

Consulting
Engineers and
Scientists

First Half 2016

Groundwater Monitoring Report

Jal Basin Station, Jal, New Mexico

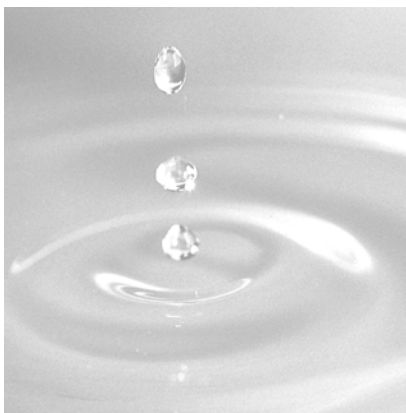
Submitted to:

Shell Oil Products US
308 Wilcox, No. 101
Castle Rock, CO 80104
303.663.2503

Submitted by:

GEI Consultants, Inc.
1862 Keller Parkway
Keller, TX 76248
817.380.3899

May 2016
1512680



Kyle E. Wicks
Staff Scientist

Shannon S. Walker, PE
Senior Engineer

Table of Contents

1.	Introduction	1
2.	Groundwater Measurements	1
3.	Groundwater Monitoring Activities	2
4.	Groundwater Monitoring Results	3
5.	Product Recovery Activities	3
6.	Conclusions and Recommendations	4
7.	References	4

Tables

1. Groundwater Measurements Table
2. Summary of Current, On-Site Laboratory Analytical Results for Groundwater

Figures

1. Site Map
2. Groundwater Elevation, March 2016
3. LNAPL Thickness, March 2016
4. Corrected GW Elevation (Avg) vs. LNAPL Thickness
5. COC Concentration, March 2016

Appendices

- A. Groundwater Sampling Laboratory Analytical Results with Chain-of-Custody Documentation

KEW:anc

P:\Projects\162 URS\Shell Jal\Jal Diesel\Annual OCD Rpts\2016

1. Introduction

GEI Consultants, Inc. (GEI, formerly H₂A Environmental, Ltd.) is pleased to provide this First Half 2016 Groundwater Monitoring Report for the Jal Basin Station (the Site), located south of Jal, in Lea County, New Mexico. Gauging and sampling activities were conducted at the Site from March 28 to April 1, 2016. Results of these monitoring and investigation activities are summarized herein. General site features and monitoring well locations are depicted in the Site Map, provided as Figure 1.

2. Groundwater Measurements

Groundwater monitoring activities commenced with gauging the depth to water and the depth to light non-aqueous phase liquid (LNAPL), if present, in all accessible monitoring wells on March 28, 2016. A summary of fluid level gauging is provided in Table 1, and the corresponding groundwater elevation isocontour map is provided as Figure 2. The groundwater flow direction was generally toward the west at the time of gauging, which is consistent with historic observations. Figure 3 summarizes the observed apparent NAPL thickness (ANT) isocontours at the time of gauging.

Figure 4 provides a historical summary of average calculated groundwater surface (CGWS) versus maximum, average, and minimum ANT. Following shut down of the recovery system in June 2008, ANT has increased as CGWS decreases, and decreased as CGWS increases, as expected at a site with unconfined NAPL.

In September 2015, it was noted that while the elevation of the CGWS was similar to that observed in March 2012, the maximum observed ANT at the Site in 2015 was approximately half of that observed in 2012. This is likely an indication that remaining LNAPL is being depleted via natural degradation processes ongoing at the Site (i.e., natural source zone depletion, or NSZD).

It should be noted that LNAPL was removed from wells MW-14 and MW-18 using a bailer following September 2015 gauging activities to observe recharge. The ANT noted at MW-14 following purging was 0.26 foot, and it had recharged to 0.30 foot, as noted during the March 2016 gauging and sampling event. The ANT noted at MW-18 following purging was 0.04 foot, and it had recharged to 0.38 foot, as noted during the March 2016 gauging and sampling event. The ANT noted at MW-18 was the maximum thickness observed at the Site in March 2016.

3. Groundwater Monitoring Activities

Groundwater samples were collected at all monitoring wells, including wells with a measurable ANT at the time of gauging, via low-flow sampling techniques for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), dissolved metals, and polycyclic aromatic hydrocarbons (PAHs) to evaluate the current extent of any remaining dissolved-phase impacts. Prior to sampling, each well was purged while monitoring for various geochemical parameters including turbidity, dissolved oxygen, temperature, pH, oxidation/reduction potential, and specific conductivity in accordance with U.S. Environmental Protection Agency (U.S. EPA) low flow sampling procedures (U.S. EPA 2010). Groundwater was monitored at 5-minute intervals until at least three parameters stabilized (i.e., demonstrated a difference of no more than 10 percent between successive samples). Following stabilization, the flow cell was removed and samples were collected directly from the well in appropriate containers.

Purged groundwater was placed in a polyethylene tank available onsite for disposal. Field personnel used a clean set of nitrile gloves at each well to eliminate the risk of cross-contamination. Dedicated tubing was used for sampling at each well, and all sampling equipment was decontaminated between wells.

Groundwater samples collected for analysis of BTEX compounds (Method SW846 8260B) were placed in sterile, 40-milliliter (mL) glass volatile organic analysis vials equipped with Teflon-lined caps and hydrochloric acid preservative, as provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed, and visually checked for the absence of air bubbles.

Groundwater samples collected for analysis of dissolved metals (Methods SW846 6010B and 7470A) were placed in 500-mL sterile plastic containers, as provided by the analytical laboratory. Samples were not filtered in the field. They were placed in unpreserved containers, to be filtered at the laboratory prior to analysis.

Groundwater samples collected for analysis of PAHs (Method SW846 8270C) were placed in unpreserved, sterile, 1-liter amber glass containers, as provided by the analytical laboratory.

Following collection, all sample containers were labeled, placed on ice in an insulated cooler, and chilled to an approximate temperature of 40 degrees Fahrenheit (4 degrees Celsius). The cooler was sealed prior to transport to the analytical laboratory. Proper chain-of-custody documentation was maintained throughout the sampling and shipping process.

4. Groundwater Monitoring Results

Results of the dissolved-phase analyses are provided in Table 2, and Figure 5 provides a summary of BTEX concentrations, the primary historical constituents of concern (COCs) at the Site. Copies of the certified laboratory reports with appropriate chain-of-custody documentation are provided in Appendix A.

The following COCs were detected concentrations in excess of the New Mexico (NM) Human Health Standards for groundwater (20.6.2.3103 NMAC) during the March 2016 sampling event.

- Benzene was detected in excess of the 0.01 mg/L standard in wells MW-18 (0.032 milligrams per liter, mg/L) and MW-20 (0.021 mg/L). These wells were not sampled in September 2015 due to the presence of measurable LNAPL; however, concentrations are consistent with results from the previous sampling event (March 2011), where benzene was detected at 0.026 mg/L in MW-18 and at 0.038 mg/L in well MW-20. Benzene was also detected above the NM standard in well MW-24 in March 2011 (0.018 mg/L); however, resent sampling results indicate the benzene concentration is now below the standard at 0.0065 mg/L.
- Barium was detected in excess of the 1.0 mg/L standard in wells MW-02 (4.2 mg/L), MW-18 (1.1 mg/L), MW-19 (1.4 mg/L), and MW-20 (4.3 mg/L). Presence of dissolved-phase barium in excess of the NM standard has historically been noted at wells MW-02, MW-03, MW-18, MW-19, and MW-20.
- Selenium was detected in excess of the 0.05 mg/L standard in well MW-16 (0.059 mg/L). Presence of dissolved-phase selenium in excess of the NM standard has historically been noted at wells MW-04, MW-06, MW-10, MW-16, MW-17, and MW-23.

All other detected concentrations were below the corresponding NM standards.

5. Product Recovery Activities

Active remediation at the Site utilizing a high vacuum remediation (HVR) system was initiated in January 2001 and system capacity was expanded in July 2002 via the addition of a second liquid ring pump. The system continued to operate through the first half of 2008;

however, as a result of diminished LNAPL recovery, it was turned off and an evaluation to determine the need for continued active remediation was initiated. When the system was shut down in June 2008, approximately 60,000 gallons of LNAPL had been recovered via active remediation efforts at the Site.

6. Conclusions and Recommendations

Based on recent (September 2015 and March 2016) monitoring activities, it is apparent that remaining LNAPL at the Site is degrading via natural processes. Dissolved-phase impacts have also continued to attenuate based on the comparison of recent monitoring activities as compared to the historic March 2012 sampling event. Therefore, GEI recommends meeting with the New Mexico Oil Conservation Division to discuss the *Technical Infeasibility Proposal* (H₂A 2012) submitted in October 2012, and results of recent monitoring activities, to identify an appropriate path to closure for the Site.

7. References

H₂A Environmental, Ltd. (H₂A)

2012 *Technical Infeasibility Proposal, Jal Basin Station, Jal, Lea County, New Mexico*. October 2012. Keller, TX.

U.S. Environmental Protection Agency (U.S. EPA)

2010 *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*. Washington, DC. (EQASOP-GW 001).

Tables

GROUNDWATER MEASUREMENTS TABLE

Jal Station Diesel Remediation

Jal, NM

MW-01

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2992.30	2994.62	TOC	85.00	94.50	93.42				2901.20

MW-02

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/31/2016	2987.02	2989.43	TOC	82.00	101.50	89.16				2900.27

MW-03

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.91	2990.81	TOC	85.00	100.00	90.08				2900.73

MW-04

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2988.22	2991.16	TOC	77.00	97.00	90.41				2900.75

MW-05

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2988.47	2991.38	TOC	80.00	95.00	90.42				2900.96

MW-06

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.40	2990.17	TOC	80.00	95.00	89.84				2900.33

MW-08

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.97	2990.73	TOC	80.00	95.00	90.35				2900.38

MW-09

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.39	2990.31	TOC	81.00	96.00	90.21				2900.10

GROUNDWATER MEASUREMENTS TABLE

Jal Station Diesel Remediation

Jal, NM

MW-11

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2989.37	2992.30	TOC	83.00	98.00	91.58				2900.72

MW-12

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.79	2990.99	TOC	81.00	96.00	91.24	91.09	0.15	0.830	2899.87

MW-13

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2989.79	2992.97	TOC	85.65	100.65	92.51				2900.46

MW-14

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2986.02	2989.12	TOC	86.20	101.20	89.74	89.44	0.30	0.830	2899.63

MW-16

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/31/2016	2985.80	2988.71	TOC	78.50	98.50	90.13				2898.58

MW-17

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/31/2016	2985.09	2987.77	TOC	80.00	100.00	89.56				2898.21

MW-18

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/29/2016	2987.16	2989.68	TOC	75.00	95.00	89.60	89.22	0.38	0.830	2900.40

MW-19

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2988.86	2991.92	TOC	80.00	100.00	91.41				2900.51

GROUNDWATER MEASUREMENTS TABLE

Jal Station Diesel Remediation

Jal, NM

MW-20

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2987.22	2989.64	TOC	75.00	95.00	89.98	89.76	0.22	0.830	2899.84

MW-21

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/31/2016	2986.63	2989.19	TOC	78.00	98.00	90.48				2898.71

MW-22

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2989.24	2991.56	TOC	80.00	100.00	90.90				2900.66

MW-23

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2986.90	2991.90	TOC	80.00	120.00	97.75				2894.15

MW-24

Sample Date	Grd. Surf. Elevation	TOC Elevation	Ref. Point	Depth of Screen		Depth to GW	Depth to LNAPL	LNAPL Thickness	LNAPL Spec.Grav.	Corrected GW Elev.
				Top	Bottom					
3/28/2016	2988.76	2993.76	TOC	77.00	117.00	98.10	98.07	0.03	0.830	2895.68

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-01

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	96-96	7.3E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	96-96	1.1E-01			
Acenaphthene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Acenaphthylene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Anthracene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Antimony	6010	3/30/2016	96-96	1.4E-02			
Arsenic	6010	3/30/2016	96-96		U	5.0E-03	1.0E-01
Barium	6010	3/30/2016	96-96	3.0E-02			1.0E+00
Benzene	8260	3/30/2016	96-96		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	96-96		U	9.3E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Beryllium	6010	3/30/2016	96-96		U	1.0E-03	
Cadmium	6010	3/30/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Cobalt	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	3/30/2016	96-96		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	96-96	1.3E-01			
Ethylbenzene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Fluorene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Lead	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	96-96		U	5.0E-04	
Molybdenum	6010	3/30/2016	96-96		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Nickel	6010	3/30/2016	96-96	1.3E-02			2.0E-01
Nitrobenzene-d5	8270	3/30/2016	96-96	6.0E-02			
o-Xylene	8260	3/30/2016	96-96		U	2.5E-04	
Phenanthrene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Pyrene	8270	3/30/2016	96-96		U	9.3E-05	3.0E-02
Selenium	6010	3/30/2016	96-96	2.4E-02			5.0E-02
Silver	6010	3/30/2016	96-96		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	96-96	8.6E-02			
Thallium	6010	3/30/2016	96-96		U	5.0E-03	

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-01

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	96-96	1.2E-01			
Total Mercury	7470	3/30/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	96-96		U	5.0E-04	6.2E-01
Vanadium	6010	3/30/2016	96-96	5.7E-02			
Zinc	6010	3/30/2016	96-96		U	1.0E-02	1.0E+01

MW-02

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	95-95	4.3E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	95-95	1.0E-01			
Acenaphthene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Acenaphthylene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Anthracene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Antimony	6010	3/31/2016	95-95		U	6.0E-03	
Arsenic	6010	3/31/2016	95-95	4.6E-02			1.0E-01
Barium	6010	3/31/2016	95-95	4.2E+00			1.0E+00
Benzene	8260	3/31/2016	95-95	1.0E-03			1.0E-02
Benzo(a)anthracene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	95-95		U	1.9E-03	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Beryllium	6010	3/31/2016	95-95		U	1.0E-03	
Cadmium	6010	3/31/2016	95-95		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	95-95	6.0E-03			5.0E-02
Chrysene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Cobalt	6010	3/31/2016	95-95		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	95-95		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	95-95	1.1E-01			
Ethylbenzene	8260	3/31/2016	95-95	3.1E-02			7.5E-01
Fluoranthene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Fluorene	8270	3/31/2016	95-95	4.8E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Lead	6010	3/31/2016	95-95		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	95-95	2.6E-03			
Molybdenum	6010	3/31/2016	95-95		U	1.0E-02	1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-02

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Naphthalene	8270	3/31/2016	95-95	9.9E-03			3.0E-02
Nickel	6010	3/31/2016	95-95		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	95-95			0.0E+00	
o-Xylene	8260	3/31/2016	95-95	5.5E-03			
Phenanthrene	8270	3/31/2016	95-95	4.9E-03			3.0E-02
Pyrene	8270	3/31/2016	95-95		U	1.9E-03	3.0E-02
Selenium	6010	3/31/2016	95-95		U	6.1E-03	5.0E-02
Silver	6010	3/31/2016	95-95		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	95-95	6.3E-02			
Thallium	6010	3/31/2016	95-95		U	5.0E-03	
Toluene	8260	3/31/2016	95-95		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	95-95	9.6E-02			
Total Mercury	7470	3/31/2016	95-95		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	95-95	8.1E-03			6.2E-01
Vanadium	6010	3/31/2016	95-95	5.0E-02			
Zinc	6010	3/31/2016	95-95		U	1.0E-02	1.0E+01

