030811	12		22		32	
- 3	OU3-11S-S-030811	13		23		33	
- 4	BE-MW-8-S-030811	14		24		34	
- 5	BE-MW-8-S-030811-R1	15		25		35	
- 6	OU3-4S-S-030811	16		26		36	
- 7	EW-21-S-030811 D	17		27		37	
- 8	EW-21-S-030811-Q1 D	18		28		38	
- 9	EW-21-S-030811-EB	19		29		39	
10		20		30		40	

LDC #: 26208H2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0637 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SW
2nd Reviewer: CA

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/09/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 3

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-14M-M-030911	11	11C0426-Blk1	21		31	
2	OU3-12M-M-030911	12		22		32	
3	GW-EB2-030911	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208I2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0731 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SVC
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/10/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 4

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Water

1	OU3-7S-S-031011	11	IIC0526-BLK1	21		31	
2	OU3-7M2-M-031011	12	IIC0675-1	22		32	
3	OU3-1D-D-031011	13		23		33	
4	GW-EB3-031011	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208J2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0827 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SVG
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/11/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 5

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-9M2-M-031111	11	11C0526 - BTK1	21		31	
2	OU3-9S-S-031111	12		22		32	
3	OU3-9D-D-031111	13		23		33	
4	OU3-8S-S-031111	14		24		34	
5	GW-EB4-031111	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208K2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0911 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: VV
2nd Reviewer:

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/14/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	FB = 5

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: Water

1	OU3-8D-D-031411	11	11C0614-BLK1	21		31	
2	OU3-6M-M-031411	12		22		32	
3	EW-19D-D-031411	13		23		33	
4	OU3-2M-M-031411	14		24		34	
5	GW-EB5-031411	15		25		35	
6	OU3-6M-M-031411MS	16		26		36	
7	OU3-6M-M-031411MSD	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208L2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC0982 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: GV6
2nd Reviewer: A

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 4

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: water

1	EWOU3-10S-R-S-031511	11	11C0614-BK1	21		31	
2	OU3-10M-M-031511	12		22		32	
3	OU3-10M2-M-031511	13		23		33	
4	GW-EB6-031511	14		24		34	
5	OU3-10M-M-031511MS	15		25		35	
6	OU3-10M-M-031511MSD	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208M2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC1002 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SVL
2nd Reviewer: CC

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/15/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	PUC 0982-0V
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = GW-EB6-031511 from PUC 0985

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: Water

+		-					
1	CUS-106-S-031511	11	11C0614-blk1	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208N2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC1114 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SVL
2nd Reviewer: C

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/16/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 4

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples:

Water

1	OU3-5SR-S-031611	11	11C0675-BLK1	21		31	
2	OU3-5DR-D-031611	12		22		32	
3	OU3-5M2-M-031611	13		23		33	
4	GW-EB7-031611	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Surrogate Recoveries out of Control Limits

Lab Package	Analysis Method	Sample ID	Surrogate	% Recovery	% Recovery Limits	Qualified Compound	Qualifier
PUC1114	8270C	1	Nitrobenzene-d5	161	38-125	All	Jdets/P

Notes:
ID = Identification number
% = Percent
J+ = Detected result qualified as estimated, biased high

LBC #: 2620SG2 **VALIDATION COMPLETENESS WORKSHEET** Date: 4/21/11
SDG #: PUC1197 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: SW
2nd Reviewer: A

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/17/11
II.	GC/MS instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	ND	D = 2, 3
XVII.	Field blanks	ND	EB = 5

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	OU3-13D-D-031711	11	11C0675-BLK1	21		31	
2	OU3-13M-M-031711 D	12		22		32	
3	OU13M-M-031711-Q1 D	13		23		33	
4	EW-20-S-031711	14		24		34	
5	GW-EB6-S-031711	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 25208P2 **VALIDATION COMPLETENESS WORKSHEET** Date: 9/21/11
SDG #: PUC1289 Tier 1A Page: 1 of 1
Laboratory: Test America Inc. Reviewer: JW
2nd Reviewer: A

METHOD: GC/MS 1,4-Dioxane (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 3/18/11
II.	GC/MS Instrument performance check	N	
III.	Initial calibration	N	
IV.	Continuing calibration/ICV	N	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	Insufficient vol.
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	EB = 5

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: Water

1	EW-13-116-S-031811	11		21		31	
2	EW-13-168-M-031811	12		22		32	
3	EW-13-228-D-031811	13		23		33	
4	EW-13-268-D-031811	14		24		34	
5	GW-EB9-031811	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	