MW-03

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	97-97	3.4E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	97-97	1.1E-01			
Acenaphthene	8270	3/30/2016	97-97	4.4E-04			3.0E-02
Acenaphthylene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Anthracene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Antimony	6010	3/30/2016	97-97		U	6.0E-03	
Arsenic	6010	3/30/2016	97-97	4.8E-02			1.0E-01
Barium	6010	3/30/2016	97-97	9.1E-01			1.0E+00
Benzene	8260	3/30/2016	97-97		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	97-97		U	1.9E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Beryllium	6010	3/30/2016	97-97		U	1.0E-03	
Cadmium	6010	3/30/2016	97-97		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	97-97		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Cobalt	6010	3/30/2016	97-97		U	2.5E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-03

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Copper	6010	3/30/2016	97-97		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	97-97	1.2E-01			
Ethylbenzene	8260	3/30/2016	97-97	6.1E-03			7.5E-01
Fluoranthene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Fluorene	8270	3/30/2016	97-97	1.2E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Lead	6010	3/30/2016	97-97		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	97-97	3.5E-03			
Molybdenum	6010	3/30/2016	97-97		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	97-97	3.3E-03			3.0E-02
Nickel	6010	3/30/2016	97-97		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/30/2016	97-97	4.8E-02			
o-Xylene	8260	3/30/2016	97-97	7.7E-03			
Phenanthrene	8270	3/30/2016	97-97	8.8E-04			3.0E-02
Pyrene	8270	3/30/2016	97-97		U	1.9E-04	3.0E-02
Selenium	6010	3/30/2016	97-97	1.3E-02			5.0E-02
Silver	6010	3/30/2016	97-97		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	97-97	6.0E-02			
Thallium	6010	3/30/2016	97-97		U	5.0E-03	
Toluene	8260	3/30/2016	97-97	1.1E-03			7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	97-97	1.2E-01			
Total Mercury	7470	3/30/2016	97-97		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	97-97	1.1E-02			6.2E-01
Vanadium	6010	3/30/2016	97-97	3.6E-02			
Zinc	6010	3/30/2016	97-97		U	1.0E-02	1.0E+01

MW-04

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	96-96	4.7E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	96-96	1.1E-01			
Acenaphthene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Acenaphthylene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Anthracene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Antimony	6010	3/30/2016	96-96		U	6.0E-03	
Arsenic	6010	3/30/2016	96-96		U	5.0E-03	1.0E-01
Barium	6010	3/30/2016	96-96	3.6E-01			1.0E+00
Benzene	8260	3/30/2016	96-96		U	2.5E-04	1.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-04

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(a)anthracene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	96-96		U	4.7E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Beryllium	6010	3/30/2016	96-96		U	1.0E-03	
Cadmium	6010	3/30/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Cobalt	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	3/30/2016	96-96		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	96-96	1.2E-01			
Ethylbenzene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Fluorene	8270	3/30/2016	96-96	1.0E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Lead	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	96-96		U	5.0E-04	
Molybdenum	6010	3/30/2016	96-96		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Nickel	6010	3/30/2016	96-96		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/30/2016	96-96	3.5E-02			
o-Xylene	8260	3/30/2016	96-96		U	2.5E-04	
Phenanthrene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Pyrene	8270	3/30/2016	96-96		U	4.7E-04	3.0E-02
Selenium	6010	3/30/2016	96-96		U	6.1E-03	5.0E-02
Silver	6010	3/30/2016	96-96		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	96-96	6.8E-02			
Thallium	6010	3/30/2016	96-96		U	5.0E-03	
Toluene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	96-96	1.2E-01			
Total Mercury	7470	3/30/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	96-96		U	5.0E-04	6.2E-01
Vanadium	6010	3/30/2016	96-96	1.8E-02			
Zinc	6010	3/30/2016	96-96		U	1.0E-02	1.0E+01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-05

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	96-96	6.7E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	96-96	1.1E-01			
Acenaphthene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Acenaphthylene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Anthracene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Antimony	6010	3/30/2016	96-96		U	6.0E-03	
Arsenic	6010	3/30/2016	96-96	1.4E-02			1.0E-01
Barium	6010	3/30/2016	96-96	7.5E-02			1.0E+00
Benzene	8260	3/30/2016	96-96		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	96-96		U	9.5E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Beryllium	6010	3/30/2016	96-96		U	1.0E-03	
Cadmium	6010	3/30/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Cobalt	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	3/30/2016	96-96		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	96-96	1.3E-01			
Ethylbenzene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Fluorene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Lead	6010	3/30/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	96-96		U	5.0E-04	
Molybdenum	6010	3/30/2016	96-96		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Nickel	6010	3/30/2016	96-96		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/30/2016	96-96	6.4E-02			
o-Xylene	8260	3/30/2016	96-96		U	2.5E-04	
Phenanthrene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Pyrene	8270	3/30/2016	96-96		U	9.5E-05	3.0E-02
Selenium	6010	3/30/2016	96-96		U	6.1E-03	5.0E-02
Silver	6010	3/30/2016	96-96		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	96-96	6.4E-02			
Thallium	6010	3/30/2016	96-96		U	5.0E-03	

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-05

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	3/30/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	96-96	1.2E-01			
Total Mercury	7470	3/30/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	96-96		U	5.0E-04	6.2E-01
Vanadium	6010	3/30/2016	96-96	5.8E-02			
Zinc	6010	3/30/2016	96-96		U	1.0E-02	1.0E+01

MW-06

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	95-95	5.6E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	95-95	1.1E-01			
Acenaphthene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Acenaphthylene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Anthracene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Antimony	6010	3/29/2016	95-95		U	6.0E-03	
Arsenic	6010	3/29/2016	95-95	2.4E-02			1.0E-01
Barium	6010	3/29/2016	95-95	2.3E-01			1.0E+00
Benzene	8260	3/29/2016	95-95		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	95-95		U	5.1E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Beryllium	6010	3/29/2016	95-95		U	1.0E-03	
Cadmium	6010	3/29/2016	95-95		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	95-95	5.7E-03			5.0E-02
Chrysene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Cobalt	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
Copper	6010	3/29/2016	95-95		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	95-95	1.3E-01			
Ethylbenzene	8260	3/29/2016	95-95		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Fluorene	8270	3/29/2016	95-95	3.1E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Lead	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	95-95		U	5.0E-04	
Molybdenum	6010	3/29/2016	95-95		U	1.0E-02	1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-06

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Naphthalene	8270	3/29/2016	95-95	3.1E-03			3.0E-02
Nickel	6010	3/29/2016	95-95	1.5E-02			2.0E-01
Nitrobenzene-d5	8270	3/29/2016	95-95	2.4E-02			
o-Xylene	8260	3/29/2016	95-95		U	2.5E-04	
Phenanthrene	8270	3/29/2016	95-95	1.8E-03			3.0E-02
Pyrene	8270	3/29/2016	95-95		U	5.1E-04	3.0E-02
Selenium	6010	3/29/2016	95-95		U	6.1E-03	5.0E-02
Silver	6010	3/29/2016	95-95		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	95-95	5.6E-02			
Thallium	6010	3/29/2016	95-95		U	5.0E-03	
Toluene	8260	3/29/2016	95-95		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	95-95	1.2E-01			
Total Mercury	7470	3/29/2016	95-95		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	95-95		U	5.0E-04	6.2E-01
Vanadium	6010	3/29/2016	95-95	4.5E-02			
Zinc	6010	3/29/2016	95-95		U	1.0E-02	1.0E+01

MW-08

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	95-95	6.0E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	95-95	1.1E-01			
Acenaphthene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Acenaphthylene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Anthracene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Antimony	6010	3/29/2016	95-95		U	6.0E-03	
Arsenic	6010	3/29/2016	95-95	1.2E-02			1.0E-01
Barium	6010	3/29/2016	95-95	1.2E-01			1.0E+00
Benzene	8260	3/29/2016	95-95	7.7E-03			1.0E-02
Benzo(a)anthracene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	95-95		U	3.9E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Beryllium	6010	3/29/2016	95-95		U	1.0E-03	
Cadmium	6010	3/29/2016	95-95		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
Chrysene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Cobalt	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-08

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Copper	6010	3/29/2016	95-95		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	95-95	1.2E-01			
Ethylbenzene	8260	3/29/2016	95-95	1.2E-02			7.5E-01
Fluoranthene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Fluorene	8270	3/29/2016	95-95	1.4E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Lead	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	95-95	1.0E-03			
Molybdenum	6010	3/29/2016	95-95		U	1.0E-02	1.0E+00
Naphthalene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Nickel	6010	3/29/2016	95-95		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/29/2016	95-95	2.4E-02			
o-Xylene	8260	3/29/2016	95-95	2.4E-03			
Phenanthrene	8270	3/29/2016	95-95	8.6E-04			3.0E-02
Pyrene	8270	3/29/2016	95-95		U	3.9E-04	3.0E-02
Selenium	6010	3/29/2016	95-95		U	6.1E-03	5.0E-02
Silver	6010	3/29/2016	95-95		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	95-95	6.9E-02			
Thallium	6010	3/29/2016	95-95		U	5.0E-03	
Toluene	8260	3/29/2016	95-95		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	95-95	1.2E-01			
Total Mercury	7470	3/29/2016	95-95		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	95-95	3.4E-03			6.2E-01
Vanadium	6010	3/29/2016	95-95		U	5.0E-03	
Zinc	6010	3/29/2016	95-95		U	1.0E-02	1.0E+01

MW-09

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	95-95	7.6E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	95-95	1.1E-01			
Acenaphthene	8270	3/29/2016	95-95	1.7E-03			3.0E-02
Acenaphthylene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Anthracene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Antimony	6010	3/29/2016	95-95		U	6.0E-03	
Arsenic	6010	3/29/2016	95-95	2.6E-02			1.0E-01
Barium	6010	3/29/2016	95-95	2.7E-01			1.0E+00
Benzene	8260	3/29/2016	95-95	1.3E-03			1.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-09

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(a)anthracene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	95-95		U	4.9E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Beryllium	6010	3/29/2016	95-95		U	1.0E-03	
Cadmium	6010	3/29/2016	95-95		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
Chrysene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Cobalt	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
Copper	6010	3/29/2016	95-95		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	95-95	1.2E-01			
Ethylbenzene	8260	3/29/2016	95-95	4.2E-03			7.5E-01
Fluoranthene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Fluorene	8270	3/29/2016	95-95	4.0E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	95-95		U	4.9E-04	3.0E-02
Lead	6010	3/29/2016	95-95		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	95-95		U	5.0E-04	
Molybdenum	6010	3/29/2016	95-95		U	1.0E-02	1.0E+00
Naphthalene	8270	3/29/2016	95-95	6.6E-03			3.0E-02
Nickel	6010	3/29/2016	95-95		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/29/2016	95-95	4.4E-02			
o-Xylene	8260	3/29/2016	95-95	1.1E-03			
Phenanthrene	8270	3/29/2016	95-95	4.2E-03			3.0E-02
Pyrene	8270	3/29/2016	95-95	1.2E-03			3.0E-02
Selenium	6010	3/29/2016	95-95		U	6.1E-03	5.0E-02
Silver	6010	3/29/2016	95-95		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	95-95	9.2E-02			
Thallium	6010	3/29/2016	95-95		U	5.0E-03	
Toluene	8260	3/29/2016	95-95		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	95-95	1.2E-01			
Total Mercury	7470	3/29/2016	95-95		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	95-95	1.1E-03			6.2E-01
Vanadium	6010	3/29/2016	95-95		U	5.0E-03	
Zinc	6010	3/29/2016	95-95		U	1.0E-02	1.0E+01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-11

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	97-97	7.0E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	97-97	1.1E-01			
Acenaphthene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Acenaphthylene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Anthracene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Antimony	6010	3/29/2016	97-97		U	6.0E-03	
Arsenic	6010	3/29/2016	97-97	1.7E-02			1.0E-01
Barium	6010	3/29/2016	97-97	2.7E-02			1.0E+00
Benzene	8260	3/29/2016	97-97		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	97-97		U	9.4E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Beryllium	6010	3/29/2016	97-97		U	1.0E-03	
Cadmium	6010	3/29/2016	97-97		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02
Chrysene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Cobalt	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02
Copper	6010	3/29/2016	97-97		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	97-97	1.2E-01			
Ethylbenzene	8260	3/29/2016	97-97		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Fluorene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Lead	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	97-97		U	5.0E-04	
Molybdenum	6010	3/29/2016	97-97		U	1.0E-02	1.0E+00
Naphthalene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Nickel	6010	3/29/2016	97-97		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/29/2016	97-97	6.5E-02			
o-Xylene	8260	3/29/2016	97-97		U	2.5E-04	
Phenanthrene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Pyrene	8270	3/29/2016	97-97		U	9.4E-05	3.0E-02
Selenium	6010	3/29/2016	97-97	1.0E-02			5.0E-02
Silver	6010	3/29/2016	97-97		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	97-97	7.8E-02			
Thallium	6010	3/29/2016	97-97		U	5.0E-03	

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-11

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	3/29/2016	97-97		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	97-97	1.2E-01			
Total Mercury	7470	3/29/2016	97-97		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	97-97		U	5.0E-04	6.2E-01
Vanadium	6010	3/29/2016	97-97	5.6E-02			
Zinc	6010	3/29/2016	97-97		U	1.0E-02	1.0E+01

MW-12

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	95-95	7.7E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	95-95	9.0E-02			
Acenaphthene	8270	3/31/2016	95-95	3.7E-03			3.0E-02
Acenaphthylene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Anthracene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Antimony	6010	3/31/2016	95-95		U	6.0E-03	
Arsenic	6010	3/31/2016	95-95		U	5.0E-03	1.0E-01
Barium	6010	3/31/2016	95-95	2.4E-01			1.0E+00
Benzene	8260	3/31/2016	95-95		U	2.5E-03	1.0E-02
Benzo(a)anthracene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	95-95		U	4.8E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Beryllium	6010	3/31/2016	95-95		U	1.0E-03	
Cadmium	6010	3/31/2016	95-95		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	95-95		U	2.5E-03	5.0E-02
Chrysene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Cobalt	6010	3/31/2016	95-95		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	95-95		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	95-95	1.1E-01			
Ethylbenzene	8260	3/31/2016	95-95		U	2.5E-03	7.5E-01
Fluoranthene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Fluorene	8270	3/31/2016	95-95	1.2E-02			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	95-95		U	4.8E-04	3.0E-02
Lead	6010	3/31/2016	95-95		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	95-95		U	5.0E-03	
Molybdenum	6010	3/31/2016	95-95		U	1.0E-02	1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-12

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Naphthalene	8270	3/31/2016	95-95	8.6E-03			3.0E-02
Nickel	6010	3/31/2016	95-95		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	95-95			0.0E+00	
o-Xylene	8260	3/31/2016	95-95		U	2.5E-03	
Phenanthrene	8270	3/31/2016	95-95	1.5E-02			3.0E-02
Pyrene	8270	3/31/2016	95-95	8.9E-03			3.0E-02
Selenium	6010	3/31/2016	95-95		U	6.1E-03	5.0E-02
Silver	6010	3/31/2016	95-95		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	95-95	1.3E-01			
Thallium	6010	3/31/2016	95-95		U	5.0E-03	
Toluene	8260	3/31/2016	95-95		U	2.5E-03	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	95-95	1.0E-01			
Total Mercury	7470	3/31/2016	95-95		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	95-95		U	5.0E-03	6.2E-01
Vanadium	6010	3/31/2016	95-95		U	5.0E-03	
Zinc	6010	3/31/2016	95-95		U	1.0E-02	1.0E+01

MW-13

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	97-97	6.8E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	97-97	1.1E-01			
Acenaphthene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Acenaphthylene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Anthracene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Antimony	6010	3/29/2016	97-97		U	6.0E-03	
Arsenic	6010	3/29/2016	97-97	1.8E-02			1.0E-01
Barium	6010	3/29/2016	97-97	1.4E-01			1.0E+00
Benzene	8260	3/29/2016	97-97		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	97-97		U	9.1E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Beryllium	6010	3/29/2016	97-97		U	1.0E-03	
Cadmium	6010	3/29/2016	97-97		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02
Chrysene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Cobalt	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-13

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Copper	6010	3/29/2016	97-97		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	97-97	1.3E-01			
Ethylbenzene	8260	3/29/2016	97-97		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Fluorene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Lead	6010	3/29/2016	97-97		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	97-97		U	5.0E-04	
Molybdenum	6010	3/29/2016	97-97		U	1.0E-02	1.0E+00
Naphthalene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Nickel	6010	3/29/2016	97-97		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/29/2016	97-97	6.6E-02			
o-Xylene	8260	3/29/2016	97-97		U	2.5E-04	
Phenanthrene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Pyrene	8270	3/29/2016	97-97		U	9.1E-05	3.0E-02
Selenium	6010	3/29/2016	97-97		U	6.1E-03	5.0E-02
Silver	6010	3/29/2016	97-97		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	97-97	7.8E-02			
Thallium	6010	3/29/2016	97-97		U	5.0E-03	
Toluene	8260	3/29/2016	97-97		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	97-97	1.2E-01			
Total Mercury	7470	3/29/2016	97-97		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	97-97		U	5.0E-04	6.2E-01
Vanadium	6010	3/29/2016	97-97	5.3E-02			
Zinc	6010	3/29/2016	97-97		U	1.0E-02	1.0E+01

MW-14

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	96-96	1.6E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	96-96	9.6E-02			
Acenaphthene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Acenaphthylene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Anthracene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Antimony	6010	3/31/2016	96-96		U	6.0E-03	
Arsenic	6010	3/31/2016	96-96		U	5.0E-03	1.0E-01
Barium	6010	3/31/2016	96-96	2.9E-01			1.0E+00
Benzene	8260	3/31/2016	96-96	4.3E-03			1.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-14

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzo(a)anthracene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	96-96		U	1.9E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Beryllium	6010	3/31/2016	96-96		U	1.0E-03	
Cadmium	6010	3/31/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	96-96		U	2.5E-03	5.0E-02
Chrysene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Cobalt	6010	3/31/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	96-96		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	96-96	1.0E-01			
Ethylbenzene	8260	3/31/2016	96-96	3.1E-03			7.5E-01
Fluoranthene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Fluorene	8270	3/31/2016	96-96	5.0E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	96-96		U	1.9E-04	3.0E-02
Lead	6010	3/31/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	96-96		U	5.0E-04	
Molybdenum	6010	3/31/2016	96-96		U	1.0E-02	1.0E+00
Naphthalene	8270	3/31/2016	96-96	4.3E-03			3.0E-02
Nickel	6010	3/31/2016	96-96		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	96-96			0.0E+00	
o-Xylene	8260	3/31/2016	96-96	1.6E-03			
Phenanthrene	8270	3/31/2016	96-96	1.6E-02			3.0E-02
Pyrene	8270	3/31/2016	96-96	4.1E-03			3.0E-02
Selenium	6010	3/31/2016	96-96		U	6.1E-03	5.0E-02
Silver	6010	3/31/2016	96-96		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	96-96	9.8E-02			
Thallium	6010	3/31/2016	96-96		U	5.0E-03	
Toluene	8260	3/31/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	96-96	1.1E-01			
Total Mercury	7470	3/31/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	96-96	1.6E-03			6.2E-01
Vanadium	6010	3/31/2016	96-96	1.6E-02			
Zinc	6010	3/31/2016	96-96		U	1.0E-02	1.0E+01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-16

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	98-98	6.2E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	98-98	1.4E-01			
Acenaphthene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Acenaphthylene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Anthracene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Antimony	6010	3/31/2016	98-98		U	6.0E-03	
Arsenic	6010	3/31/2016	98-98		U	5.0E-03	1.0E-01
Barium	6010	3/31/2016	98-98	2.8E-02			1.0E+00
Benzene	8260	3/31/2016	98-98		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	98-98		U	9.6E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Beryllium	6010	3/31/2016	98-98		U	1.0E-03	
Cadmium	6010	3/31/2016	98-98		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Chrysene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Cobalt	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	98-98		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	98-98	1.1E-01			
Ethylbenzene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Fluorene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Lead	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	98-98		U	5.0E-04	
Molybdenum	6010	3/31/2016	98-98		U	1.0E-02	1.0E+00
Naphthalene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Nickel	6010	3/31/2016	98-98		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	98-98	6.8E-02			
o-Xylene	8260	3/31/2016	98-98		U	2.5E-04	
Phenanthrene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Pyrene	8270	3/31/2016	98-98		U	9.6E-05	3.0E-02
Selenium	6010	3/31/2016	98-98	5.9E-02			5.0E-02
Silver	6010	3/31/2016	98-98		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	98-98	8.2E-02			
Thallium	6010	3/31/2016	98-98		U	5.0E-03	

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-16

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	98-98	1.1E-01			
Total Mercury	7470	3/31/2016	98-98		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	98-98		U	5.0E-04	6.2E-01
Vanadium	6010	3/31/2016	98-98	6.3E-02			
Zinc	6010	3/31/2016	98-98		U	1.0E-02	1.0E+01

MW-17

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	98-98	5.9E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	98-98	9.8E-02			
Acenaphthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Acenaphthylene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Antimony	6010	3/31/2016	98-98		U	6.0E-03	
Arsenic	6010	3/31/2016	98-98	1.2E-02			1.0E-01
Barium	6010	3/31/2016	98-98	4.0E-02			1.0E+00
Benzene	8260	3/31/2016	98-98		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	98-98		U	9.7E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Beryllium	6010	3/31/2016	98-98		U	1.0E-03	
Cadmium	6010	3/31/2016	98-98		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Chrysene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Cobalt	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	98-98		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	98-98	1.0E-01			
Ethylbenzene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Fluorene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Lead	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	98-98		U	5.0E-04	
Molybdenum	6010	3/31/2016	98-98		U	1.0E-02	1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-17

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Naphthalene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Nickel	6010	3/31/2016	98-98		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	98-98	6.3E-02			
o-Xylene	8260	3/31/2016	98-98		U	2.5E-04	
Phenanthrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Pyrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Selenium	6010	3/31/2016	98-98	1.2E-02			5.0E-02
Silver	6010	3/31/2016	98-98		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	98-98	6.6E-02			
Thallium	6010	3/31/2016	98-98		U	5.0E-03	
Toluene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	98-98	1.1E-01			
Total Mercury	7470	3/31/2016	98-98		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	98-98		U	5.0E-04	6.2E-01
Vanadium	6010	3/31/2016	98-98	5.3E-02			
Zinc	6010	3/31/2016	98-98		U	1.0E-02	1.0E+01

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
4-Bromofluorobenzene (Surr)	8260	4/1/2016	96-96	9.9E-02			
Antimony	6010	4/1/2016	96-96		U	6.0E-03	
Arsenic	6010	4/1/2016	96-96	1.6E-02			1.0E-01
Barium	6010	4/1/2016	96-96	1.1E+00			1.0E+00
Benzene	8260	4/1/2016	96-96	3.2E-02			1.0E-02
Beryllium	6010	4/1/2016	96-96		U	1.0E-03	
Cadmium	6010	4/1/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
Cobalt	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	4/1/2016	96-96		U	5.0E-03	1.0E+00
Dibromofluoromethane (Surr)	8260	4/1/2016	96-96	1.0E-01			
Ethylbenzene	8260	4/1/2016	96-96	6.9E-02			7.5E-01
Lead	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	4/1/2016	96-96	4.0E-03			
Molybdenum	6010	4/1/2016	96-96		U	1.0E-02	1.0E+00
Nickel	6010	4/1/2016	96-96		U	5.0E-03	2.0E-01
o-Xylene	8260	4/1/2016	96-96	2.5E-03			
Selenium	6010	4/1/2016	96-96		U	6.1E-03	5.0E-02
Silver	6010	4/1/2016	96-96		U	5.0E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-18

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Thallium	6010	4/1/2016	96-96		U	5.0E-03	
Toluene	8260	4/1/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	4/1/2016	96-96	1.1E-01			
Total Mercury	7470	4/1/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	4/1/2016	96-96	6.5E-03			6.2E-01
Vanadium	6010	4/1/2016	96-96		U	5.0E-03	
Zinc	6010	4/1/2016	96-96		U	1.0E-02	1.0E+01

MW-19

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	98-98	9.0E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	98-98	1.0E-01			
Acenaphthene	8270	3/30/2016	98-98	8.0E-04			3.0E-02
Acenaphthylene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Anthracene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Antimony	6010	3/30/2016	98-98		U	6.0E-03	
Arsenic	6010	3/30/2016	98-98	1.6E-02			1.0E-01
Barium	6010	3/30/2016	98-98	1.4E+00			1.0E+00
Benzene	8260	3/30/2016	98-98	1.1E-03			1.0E-02
Benzo(a)anthracene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	98-98		U	1.9E-04	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Beryllium	6010	3/30/2016	98-98		U	1.0E-03	
Cadmium	6010	3/30/2016	98-98		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Cobalt	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
Copper	6010	3/30/2016	98-98		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	98-98	1.0E-01			
Ethylbenzene	8260	3/30/2016	98-98	1.2E-02			7.5E-01
Fluoranthene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Fluorene	8270	3/30/2016	98-98	2.2E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	98-98		U	1.9E-04	3.0E-02
Lead	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	98-98	2.1E-02			

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-19

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Molybdenum	6010	3/30/2016	98-98		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	98-98	4.9E-03			3.0E-02
Nickel	6010	3/30/2016	98-98	1.1E-02			2.0E-01
Nitrobenzene-d5	8270	3/30/2016	98-98	5.8E-02			
o-Xylene	8260	3/30/2016	98-98	2.1E-02			
Phenanthrene	8270	3/30/2016	98-98	1.1E-03			3.0E-02
Pyrene	8270	3/30/2016	98-98	4.0E-04			3.0E-02
Selenium	6010	3/30/2016	98-98		U	6.1E-03	5.0E-02
Silver	6010	3/30/2016	98-98		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	98-98	7.4E-02			
Thallium	6010	3/30/2016	98-98		U	5.0E-03	
Toluene	8260	3/30/2016	98-98	7.5E-04			7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	98-98	1.0E-01			
Total Mercury	7470	3/30/2016	98-98		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	98-98	4.2E-02			6.2E-01
Vanadium	6010	3/30/2016	98-98	1.2E-02			
Zinc	6010	3/30/2016	98-98		U	1.0E-02	1.0E+01

MW-20

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	4/1/2016	96-96	4.2E-02			
4-Bromofluorobenzene (Surr)	8260	4/1/2016	96-96	9.5E-02			
Acenaphthene	8270	4/1/2016	96-96	1.5E-03			3.0E-02
Acenaphthylene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Anthracene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Antimony	6010	4/1/2016	96-96		U	6.0E-03	
Arsenic	6010	4/1/2016	96-96	2.3E-02			1.0E-01
Barium	6010	4/1/2016	96-96	4.3E+00			1.0E+00
Benzene	8260	4/1/2016	96-96	2.1E-02			1.0E-02
Benzo(a)anthracene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Benzo(a)pyrene	8270	4/1/2016	96-96		U	3.8E-04	7.0E-04
Benzo(b)fluoranthene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Benzo(g,h,i)perylene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Benzo(k)fluoranthene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Beryllium	6010	4/1/2016	96-96		U	1.0E-03	
Cadmium	6010	4/1/2016	96-96		U	2.0E-03	1.0E-02
Chromium	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
Chrysene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-20

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Cobalt	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
Copper	6010	4/1/2016	96-96		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Dibromofluoromethane (Surr)	8260	4/1/2016	96-96	9.6E-02			
Ethylbenzene	8260	4/1/2016	96-96	3.4E-02			7.5E-01
Fluoranthene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Fluorene	8270	4/1/2016	96-96	4.6E-03			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	4/1/2016	96-96		U	3.8E-04	3.0E-02
Lead	6010	4/1/2016	96-96		U	2.5E-03	5.0E-02
m,p-Xylene	8260	4/1/2016	96-96	3.2E-03			
Molybdenum	6010	4/1/2016	96-96		U	1.0E-02	1.0E+00
Naphthalene	8270	4/1/2016	96-96	1.4E-02			3.0E-02
Nickel	6010	4/1/2016	96-96		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	4/1/2016	96-96	1.5E-01			
o-Xylene	8260	4/1/2016	96-96	1.7E-03			
Phenanthrene	8270	4/1/2016	96-96	6.1E-03			3.0E-02
Pyrene	8270	4/1/2016	96-96	2.2E-03			3.0E-02
Selenium	6010	4/1/2016	96-96		U	6.1E-03	5.0E-02
Silver	6010	4/1/2016	96-96		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	4/1/2016	96-96	6.8E-02			
Thallium	6010	4/1/2016	96-96		U	5.0E-03	
Toluene	8260	4/1/2016	96-96		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	4/1/2016	96-96	9.8E-02			
Total Mercury	7470	4/1/2016	96-96		U	1.0E-04	2.0E-03
Total Xylenes	8260	4/1/2016	96-96	4.9E-03			6.2E-01
Vanadium	6010	4/1/2016	96-96		U	5.0E-03	
Zinc	6010	4/1/2016	96-96		U	1.0E-02	1.0E+01

MW-21

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/31/2016	98-98	5.3E-02			
4-Bromofluorobenzene (Surr)	8260	3/31/2016	98-98	9.8E-02			
Acenaphthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Acenaphthylene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Antimony	6010	3/31/2016	98-98		U	6.0E-03	
Arsenic	6010	3/31/2016	98-98	1.3E-02			1.0E-01
Barium	6010	3/31/2016	98-98	6.5E-02			1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-21

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Benzene	8260	3/31/2016	98-98		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(a)pyrene	8270	3/31/2016	98-98		U	9.7E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Beryllium	6010	3/31/2016	98-98		U	1.0E-03	
Cadmium	6010	3/31/2016	98-98		U	2.0E-03	1.0E-02
Chromium	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Chrysene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Cobalt	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
Copper	6010	3/31/2016	98-98		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/31/2016	98-98	1.0E-01			
Ethylbenzene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Fluorene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Lead	6010	3/31/2016	98-98		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/31/2016	98-98		U	5.0E-04	
Molybdenum	6010	3/31/2016	98-98		U	1.0E-02	1.0E+00
Naphthalene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Nickel	6010	3/31/2016	98-98		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/31/2016	98-98	5.7E-02			
o-Xylene	8260	3/31/2016	98-98		U	2.5E-04	
Phenanthrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Pyrene	8270	3/31/2016	98-98		U	9.7E-05	3.0E-02
Selenium	6010	3/31/2016	98-98		U	6.1E-03	5.0E-02
Silver	6010	3/31/2016	98-98		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/31/2016	98-98	7.3E-02			
Thallium	6010	3/31/2016	98-98		U	5.0E-03	
Toluene	8260	3/31/2016	98-98		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/31/2016	98-98	1.0E-01			
Total Mercury	7470	3/31/2016	98-98		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/31/2016	98-98		U	5.0E-04	6.2E-01
Vanadium	6010	3/31/2016	98-98	4.6E-02			
Zinc	6010	3/31/2016	98-98		U	1.0E-02	1.0E+01

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/30/2016	98-98	2.4E-02			
4-Bromofluorobenzene (Surr)	8260	3/30/2016	98-98	9.9E-02			
Acenaphthene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Acenaphthylene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Anthracene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Antimony	6010	3/30/2016	98-98		U	6.0E-03	
Arsenic	6010	3/30/2016	98-98		U	5.0E-03	1.0E-01
Barium	6010	3/30/2016	98-98	5.9E-02			1.0E+00
Benzene	8260	3/30/2016	98-98		U	2.5E-04	1.0E-02
Benzo(a)anthracene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Benzo(a)pyrene	8270	3/30/2016	98-98		U	9.6E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Beryllium	6010	3/30/2016	98-98		U	1.0E-03	
Cadmium	6010	3/30/2016	98-98		U	2.0E-03	1.0E-02
Chromium	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
Chrysene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Cobalt	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
Copper	6010	3/30/2016	98-98		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/30/2016	98-98	1.1E-01			
Ethylbenzene	8260	3/30/2016	98-98		U	2.5E-04	7.5E-01
Fluoranthene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Fluorene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Lead	6010	3/30/2016	98-98		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/30/2016	98-98		U	5.0E-04	
Molybdenum	6010	3/30/2016	98-98		U	1.0E-02	1.0E+00
Naphthalene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Nickel	6010	3/30/2016	98-98		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/30/2016	98-98	3.1E-02			
o-Xylene	8260	3/30/2016	98-98		U	2.5E-04	
Phenanthrene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Pyrene	8270	3/30/2016	98-98		U	9.6E-05	3.0E-02
Selenium	6010	3/30/2016	98-98		U	6.1E-03	5.0E-02
Silver	6010	3/30/2016	98-98		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/30/2016	98-98	6.8E-02			
Thallium	6010	3/30/2016	98-98		U	5.0E-03	

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-22

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Toluene	8260	3/30/2016	98-98		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/30/2016	98-98	1.0E-01			
Total Mercury	7470	3/30/2016	98-98		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/30/2016	98-98		U	5.0E-04	6.2E-01
Vanadium	6010	3/30/2016	98-98	4.3E-02			
Zinc	6010	3/30/2016	98-98		U	1.0E-02	1.0E+01

MW-23

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	3/29/2016	108-108	8.6E-02			
4-Bromofluorobenzene (Surr)	8260	3/29/2016	108-108	1.1E-01			
Acenaphthene	8270	3/29/2016	108-108	3.0E-04			3.0E-02
Acenaphthylene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Anthracene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Antimony	6010	3/29/2016	108-108		U	6.0E-03	
Arsenic	6010	3/29/2016	108-108	1.3E-02			1.0E-01
Barium	6010	3/29/2016	108-108	2.0E-01			1.0E+00
Benzene	8260	3/29/2016	108-108	1.3E-03			1.0E-02
Benzo(a)anthracene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Benzo(a)pyrene	8270	3/29/2016	108-108		U	9.3E-05	7.0E-04
Benzo(b)fluoranthene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Benzo(g,h,i)perylene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Benzo(k)fluoranthene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Beryllium	6010	3/29/2016	108-108		U	1.0E-03	
Cadmium	6010	3/29/2016	108-108		U	2.0E-03	1.0E-02
Chromium	6010	3/29/2016	108-108		U	2.5E-03	5.0E-02
Chrysene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Cobalt	6010	3/29/2016	108-108		U	2.5E-03	5.0E-02
Copper	6010	3/29/2016	108-108		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	3/29/2016	108-108	1.2E-01			
Ethylbenzene	8260	3/29/2016	108-108	3.2E-03			7.5E-01
Fluoranthene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Fluorene	8270	3/29/2016	108-108	8.1E-04			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Lead	6010	3/29/2016	108-108		U	2.5E-03	5.0E-02
m,p-Xylene	8260	3/29/2016	108-108		U	5.0E-04	
Molybdenum	6010	3/29/2016	108-108		U	1.0E-02	1.0E+00

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

Jal Station Diesel Remediation

Jal, NM

MW-23

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Naphthalene	8270	3/29/2016	108-108	2.3E-03			3.0E-02
Nickel	6010	3/29/2016	108-108		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	3/29/2016	108-108	7.5E-02			
o-Xylene	8260	3/29/2016	108-108	2.6E-03			
Phenanthrene	8270	3/29/2016	108-108	5.0E-04			3.0E-02
Pyrene	8270	3/29/2016	108-108		U	9.3E-05	3.0E-02
Selenium	6010	3/29/2016	108-108		U	6.1E-03	5.0E-02
Silver	6010	3/29/2016	108-108		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	3/29/2016	108-108	9.8E-02			
Thallium	6010	3/29/2016	108-108		U	5.0E-03	
Toluene	8260	3/29/2016	108-108		U	2.5E-04	7.5E-01
Toluene-d8 (Surr)	8260	3/29/2016	108-108	1.2E-01			
Total Mercury	7470	3/29/2016	108-108		U	1.0E-04	2.0E-03
Total Xylenes	8260	3/29/2016	108-108	2.6E-03			6.2E-01
Vanadium	6010	3/29/2016	108-108	2.4E-02			
Zinc	6010	3/29/2016	108-108		U	1.0E-02	1.0E+01

MW-24

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
2-Fluorobiphenyl (Surr)	8270	4/1/2016	107-107	1.7E-02			
4-Bromofluorobenzene (Surr)	8260	4/1/2016	107-107	1.1E-01			
Acenaphthene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Acenaphthylene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Anthracene	8270	4/1/2016	107-107	2.2E-03			3.0E-02
Antimony	6010	4/1/2016	107-107		U	6.0E-03	
Arsenic	6010	4/1/2016	107-107	1.5E-02			1.0E-01
Barium	6010	4/1/2016	107-107	8.2E-01			1.0E+00
Benzene	8260	4/1/2016	107-107	6.5E-03			1.0E-02
Benzo(a)anthracene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Benzo(a)pyrene	8270	4/1/2016	107-107		U	9.6E-05	7.0E-04
Benzo(b)fluoranthene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Benzo(g,h,i)perylene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Benzo(k)fluoranthene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Beryllium	6010	4/1/2016	107-107		U	1.0E-03	
Cadmium	6010	4/1/2016	107-107		U	2.0E-03	1.0E-02
Chromium	6010	4/1/2016	107-107	6.0E-03			5.0E-02
Chrysene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Cobalt	6010	4/1/2016	107-107		U	2.5E-03	5.0E-02

Table 2
SUMMARY OF CURRENT, ON-SITE LABORATORY ANALYTICAL RESULTS
FOR GROUNDWATER

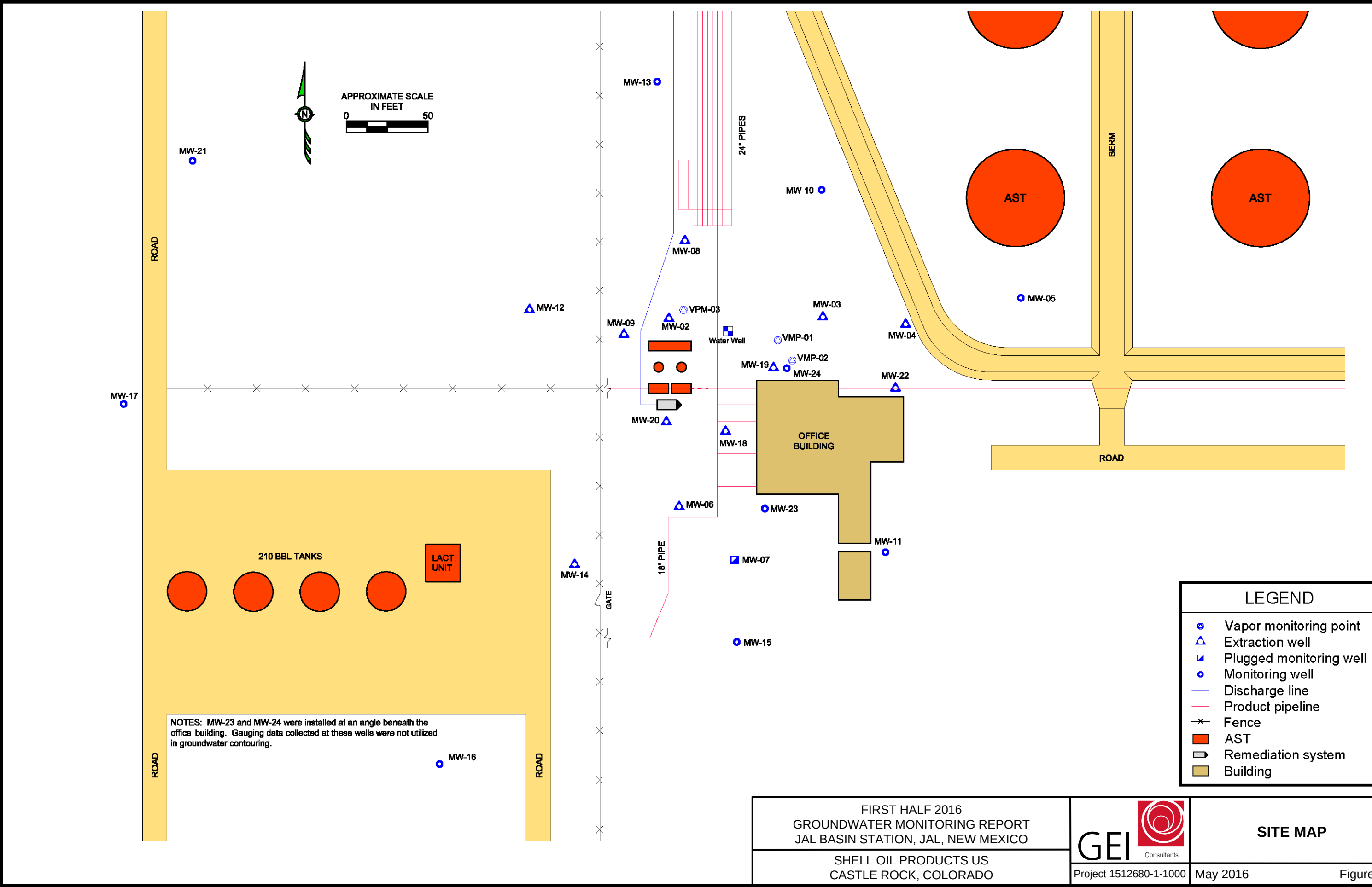
Jal Station Diesel Remediation

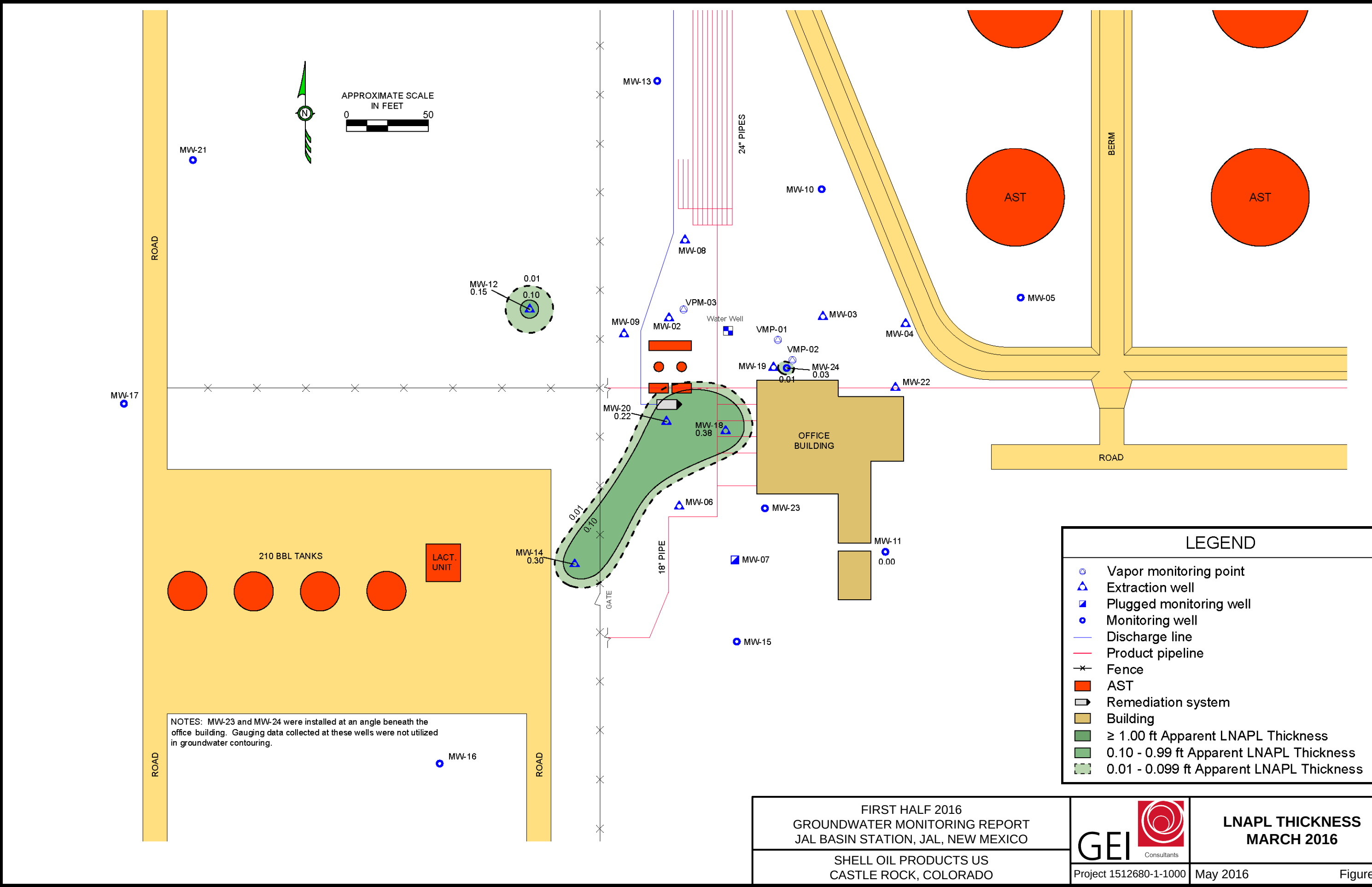
Jal, NM

MW-24

Analyte	Analytical Method	Sample Date	Sample Depth (ft)	Detected Conc.	Flag	Non-detect SQLs	New Mexico Standard
Copper	6010	4/1/2016	107-107		U	5.0E-03	1.0E+00
Dibenzo(a,h)anthracene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Dibromofluoromethane (Surr)	8260	4/1/2016	107-107	1.2E-01			
Ethylbenzene	8260	4/1/2016	107-107	6.6E-03			7.5E-01
Fluoranthene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Fluorene	8270	4/1/2016	107-107	9.7E-04			3.0E-02
Indeno(1,2,3-cd)pyrene	8270	4/1/2016	107-107		U	9.6E-05	3.0E-02
Lead	6010	4/1/2016	107-107		U	2.5E-03	5.0E-02
m,p-Xylene	8260	4/1/2016	107-107		U	5.0E-04	
Molybdenum	6010	4/1/2016	107-107		U	1.0E-02	1.0E+00
Naphthalene	8270	4/1/2016	107-107	3.7E-03			3.0E-02
Nickel	6010	4/1/2016	107-107		U	5.0E-03	2.0E-01
Nitrobenzene-d5	8270	4/1/2016	107-107	3.7E-02			
o-Xylene	8260	4/1/2016	107-107	5.3E-03			
Phenanthrene	8270	4/1/2016	107-107	1.9E-03			3.0E-02
Pyrene	8270	4/1/2016	107-107	4.5E-04			3.0E-02
Selenium	6010	4/1/2016	107-107		U	6.1E-03	5.0E-02
Silver	6010	4/1/2016	107-107		U	5.0E-03	5.0E-02
Terphenyl-d14	8270	4/1/2016	107-107	7.9E-02			
Thallium	6010	4/1/2016	107-107		U	5.0E-03	
Toluene	8260	4/1/2016	107-107	1.1E-03			7.5E-01
Toluene-d8 (Surr)	8260	4/1/2016	107-107	1.2E-01			
Total Mercury	7470	4/1/2016	107-107		U	1.0E-04	2.0E-03
Total Xylenes	8260	4/1/2016	107-107	5.3E-03			6.2E-01
Vanadium	6010	4/1/2016	107-107	1.4E-01			
Zinc	6010	4/1/2016	107-107		U	1.0E-02	1.0E+01

Figures



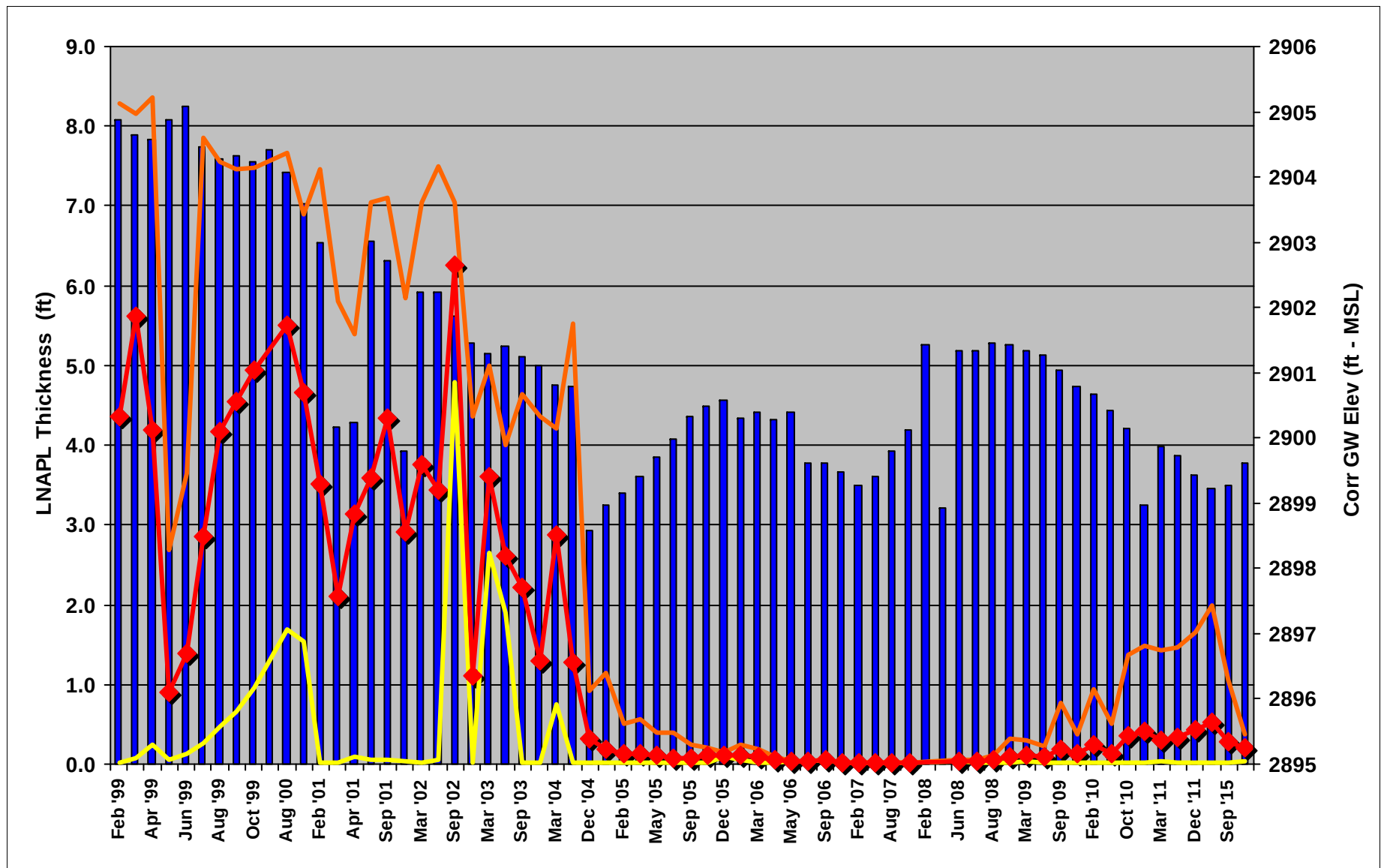


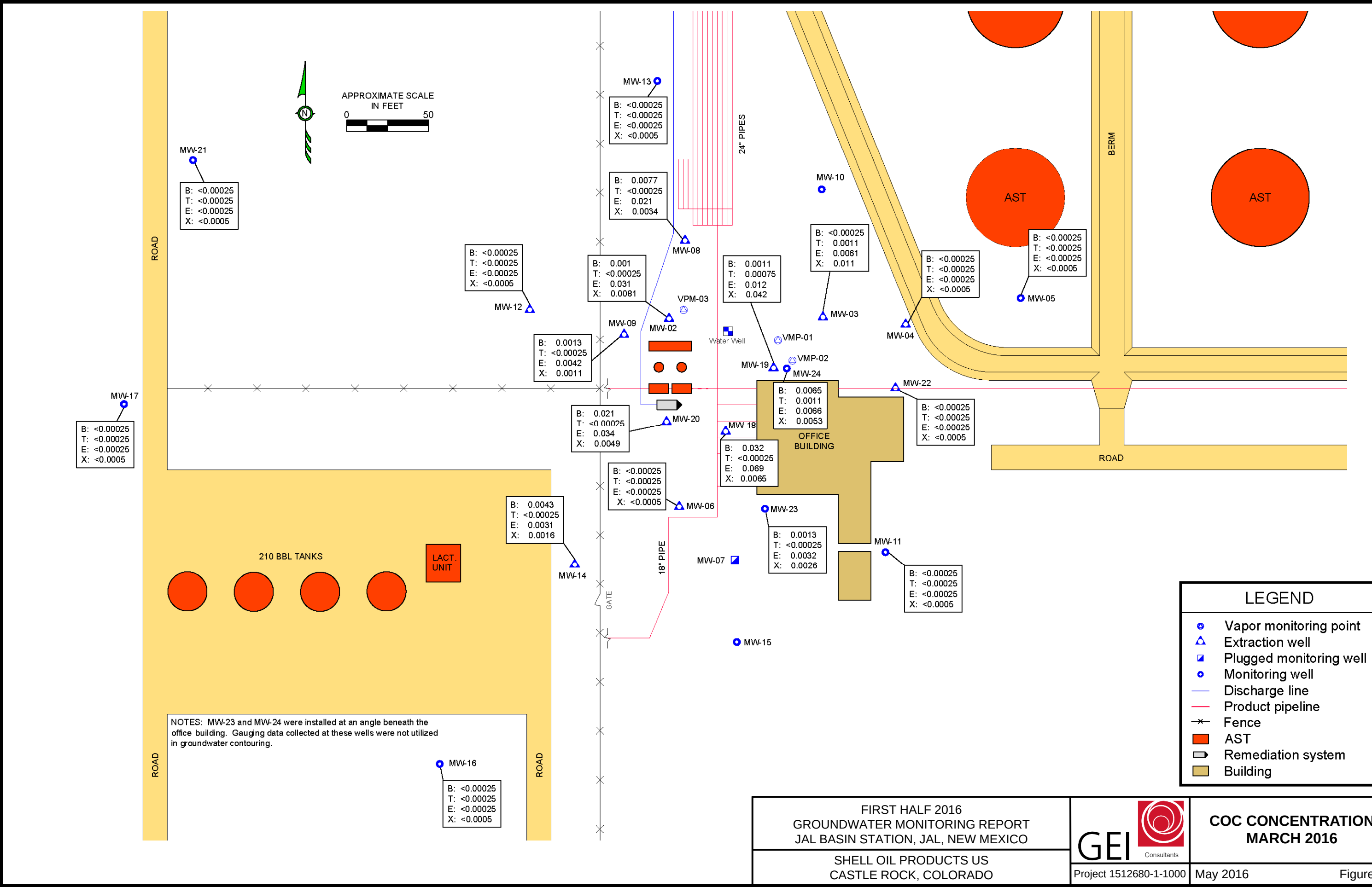
106.001
Shell Oil Products US
Jal Station Diesel Remediation

Jal, NM

Figure 4
Corrected GW Elevation (Avg)
vs. LNAPL Thickness

Mean Corr GW Elev 
Maximum LNAPL 
Mean LNAPL 
Minimum LNAPL 





Appendix A

Groundwater Sampling Laboratory Analytical Results with Chain-of-Custody Documentation

ANALYTICAL REPORT

Job Number: 440-143182-1

Job Description: EQPL Basin Jal Pump Station

For:
AECOM Technical Services Inc.
7720 North 16th Street
Suite 100
Phoenix, AZ 85020
Attention: Mr. Iain Olness



Approved for release.
Beth Riley
Project Manager II
4/20/2016 12:27 PM

Beth Riley, Project Manager II
880 Riverside Parkway, West Sacramento, CA, 95605
(714)258-8610
beth.riley@testamericainc.com
04/20/2016

Table of Contents

Cover Title Page	1
Data Summaries	5
Definitions	5
Case Narrative	6
Detection Summary	7
Client Sample Results	9
Default Detection Limits	18
Surrogate Summary	19
QC Sample Results	20
QC Association	27
Chronicle	30
Certification Summary	33
Method Summary	34
Sample Summary	35
Manual Integration Summary	36
Reagent Traceability	41
Organic Sample Data	80
GC/MS VOA	80
Method 8260B Low Level	80
Method 8260B Low Level QC Summary	81
Method 8260B Low Level Sample Data	92
Standards Data	99
Method 8260B Low Level ICAL Data	99
Method 8260B Low Level CCAL Data	115
Raw QC Data	121
Method 8260B Low Level Blank Data	121

Table of Contents

Method 8260B Low Level LCS/LCSD Data	122
Method 8260B Low Level MS/MSD Data	123
Method 8260B Low Level Run Logs	125
GC/MS Semi VOA	127
Method 8270C SIM	127
Method 8270C SIM QC Summary	128
Method 8270C SIM Sample Data	143
Standards Data	150
Method 8270C SIM ICAL Data	150
Method 8270C SIM Resolution Data	154
Method 8270C SIM CCAL Data	157
Raw QC Data	161
Method 8270C SIM Blank Data	161
Method 8270C SIM LCS/LCSD Data	163
Method 8270C SIM Run Logs	167
Method 8270C SIM Prep Data	171
Inorganic Sample Data	175
Metals Data	175
Met Cover Page	176
Met Sample Data	177
Met QC Data	184
Met ICV/CCV	184
Met CRQL	188
Met Blanks	190
Met ICSA/ICSAB	194
Met MS/MSD/PDS	196

Table of Contents

Met LCS/LCSD	200
Met MDL	202
Met IECF	206
Met Linear Ranges	214
Met Preparation Log	216
Met Analysis Run Log	218
Met Prep Data	222
Shipping and Receiving Documents	230
Client Chain of Custody	231
Sample Receipt Checklist	232

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Qualifiers

Metals

Qualifier	Qualifier Description
M4	The analysis of the spike sample required a dilution such that the spike concentration was diluted below the reporting limit. The method control sample recovery was acceptable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
440-143182-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, pH 6 of was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-09 (440-143182-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322273 and analytical batch 440-322558. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322773 and analytical batch 440-324076. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010B: The continuing calibration blank (CCB) for analytical batch 440-324248 contained Antimony above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-06

Lab Sample ID: 440-143182-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	3.1		1.0		ug/L	5		8270C SIM	Total/NA
Naphthalene	3.1		1.0		ug/L	5		8270C SIM	Total/NA
Phenanthrene	1.8		1.0		ug/L	5		8270C SIM	Total/NA
Arsenic	0.024		0.010		mg/L	1		6010B	Dissolved
Barium	0.23		0.010		mg/L	1		6010B	Dissolved
Chromium	0.0057		0.0050		mg/L	1		6010B	Dissolved
Nickel	0.015		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.045		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-08

Lab Sample ID: 440-143182-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.7		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	12		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	1.0		1.0		ug/L	1		8260B	Total/NA
o-Xylene	2.4		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	3.4		1.0		ug/L	1		8260B	Total/NA
Fluorene	1.4		0.79		ug/L	4		8270C SIM	Total/NA
Phenanthrene	0.86		0.79		ug/L	4		8270C SIM	Total/NA
Arsenic	0.012		0.010		mg/L	1		6010B	Dissolved
Barium	0.12		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-09

Lab Sample ID: 440-143182-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	4.2		0.50		ug/L	1		8260B	Total/NA
o-Xylene	1.1		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	1.1		1.0		ug/L	1		8260B	Total/NA
Acenaphthene	1.7		0.98		ug/L	5		8270C SIM	Total/NA
Fluorene	4.0		0.98		ug/L	5		8270C SIM	Total/NA
Naphthalene	6.6		0.98		ug/L	5		8270C SIM	Total/NA
Phenanthrene	4.2		0.98		ug/L	5		8270C SIM	Total/NA
Pyrene	1.2		0.98		ug/L	5		8270C SIM	Total/NA
Arsenic	0.026		0.010		mg/L	1		6010B	Dissolved
Barium	0.27		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 440-143182-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.017		0.010		mg/L	1		6010B	Dissolved
Barium	0.027		0.010		mg/L	1		6010B	Dissolved
Selenium	0.010		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.056		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 440-143182-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		0.010		mg/L	1		6010B	Dissolved
Barium	0.14		0.010		mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 440-143182-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.053		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-23

Lab Sample ID: 440-143182-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	3.2		0.50		ug/L	1		8260B	Total/NA
o-Xylene	2.6		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	2.6		1.0		ug/L	1		8260B	Total/NA
Acenaphthene	0.30		0.19		ug/L	1		8270C SIM	Total/NA
Fluorene	0.81		0.19		ug/L	1		8270C SIM	Total/NA
Naphthalene	2.3		0.19		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.50		0.19		ug/L	1		8270C SIM	Total/NA
Arsenic	0.013		0.010		mg/L	1		6010B	Dissolved
Barium	0.20		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.024		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-24

Lab Sample ID: 440-143182-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.5		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	6.6		0.50		ug/L	1		8260B	Total/NA
o-Xylene	5.3		0.50		ug/L	1		8260B	Total/NA
Toluene	1.1		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	5.3		1.0		ug/L	1		8260B	Total/NA
Anthracene	2.2		0.19		ug/L	1		8270C SIM	Total/NA
Fluorene	0.97		0.19		ug/L	1		8270C SIM	Total/NA
Naphthalene	3.7		0.19		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.9		0.19		ug/L	1		8270C SIM	Total/NA
Pyrene	0.45		0.19		ug/L	1		8270C SIM	Total/NA
Arsenic	0.015		0.010		mg/L	1		6010B	Dissolved
Barium	0.82		0.010		mg/L	1		6010B	Dissolved
Chromium	0.0060		0.0050		mg/L	1		6010B	Dissolved
Vanadium	0.14		0.010		mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-06

Date Collected: 03/29/16 17:43

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 16:10	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 16:10	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 16:10	1
o-Xylene	ND		0.50		ug/L			04/07/16 16:10	1
Toluene	ND		0.50		ug/L			04/07/16 16:10	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		80 - 120		04/07/16 16:10	1
Dibromofluoromethane (Surr)	126		76 - 132		04/07/16 16:10	1
Toluene-d8 (Surr)	118		80 - 128		04/07/16 16:10	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Acenaphthylene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Anthracene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Benzo[a]anthracene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Benzo[a]pyrene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Benzo[b]fluoranthene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Benzo[g,h,i]perylene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Benzo[k]fluoranthene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Chrysene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Dibenz(a,h)anthracene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Fluoranthene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Fluorene	3.1		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Indeno[1,2,3-cd]pyrene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Naphthalene	3.1		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Phenanthrene	1.8		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5
Pyrene	ND		1.0		ug/L		04/05/16 10:08	04/06/16 14:26	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		50 - 104	04/05/16 10:08	04/06/16 14:26	5
Nitrobenzene-d5	24		46 - 109	04/05/16 10:08	04/06/16 14:26	5
Terphenyl-d14	56		28 - 124	04/05/16 10:08	04/06/16 14:26	5

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Arsenic	0.024		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Barium	0.23		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:16	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:16	1
Chromium	0.0057		0.0050		mg/L		04/13/16 08:57	04/14/16 11:16	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:16	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:16	1
Nickel	0.015		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-06

Date Collected: 03/29/16 17:43

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-1

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Vanadium	0.045		0.010		mg/L		04/13/16 08:57	04/14/16 11:16	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:32	1

Client Sample ID: MW-08

Date Collected: 03/29/16 14:29

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.7		0.50		ug/L			04/07/16 16:39	1
Ethylbenzene	12		0.50		ug/L			04/07/16 16:39	1
m,p-Xylene	1.0		1.0		ug/L			04/07/16 16:39	1
o-Xylene	2.4		0.50		ug/L			04/07/16 16:39	1
Toluene	ND		0.50		ug/L			04/07/16 16:39	1
Xylenes, Total	3.4		1.0		ug/L			04/07/16 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		04/07/16 16:39	1
Dibromofluoromethane (Surr)	124		76 - 132		04/07/16 16:39	1
Toluene-d8 (Surr)	117		80 - 128		04/07/16 16:39	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Acenaphthylene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Anthracene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Benzo[a]anthracene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Benzo[a]pyrene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Benzo[b]fluoranthene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Benzo[g,h,i]perylene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Benzo[k]fluoranthene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Chrysene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Dibenz(a,h)anthracene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Fluoranthene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Fluorene	1.4		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Indeno[1,2,3-cd]pyrene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Naphthalene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Phenanthrene	0.86		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4
Pyrene	ND		0.79		ug/L		04/05/16 10:08	04/06/16 14:47	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		50 - 104	04/05/16 10:08	04/06/16 14:47	4
Nitrobenzene-d5	24		46 - 109	04/05/16 10:08	04/06/16 14:47	4
Terphenyl-d14	69		28 - 124	04/05/16 10:08	04/06/16 14:47	4

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-08

Date Collected: 03/29/16 14:29

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-2

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Arsenic	0.012		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Barium	0.12		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:18	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:18	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:18	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:18	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:18	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Vanadium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:18	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:30	1

Client Sample ID: MW-09

Date Collected: 03/29/16 16:02

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.3		0.50		ug/L			04/07/16 17:09	1
Ethylbenzene	4.2		0.50		ug/L			04/07/16 17:09	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 17:09	1
o-Xylene	1.1		0.50		ug/L			04/07/16 17:09	1
Toluene	ND		0.50		ug/L			04/07/16 17:09	1
Xylenes, Total	1.1		1.0		ug/L			04/07/16 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		04/07/16 17:09	1
Dibromofluoromethane (Surr)	123		76 - 132		04/07/16 17:09	1
Toluene-d8 (Surr)	118		80 - 128		04/07/16 17:09	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.7		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Acenaphthylene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Anthracene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Benzo[a]anthracene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Benzo[a]pyrene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Benzo[b]fluoranthene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Benzo[g,h,i]perylene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Benzo[k]fluoranthene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Chrysene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-09

Date Collected: 03/29/16 16:02

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-3

Matrix: Water

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Fluoranthene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Fluorene	4.0		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Indeno[1,2,3-cd]pyrene	ND		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Naphthalene	6.6		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Phenanthrene	4.2		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5
Pyrene	1.2		0.98		ug/L		04/05/16 10:08	04/06/16 15:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		50 - 104	04/05/16 10:08	04/06/16 15:07	5
Nitrobenzene-d5	44		46 - 109	04/05/16 10:08	04/06/16 15:07	5
Terphenyl-d14	92		28 - 124	04/05/16 10:08	04/06/16 15:07	5

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Arsenic	0.026		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Barium	0.27		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:21	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:21	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:21	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:21	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:21	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Vanadium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:21	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:27	1

Client Sample ID: MW-11

Date Collected: 03/29/16 10:25

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 13:42	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 13:42	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 13:42	1
o-Xylene	ND		0.50		ug/L			04/07/16 13:42	1
Toluene	ND		0.50		ug/L			04/07/16 13:42	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		04/07/16 13:42	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-11

Date Collected: 03/29/16 10:25

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	123		76 - 132		04/07/16 13:42	1
Toluene-d8 (Surr)	119		80 - 128		04/07/16 13:42	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Acenaphthylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Benzo[a]anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Benzo[a]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Chrysene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Fluorene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Naphthalene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Phenanthrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1
Pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		50 - 104	04/05/16 10:08	04/06/16 15:28	1
Nitrobenzene-d5	65		46 - 109	04/05/16 10:08	04/06/16 15:28	1
Terphenyl-d14	78		28 - 124	04/05/16 10:08	04/06/16 15:28	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Arsenic	0.017		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Barium	0.027		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:23	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:23	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:23	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:23	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:23	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Selenium	0.010		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Vanadium	0.056		0.010		mg/L		04/13/16 08:57	04/14/16 11:23	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:24	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-13

Date Collected: 03/29/16 13:15

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 14:12	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 14:12	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 14:12	1
o-Xylene	ND		0.50		ug/L			04/07/16 14:12	1
Toluene	ND		0.50		ug/L			04/07/16 14:12	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		04/07/16 14:12	1
Dibromofluoromethane (Surr)	129		76 - 132		04/07/16 14:12	1
Toluene-d8 (Surr)	116		80 - 128		04/07/16 14:12	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Acenaphthylene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Anthracene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Benzo[a]anthracene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Benzo[a]pyrene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Benzo[b]fluoranthene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Benzo[g,h,i]perylene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Benzo[k]fluoranthene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Chrysene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Dibenz(a,h)anthracene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Fluoranthene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Fluorene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Indeno[1,2,3-cd]pyrene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Naphthalene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Phenanthrene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1
Pyrene	ND		0.18		ug/L		04/05/16 10:08	04/06/16 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		50 - 104	04/05/16 10:08	04/06/16 15:49	1
Nitrobenzene-d5	66		46 - 109	04/05/16 10:08	04/06/16 15:49	1
Terphenyl-d14	78		28 - 124	04/05/16 10:08	04/06/16 15:49	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Arsenic	0.018		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Barium	0.14		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:25	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:25	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:25	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:25	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:25	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-13

Date Collected: 03/29/16 13:15

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-5

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Vanadium	0.053		0.010		mg/L		04/13/16 08:57	04/14/16 11:25	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:22	1

Client Sample ID: MW-23

Date Collected: 03/29/16 11:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.3		0.50		ug/L			04/07/16 14:41	1
Ethylbenzene	3.2		0.50		ug/L			04/07/16 14:41	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 14:41	1
o-Xylene	2.6		0.50		ug/L			04/07/16 14:41	1
Toluene	ND		0.50		ug/L			04/07/16 14:41	1
Xylenes, Total	2.6		1.0		ug/L			04/07/16 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		80 - 120		04/07/16 14:41	1
Dibromofluoromethane (Surr)	122		76 - 132		04/07/16 14:41	1
Toluene-d8 (Surr)	119		80 - 128		04/07/16 14:41	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.30		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Acenaphthylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Benzo[a]anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Benzo[a]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Chrysene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Fluorene	0.81		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Naphthalene	2.3		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Phenanthrene	0.50		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1
Pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		50 - 104	04/05/16 10:08	04/06/16 16:09	1
Nitrobenzene-d5	75		46 - 109	04/05/16 10:08	04/06/16 16:09	1
Terphenyl-d14	98		28 - 124	04/05/16 10:08	04/06/16 16:09	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-23

Date Collected: 03/29/16 11:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-6

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Arsenic	0.013		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Barium	0.20		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:28	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:28	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:28	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:28	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:28	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Vanadium	0.024		0.010		mg/L		04/13/16 08:57	04/14/16 11:28	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:28	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:19	1

Client Sample ID: MW-24

Date Collected: 04/01/16 09:30

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.5		0.50		ug/L			04/07/16 17:38	1
Ethylbenzene	6.6		0.50		ug/L			04/07/16 17:38	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 17:38	1
o-Xylene	5.3		0.50		ug/L			04/07/16 17:38	1
Toluene	1.1		0.50		ug/L			04/07/16 17:38	1
Xylenes, Total	5.3		1.0		ug/L			04/07/16 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		04/07/16 17:38	1
Dibromofluoromethane (Surr)	120		76 - 132		04/07/16 17:38	1
Toluene-d8 (Surr)	119		80 - 128		04/07/16 17:38	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Acenaphthylene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Anthracene	2.2		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Benzo[a]anthracene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Benzo[a]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Chrysene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-24

Date Collected: 04/01/16 09:30

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-7

Matrix: Water

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Fluorene	0.97		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Naphthalene	3.7		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Phenanthrene	1.9		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1
Pyrene	0.45		0.19		ug/L		04/07/16 09:52	04/10/16 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	17		50 - 104	04/07/16 09:52	04/10/16 03:21	1
Nitrobenzene-d5	37		46 - 109	04/07/16 09:52	04/10/16 03:21	1
Terphenyl-d14	79		28 - 124	04/07/16 09:52	04/10/16 03:21	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Arsenic	0.015		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Barium	0.82		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 11:30	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:30	1
Chromium	0.0060		0.0050		mg/L		04/13/16 08:57	04/14/16 11:30	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 11:30	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:30	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Vanadium	0.14		0.010		mg/L		04/13/16 08:57	04/14/16 11:30	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 11:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 05:16	1

Default Detection Limits

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	RL	MDL	Units	Method
Benzene	0.50	0.25	ug/L	8260B
Ethylbenzene	0.50	0.25	ug/L	8260B
m,p-Xylene	1.0	0.50	ug/L	8260B
o-Xylene	0.50	0.25	ug/L	8260B
Toluene	0.50	0.25	ug/L	8260B
Xylenes, Total	1.0	0.50	ug/L	8260B

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	RL	MDL	Units	Method
Acenaphthene	0.20	0.10	ug/L	8270C SIM
Acenaphthylene	0.20	0.10	ug/L	8270C SIM
Anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]pyrene	0.20	0.10	ug/L	8270C SIM
Benzo[b]fluoranthene	0.20	0.10	ug/L	8270C SIM
Benzo[g,h,i]perylene	0.20	0.10	ug/L	8270C SIM
Benzo[k]fluoranthene	0.20	0.10	ug/L	8270C SIM
Chrysene	0.20	0.10	ug/L	8270C SIM
Dibenz(a,h)anthracene	0.20	0.10	ug/L	8270C SIM
Fluoranthene	0.20	0.10	ug/L	8270C SIM
Fluorene	0.20	0.10	ug/L	8270C SIM
Indeno[1,2,3-cd]pyrene	0.20	0.10	ug/L	8270C SIM
Naphthalene	0.20	0.10	ug/L	8270C SIM
Phenanthrene	0.20	0.10	ug/L	8270C SIM
Pyrene	0.20	0.10	ug/L	8270C SIM

Method: 6010B - Metals (ICP) - Dissolved

Analyte	RL	MDL	Units	Method
Antimony	0.010	0.0060	mg/L	6010B
Arsenic	0.010	0.0050	mg/L	6010B
Barium	0.010	0.0050	mg/L	6010B
Beryllium	0.0020	0.0010	mg/L	6010B
Cadmium	0.0050	0.0020	mg/L	6010B
Chromium	0.0050	0.0025	mg/L	6010B
Cobalt	0.010	0.0025	mg/L	6010B
Copper	0.010	0.0050	mg/L	6010B
Lead	0.0050	0.0025	mg/L	6010B
Molybdenum	0.020	0.010	mg/L	6010B
Nickel	0.010	0.0050	mg/L	6010B
Selenium	0.010	0.0061	mg/L	6010B
Silver	0.010	0.0050	mg/L	6010B
Thallium	0.010	0.0050	mg/L	6010B
Vanadium	0.010	0.0050	mg/L	6010B
Zinc	0.020	0.010	mg/L	6010B

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	RL	MDL	Units	Method
Mercury	0.00020	0.00010	mg/L	7470A

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (76-132)	TOL (80-128)
440-143182-1	MW-06	112	126	118
440-143182-2	MW-08	111	124	117
440-143182-3	MW-09	109	123	118
440-143182-4	MW-11	111	123	119
440-143182-5	MW-13	111	129	116
440-143182-6	MW-23	114	122	119
440-143182-7	MW-24	109	120	119
440-143310-A-3 MS	Matrix Spike	112	123	110
440-143310-A-3 MSD	Matrix Spike Duplicate	112	120	111
LCS 440-322726/6	Lab Control Sample	114	124	112
MB 440-322726/5	Method Blank	113	125	118

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (50-104)	NBZ (46-109)	TPH (28-124)
440-143182-1	MW-06	56	24	56
440-143182-2	MW-08	60	24	69
440-143182-3	MW-09	76	44	92
440-143182-4	MW-11	70	65	78
440-143182-5	MW-13	68	66	78
440-143182-6	MW-23	86	75	98
440-143182-7	MW-24	17	37	79
LCS 440-322273/2-A	Lab Control Sample	72	59	92
LCS 440-322773/2-A	Lab Control Sample	58	50	72
LCSD 440-322273/3-A	Lab Control Sample Dup	83	70	100
LCSD 440-322773/3-A	Lab Control Sample Dup	59	49	75
MB 440-322273/1-A	Method Blank	93	69	85
MB 440-322773/1-A	Method Blank	57	70	76

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-322726/5

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 09:23	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 09:23	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 09:23	1
o-Xylene	ND		0.50		ug/L			04/07/16 09:23	1
Toluene	ND		0.50		ug/L			04/07/16 09:23	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 09:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		04/07/16 09:23	1
Dibromofluoromethane (Surr)	125		76 - 132		04/07/16 09:23	1
Toluene-d8 (Surr)	118		80 - 128		04/07/16 09:23	1

Lab Sample ID: LCS 440-322726/6

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.0		ug/L		96	68 - 130
Ethylbenzene	25.0	24.5		ug/L		98	70 - 130
m,p-Xylene	25.0	24.8		ug/L		99	70 - 130
o-Xylene	25.0	24.0		ug/L		96	70 - 130
Toluene	25.0	23.4		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		80 - 120
Dibromofluoromethane (Surr)	124		76 - 132
Toluene-d8 (Surr)	112		80 - 128

Lab Sample ID: 440-143310-A-3 MS

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.1		ug/L		100	66 - 130
Ethylbenzene	ND		25.0	25.2		ug/L		101	70 - 130
m,p-Xylene	ND		25.0	25.3		ug/L		101	70 - 133
o-Xylene	ND		25.0	24.6		ug/L		99	70 - 133
Toluene	ND		25.0	24.1		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	123		76 - 132
Toluene-d8 (Surr)	110		80 - 128

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-143310-A-3 MSD

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.6		ug/L		98	66 - 130	2	20
Ethylbenzene	ND		25.0	25.0		ug/L		100	70 - 130	1	20
m,p-Xylene	ND		25.0	25.5		ug/L		102	70 - 133	1	25
o-Xylene	ND		25.0	24.5		ug/L		98	70 - 133	0	20
Toluene	ND		25.0	24.1		ug/L		96	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	120		76 - 132
Toluene-d8 (Surr)	111		80 - 128

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 440-322273/1-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Acenaphthylene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[a]anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[a]pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Chrysene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Fluorene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Naphthalene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Phenanthrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		50 - 104	04/05/16 10:08	04/06/16 11:41	1
Nitrobenzene-d5	69		46 - 109	04/05/16 10:08	04/06/16 11:41	1
Terphenyl-d14	85		28 - 124	04/05/16 10:08	04/06/16 11:41	1

Lab Sample ID: LCS 440-322273/2-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.768		ug/L		77	54 - 120
Acenaphthylene	1.00	0.756		ug/L		76	55 - 120

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 440-322273/2-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	1.00	0.836		ug/L		84	56 - 120
Benzo[a]anthracene	1.00	0.799		ug/L		80	63 - 120
Benzo[a]pyrene	1.00	0.812		ug/L		81	54 - 120
Benzo[b]fluoranthene	1.00	0.914		ug/L		91	60 - 120
Benzo[g,h,i]perylene	1.00	0.782		ug/L		78	61 - 139
Benzo[k]fluoranthene	1.00	0.962		ug/L		96	62 - 120
Chrysene	1.00	0.875		ug/L		87	65 - 120
Dibenz(a,h)anthracene	1.00	0.714		ug/L		71	61 - 120
Fluoranthene	1.00	0.827		ug/L		83	61 - 120
Fluorene	1.00	0.885		ug/L		88	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.696		ug/L		70	61 - 122
Naphthalene	1.00	0.734		ug/L		73	46 - 120
Phenanthrene	1.00	0.808		ug/L		81	60 - 120
Pyrene	1.00	0.806		ug/L		81	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	72		50 - 104
Nitrobenzene-d5	59		46 - 109
Terphenyl-d14	92		28 - 124

Lab Sample ID: LCSD 440-322273/3-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.781		ug/L		78	54 - 120	2	35
Acenaphthylene	1.00	0.772		ug/L		77	55 - 120	2	35
Anthracene	1.00	0.811		ug/L		81	56 - 120	3	35
Benzo[a]anthracene	1.00	0.845		ug/L		84	63 - 120	6	35
Benzo[a]pyrene	1.00	0.885		ug/L		88	54 - 120	9	35
Benzo[b]fluoranthene	1.00	0.996		ug/L		100	60 - 120	9	35
Benzo[g,h,i]perylene	1.00	0.915		ug/L		92	61 - 139	16	35
Benzo[k]fluoranthene	1.00	1.12		ug/L		112	62 - 120	15	35
Chrysene	1.00	0.941		ug/L		94	65 - 120	7	35
Dibenz(a,h)anthracene	1.00	0.855		ug/L		86	61 - 120	18	35
Fluoranthene	1.00	0.883		ug/L		88	61 - 120	7	35
Fluorene	1.00	0.902		ug/L		90	53 - 120	2	35
Indeno[1,2,3-cd]pyrene	1.00	0.815		ug/L		82	61 - 122	16	35
Naphthalene	1.00	0.718		ug/L		72	46 - 120	2	35
Phenanthrene	1.00	0.847		ug/L		85	60 - 120	5	35
Pyrene	1.00	0.837		ug/L		84	63 - 120	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		50 - 104
Nitrobenzene-d5	70		46 - 109
Terphenyl-d14	100		28 - 124

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 440-322773/1-A

Matrix: Water

Analysis Batch: 323269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Acenaphthylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Chrysene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluorene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Naphthalene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Phenanthrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		50 - 104	04/07/16 09:52	04/10/16 00:57	1
Nitrobenzene-d5	70		46 - 109	04/07/16 09:52	04/10/16 00:57	1
Terphenyl-d14	76		28 - 124	04/07/16 09:52	04/10/16 00:57	1

Lab Sample ID: LCS 440-322773/2-A

Matrix: Water

Analysis Batch: 324076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.667		ug/L		67	54 - 120
Acenaphthylene	1.00	0.636		ug/L		64	55 - 120
Anthracene	1.00	0.725		ug/L		72	56 - 120
Benzo[a]anthracene	1.00	0.657		ug/L		66	63 - 120
Benzo[a]pyrene	1.00	0.710		ug/L		71	54 - 120
Benzo[b]fluoranthene	1.00	0.713		ug/L		71	60 - 120
Benzo[g,h,i]perylene	1.00	0.868		ug/L		87	61 - 139
Benzo[k]fluoranthene	1.00	0.816		ug/L		82	62 - 120
Chrysene	1.00	0.770		ug/L		77	65 - 120
Dibenz(a,h)anthracene	1.00	0.770		ug/L		77	61 - 120
Fluoranthene	1.00	0.736		ug/L		74	61 - 120
Fluorene	1.00	0.685		ug/L		69	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.747		ug/L		75	61 - 122
Naphthalene	1.00	0.577		ug/L		58	46 - 120
Phenanthrene	1.00	0.684		ug/L		68	60 - 120
Pyrene	1.00	0.725		ug/L		72	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	58		50 - 104
Nitrobenzene-d5	50		46 - 109

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 440-322773/2-A
Matrix: Water
Analysis Batch: 324076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 322773

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	72		28 - 124

Lab Sample ID: LCSD 440-322773/3-A
Matrix: Water
Analysis Batch: 323269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 322773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.641		ug/L		64	54 - 120	4	35
Acenaphthylene	1.00	0.628		ug/L		63	55 - 120	1	35
Anthracene	1.00	0.690		ug/L		69	56 - 120	5	35
Benzo[a]anthracene	1.00	0.689		ug/L		69	63 - 120	5	35
Benzo[a]pyrene	1.00	0.724		ug/L		72	54 - 120	2	35
Benzo[b]fluoranthene	1.00	0.740		ug/L		74	60 - 120	4	35
Benzo[g,h,i]perylene	1.00	0.911		ug/L		91	61 - 139	5	35
Benzo[k]fluoranthene	1.00	0.790		ug/L		79	62 - 120	3	35
Chrysene	1.00	0.831		ug/L		83	65 - 120	8	35
Dibenz(a,h)anthracene	1.00	0.778		ug/L		78	61 - 120	1	35
Fluoranthene	1.00	0.765		ug/L		76	61 - 120	4	35
Fluorene	1.00	0.680		ug/L		68	53 - 120	1	35
Indeno[1,2,3-cd]pyrene	1.00	0.760		ug/L		76	61 - 122	2	35
Naphthalene	1.00	0.544		ug/L		54	46 - 120	6	35
Phenanthrene	1.00	0.699		ug/L		70	60 - 120	2	35
Pyrene	1.00	0.729		ug/L		73	63 - 120	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	59		50 - 104
Nitrobenzene-d5	49		46 - 109
Terphenyl-d14	75		28 - 124

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-323718/1-B
Matrix: Water
Analysis Batch: 324248

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 323936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Arsenic	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Barium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Beryllium	ND		0.0020		mg/L		04/13/16 08:57	04/14/16 10:41	1
Cadmium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 10:41	1
Chromium	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 10:41	1
Cobalt	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Copper	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Lead	ND		0.0050		mg/L		04/13/16 08:57	04/14/16 10:41	1
Molybdenum	ND		0.020		mg/L		04/13/16 08:57	04/14/16 10:41	1
Nickel	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-323718/1-B

Matrix: Water

Analysis Batch: 324248

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 323936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Silver	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Thallium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Vanadium	ND		0.010		mg/L		04/13/16 08:57	04/14/16 10:41	1
Zinc	ND		0.020		mg/L		04/13/16 08:57	04/14/16 10:41	1

Lab Sample ID: LCS 440-323718/2-B

Matrix: Water

Analysis Batch: 324248

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 323936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	1.02		mg/L		102	80 - 120
Arsenic	1.00	0.943		mg/L		94	80 - 120
Barium	1.00	0.990		mg/L		99	80 - 120
Beryllium	1.00	0.974		mg/L		97	80 - 120
Cadmium	1.00	0.970		mg/L		97	80 - 120
Chromium	1.00	0.979		mg/L		98	80 - 120
Cobalt	1.00	0.995		mg/L		100	80 - 120
Copper	1.00	1.00		mg/L		100	80 - 120
Lead	1.00	0.963		mg/L		96	80 - 120
Molybdenum	1.00	0.991		mg/L		99	80 - 120
Nickel	1.00	0.975		mg/L		98	80 - 120
Selenium	1.00	0.902		mg/L		90	80 - 120
Silver	0.500	0.500		mg/L		100	80 - 120
Thallium	1.00	0.967		mg/L		97	80 - 120
Vanadium	1.00	0.977		mg/L		98	80 - 120
Zinc	1.00	0.944		mg/L		94	80 - 120

Lab Sample ID: 440-143458-F-5-E MS

Matrix: Water

Analysis Batch: 324248

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 323936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		1.00	1.10		mg/L		110	75 - 125
Arsenic	0.11		1.00	1.14		mg/L		103	75 - 125
Barium	0.034		1.00	1.04		mg/L		100	75 - 125
Beryllium	ND		1.00	0.964		mg/L		96	75 - 125
Cadmium	ND		1.00	0.924		mg/L		92	75 - 125
Chromium	15		1.00	16.2	M4	mg/L		84	75 - 125
Cobalt	ND		1.00	0.959		mg/L		96	75 - 125
Copper	ND		1.00	1.10		mg/L		110	75 - 125
Lead	ND		1.00	0.897		mg/L		90	75 - 125
Molybdenum	0.037		1.00	1.03		mg/L		100	75 - 125
Nickel	ND		1.00	0.942		mg/L		94	75 - 125
Selenium	0.013		1.00	0.938		mg/L		93	75 - 125
Silver	ND		0.500	0.565		mg/L		113	75 - 125
Thallium	ND		1.00	0.825		mg/L		82	75 - 125
Vanadium	0.052		1.00	1.04		mg/L		99	75 - 125
Zinc	ND		1.00	0.987		mg/L		99	75 - 125

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Lab Sample ID: 440-143458-F-5-F MSD

Matrix: Water

Analysis Batch: 324248

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 323936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		1.00	0.978		mg/L		98	75 - 125	11	20
Arsenic	0.11		1.00	1.10		mg/L		99	75 - 125	3	20
Barium	0.034		1.00	0.997		mg/L		96	75 - 125	4	20
Beryllium	ND		1.00	0.918		mg/L		92	75 - 125	5	20
Cadmium	ND		1.00	0.889		mg/L		89	75 - 125	4	20
Chromium	15		1.00	16.8	M4	mg/L		137	75 - 125	3	20
Cobalt	ND		1.00	0.923		mg/L		92	75 - 125	4	20
Copper	ND		1.00	1.03		mg/L		103	75 - 125	6	20
Lead	ND		1.00	0.877		mg/L		88	75 - 125	2	20
Molybdenum	0.037		1.00	0.962		mg/L		92	75 - 125	7	20
Nickel	ND		1.00	0.901		mg/L		90	75 - 125	4	20
Selenium	0.013		1.00	0.901		mg/L		89	75 - 125	4	20
Silver	ND		0.500	0.539		mg/L		108	75 - 125	5	20
Thallium	ND		1.00	0.801		mg/L		79	75 - 125	3	20
Vanadium	0.052		1.00	0.984		mg/L		93	75 - 125	5	20
Zinc	ND		1.00	0.937		mg/L		94	75 - 125	5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 440-323718/1-E

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 324105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:57	04/14/16 04:52	1

Lab Sample ID: LCS 440-323718/2-E

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 324105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00800	0.00798		mg/L		100	80 - 120

Lab Sample ID: 440-143458-F-5-M MS

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 324105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00800	0.00732		mg/L		92	70 - 130

Lab Sample ID: 440-143458-F-5-N MSD

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 324105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.00740		mg/L		93	70 - 130	1	20

TestAmerica Irvine

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

GC/MS VOA

Analysis Batch: 322726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Total/NA	Water	8260B	
440-143182-2	MW-08	Total/NA	Water	8260B	
440-143182-3	MW-09	Total/NA	Water	8260B	
440-143182-4	MW-11	Total/NA	Water	8260B	
440-143182-5	MW-13	Total/NA	Water	8260B	
440-143182-6	MW-23	Total/NA	Water	8260B	
440-143182-7	MW-24	Total/NA	Water	8260B	
440-143310-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
440-143310-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-322726/6	Lab Control Sample	Total/NA	Water	8260B	
MB 440-322726/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 322273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Total/NA	Water	3520C	
440-143182-2	MW-08	Total/NA	Water	3520C	
440-143182-3	MW-09	Total/NA	Water	3520C	
440-143182-4	MW-11	Total/NA	Water	3520C	
440-143182-5	MW-13	Total/NA	Water	3520C	
440-143182-6	MW-23	Total/NA	Water	3520C	
LCS 440-322273/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322273/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-322273/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 322558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Total/NA	Water	8270C SIM	322273
440-143182-2	MW-08	Total/NA	Water	8270C SIM	322273
440-143182-3	MW-09	Total/NA	Water	8270C SIM	322273
440-143182-4	MW-11	Total/NA	Water	8270C SIM	322273
440-143182-5	MW-13	Total/NA	Water	8270C SIM	322273
440-143182-6	MW-23	Total/NA	Water	8270C SIM	322273
LCS 440-322273/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322273
LCSD 440-322273/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322273
MB 440-322273/1-A	Method Blank	Total/NA	Water	8270C SIM	322273

Prep Batch: 322773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-7	MW-24	Total/NA	Water	3520C	
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-322773/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 323269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-7	MW-24	Total/NA	Water	8270C SIM	322773
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322773
MB 440-322773/1-A	Method Blank	Total/NA	Water	8270C SIM	322773

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

GC/MS Semi VOA (Continued)

Analysis Batch: 324076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322773

Metals

Filtration Batch: 323718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Dissolved	Water	FILTRATION	
440-143182-2	MW-08	Dissolved	Water	FILTRATION	
440-143182-3	MW-09	Dissolved	Water	FILTRATION	
440-143182-4	MW-11	Dissolved	Water	FILTRATION	
440-143182-5	MW-13	Dissolved	Water	FILTRATION	
440-143182-6	MW-23	Dissolved	Water	FILTRATION	
440-143182-7	MW-24	Dissolved	Water	FILTRATION	
440-143458-F-5-E MS	Matrix Spike	Dissolved	Water	FILTRATION	
440-143458-F-5-F MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
440-143458-F-5-M MS	Matrix Spike	Dissolved	Water	FILTRATION	
440-143458-F-5-N MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
LCS 440-323718/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 440-323718/2-E	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 440-323718/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 440-323718/1-E	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 323936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Dissolved	Water	3005A	323718
440-143182-2	MW-08	Dissolved	Water	3005A	323718
440-143182-3	MW-09	Dissolved	Water	3005A	323718
440-143182-4	MW-11	Dissolved	Water	3005A	323718
440-143182-5	MW-13	Dissolved	Water	3005A	323718
440-143182-6	MW-23	Dissolved	Water	3005A	323718
440-143182-7	MW-24	Dissolved	Water	3005A	323718
440-143458-F-5-E MS	Matrix Spike	Dissolved	Water	3005A	323718
440-143458-F-5-F MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	323718
LCS 440-323718/2-B	Lab Control Sample	Dissolved	Water	3005A	323718
MB 440-323718/1-B	Method Blank	Dissolved	Water	3005A	323718

Prep Batch: 324089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CRA 440-324089/5-A	DL		Water	245.1	

Prep Batch: 324105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Dissolved	Water	7470A	323718
440-143182-2	MW-08	Dissolved	Water	7470A	323718
440-143182-3	MW-09	Dissolved	Water	7470A	323718
440-143182-4	MW-11	Dissolved	Water	7470A	323718
440-143182-5	MW-13	Dissolved	Water	7470A	323718
440-143182-6	MW-23	Dissolved	Water	7470A	323718
440-143182-7	MW-24	Dissolved	Water	7470A	323718
440-143458-F-5-M MS	Matrix Spike	Dissolved	Water	7470A	323718

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Metals (Continued)

Prep Batch: 324105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143458-F-5-N MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	323718
LCS 440-323718/2-E	Lab Control Sample	Dissolved	Water	7470A	323718
MB 440-323718/1-E	Method Blank	Dissolved	Water	7470A	323718

Analysis Batch: 324216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Dissolved	Water	7470A	324105
440-143182-2	MW-08	Dissolved	Water	7470A	324105
440-143182-3	MW-09	Dissolved	Water	7470A	324105
440-143182-4	MW-11	Dissolved	Water	7470A	324105
440-143182-5	MW-13	Dissolved	Water	7470A	324105
440-143182-6	MW-23	Dissolved	Water	7470A	324105
440-143182-7	MW-24	Dissolved	Water	7470A	324105
440-143458-F-5-M MS	Matrix Spike	Dissolved	Water	7470A	324105
440-143458-F-5-N MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	324105
CRA 440-324089/5-A	DL		Water	7470A	324089
CRA 440-324089/5-A	DL		Water	7470A	324089
LCS 440-323718/2-E	Lab Control Sample	Dissolved	Water	7470A	324105
MB 440-323718/1-E	Method Blank	Dissolved	Water	7470A	324105

Analysis Batch: 324248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143182-1	MW-06	Dissolved	Water	6010B	323936
440-143182-2	MW-08	Dissolved	Water	6010B	323936
440-143182-3	MW-09	Dissolved	Water	6010B	323936
440-143182-4	MW-11	Dissolved	Water	6010B	323936
440-143182-5	MW-13	Dissolved	Water	6010B	323936
440-143182-6	MW-23	Dissolved	Water	6010B	323936
440-143182-7	MW-24	Dissolved	Water	6010B	323936
440-143458-F-5-E MS	Matrix Spike	Dissolved	Water	6010B	323936
440-143458-F-5-F MSD	Matrix Spike Duplicate	Dissolved	Water	6010B	323936
CRI 440-324248/11	DL		Water	6010B	
ICSA 440-324248/7	ICS		Water	6010B	
ICSAB 440-324248/8	ICS		Water	6010B	
LCS 440-323718/2-B	Lab Control Sample	Dissolved	Water	6010B	323936
MB 440-323718/1-B	Method Blank	Dissolved	Water	6010B	323936

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-06

Date Collected: 03/29/16 17:43

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 16:10	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		5	322558	04/06/16 14:26	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:16	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:32	EN	TAL IRV

Client Sample ID: MW-08

Date Collected: 03/29/16 14:29

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 16:39	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		4	322558	04/06/16 14:47	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:18	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:30	EN	TAL IRV

Client Sample ID: MW-09

Date Collected: 03/29/16 16:02

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 17:09	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		5	322558	04/06/16 15:07	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:21	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:27	EN	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-11

Date Collected: 03/29/16 10:25

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 13:42	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322558	04/06/16 15:28	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:23	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:24	EN	TAL IRV

Client Sample ID: MW-13

Date Collected: 03/29/16 13:15

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 14:12	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322558	04/06/16 15:49	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:25	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:22	EN	TAL IRV

Client Sample ID: MW-23

Date Collected: 03/29/16 11:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 14:41	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322558	04/06/16 16:09	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:28	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:19	EN	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Client Sample ID: MW-24

Date Collected: 04/01/16 09:30

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143182-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 17:38	RM	TAL IRV
Total/NA	Prep	3520C			322773	04/07/16 09:52	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	323269	04/10/16 03:21	DF	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	3005A			323936	04/13/16 08:57	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324248	04/14/16 11:30	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323718	04/12/16 13:04	K1E	TAL IRV
Dissolved	Prep	7470A			324105	04/13/16 17:57	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:16	EN	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-16
California	LA Cty Sanitation Districts	9	10256	01-31-17 *
California	State Program	9	CA ELAP 2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-17
Hawaii	State Program	9	N/A	01-29-17
Kansas	NELAP Secondary AB	7	E-10420	07-31-16
Nevada	State Program	9	CA015312016-2	07-31-16
New Mexico	State Program	6	N/A	01-29-17
Northern Mariana Islands	State Program	9	MP0002	01-29-16 *
Oregon	NELAP	10	4028	01-29-17
USDA	Federal		P330-09-00080	07-08-18
Washington	State Program	10	C900	09-03-16

* Certification renewal pending - certification considered valid.

TestAmerica Irvine

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7470A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143182-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-143182-1	MW-06	Water	03/29/16 17:43	04/02/16 10:00
440-143182-2	MW-08	Water	03/29/16 14:29	04/02/16 10:00
440-143182-3	MW-09	Water	03/29/16 16:02	04/02/16 10:00
440-143182-4	MW-11	Water	03/29/16 10:25	04/02/16 10:00
440-143182-5	MW-13	Water	03/29/16 13:15	04/02/16 10:00
440-143182-6	MW-23	Water	03/29/16 11:55	04/02/16 10:00
440-143182-7	MW-24	Water	04/01/16 09:30	04/02/16 10:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS56 Analysis Batch Number: 321924Lab Sample ID: STD05 440-321924/6 IC Client Sample ID: _____Date Analyzed: 04/02/16 17:24 Lab File ID: GED02015.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.71	Unspecified	ramirezr	04/04/16 08:18

Lab Sample ID: STD1 440-321924/7 IC Client Sample ID: _____Date Analyzed: 04/02/16 17:54 Lab File ID: GED02016.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:28

Lab Sample ID: STD10 440-321924/10 IC Client Sample ID: _____Date Analyzed: 04/02/16 19:23 Lab File ID: GED02019.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:27

Lab Sample ID: ICV 440-321924/18 Client Sample ID: _____Date Analyzed: 04/02/16 23:20 Lab File ID: GED02027.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 321454Lab Sample ID: STD50 440-321454/2 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:12 Lab File ID: J033102.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	12.16	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[a]pyrene	12.79	Assign Peak	ibasitasa	03/31/16 13:04
Indeno[1,2,3-cd]pyrene	14.62	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[g,h,i]perylene	15.01	Assign Peak	ibasitasa	03/31/16 13:04

Lab Sample ID: STD100 440-321454/3 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:33 Lab File ID: J033103.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene	6.12	Split Peak	ibasitasa	03/31/16 14:49
Benzo[b]fluoranthene	12.12	Assign Peak	ibasitasa	03/31/16 13:05
Benzo[a]pyrene	12.75	Assign Peak	ibasitasa	03/31/16 13:05
Dibenz(a,h)anthracene	14.60	Assign Peak	ibasitasa	03/31/16 13:05

Lab Sample ID: STD250 440-321454/4 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:53 Lab File ID: J033104.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.77	Assign Peak	ibasitasa	03/31/16 13:55
Benzo[b]fluoranthene	12.10	Assign Peak	ibasitasa	03/31/16 13:55

Lab Sample ID: STD500 440-321454/5 IC Client Sample ID: _____Date Analyzed: 03/31/16 13:14 Lab File ID: J033105.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Assign Peak	ibasitasa	03/31/16 13:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 322558Lab Sample ID: 440-143182-1 Client Sample ID: _____Date Analyzed: 04/06/16 14:26 Lab File ID: J040610.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.48	Assign Peak	ibasitasa	04/07/16 08:34
Acenaphthene-d10	7.20	Assign Peak	ibasitasa	04/07/16 08:34
Phenanthrene-d10	8.44	Assign Peak	ibasitasa	04/07/16 08:34
Phenanthrene	8.46	Assign Peak	ibasitasa	04/07/16 08:34
Pyrene	9.56	Assign Peak	ibasitasa	04/07/16 08:34

Lab Sample ID: 440-143182-2 Client Sample ID: MW-08Date Analyzed: 04/06/16 14:47 Lab File ID: J040611.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	8.37	Assign Peak	ibasitasa	04/07/16 08:36

Lab Sample ID: 440-143182-4 Client Sample ID: MW-11Date Analyzed: 04/06/16 15:28 Lab File ID: J040613.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.42	Assign Peak	ibasitasa	04/07/16 08:41
Phenanthrene	8.38	Assign Peak	ibasitasa	04/07/16 08:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 322558Lab Sample ID: 440-143182-6 Client Sample ID: MW-23Date Analyzed: 04/06/16 16:09 Lab File ID: J040615.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.77	Assign Peak	ibasitasa	04/07/16 08:44
Naphthalene-d8	5.48	Assign Peak	ibasitasa	04/07/16 08:44
Acenaphthene-d10	7.19	Assign Peak	ibasitasa	04/07/16 08:44
Phenanthrene-d10	8.44	Assign Peak	ibasitasa	04/07/16 08:44
Pyrene	9.56	Assign Peak	ibasitasa	04/07/16 08:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 323269Lab Sample ID: MB 440-322773/1-A Client Sample ID: _____Date Analyzed: 04/10/16 00:57 Lab File ID: J040902.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Split Peak	fosterd	04/11/16 10:01

Lab Sample ID: 440-143182-7 Client Sample ID: MW-24Date Analyzed: 04/10/16 03:21 Lab File ID: J040909.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.68	Unspecified	fosterd	04/11/16 11:06

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
ME 1PPM HG1_00252	04/18/16	04/11/16	0.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L					
					ME 10PPM 00007	5 mL	Mercury	1 mg/L					
					.ME 0.15% HNO3 00017	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L
					..ME HNO3 00307	11/27/16	Macron Fine Chemicals, Lot 0000119636			(Purchased Reagent)		Stock Chemical	1 %
					.ME 10PPM 00007	04/29/18	Inorganic Ventures, Lot J2-HG02136			(Purchased Reagent)		Mercury	10 mg/L
ME 1PPM HG2_00245	04/18/16	04/11/16	.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L					
					ME 10PPM HG2_00013	5 mL	Mercury	1 mg/L					
					.ME 0.15% HNO3 00017	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L
					..ME HNO3 00307	11/27/16	Macron Fine Chemicals, Lot 0000119636			(Purchased Reagent)		Stock Chemical	1 %
					.ME 10PPM HG2 00013	12/30/16	Spex, Lot 20-131HGY			(Purchased Reagent)		Mercury	10 mg/L
ME H2SO4_00066	12/15/16	Macron, Lot 0000115683			(Purchased Reagent)		Stock Chemical	100 %					
ME HCl_00317	04/06/17	Fisher Chemical, Lot 4115100			(Purchased Reagent)		Stock Chemical	100 %					
ME HNO3_00318	02/26/17	Macron Fine Chemicals, Lot 0000129810			(Purchased Reagent)		Stock Chemical	1 %					
ME HNO3_00327	04/11/17	Macron Fine Chemicals, Lot 0000129810			(Purchased Reagent)		Stock Chemical	1 %					
ME HYDROX SOL_00073	07/21/16	03/21/16	Di Water, Lot n/a	6000 mL	ME H8N2O6S_00054	720 g	Stock Chemical	24 %					
					ME NACL_00016	720 g	Stock Chemical	24 %					
					.ME H8N2O6S 00054	01/12/17	fisher, Lot 149337			(Purchased Reagent)		Stock Chemical	100 %
					.ME NACL_00016	03/21/17	Fisher Scientific, Lot 148298			(Purchased Reagent)		Stock Chemical	100 %
ME ICP CRI3_02321	04/14/16	04/14/16	1%HNO3/0.5%HCl, Lot HNO3	50 mL	CRI CHK STD_00021	1 mL	Molybdenum	0.04 ug/mL					
							Nickel	0.02 ug/mL					
							Selenium	0.02 ug/mL					
							Silver	0.02 ug/mL					
							Thallium	0.02 ug/mL					
							Vanadium	0.02 ug/mL					
							Zinc	0.04 ug/mL					
					CRI CHK STD_00022	1 mL	Antimony	0.02 ug/mL					
							Arsenic	0.02 ug/mL					
							Barium	0.02 ug/mL					
							Beryllium	0.004 ug/mL					
							Cadmium	0.01 ug/mL					
							Chromium	0.01 ug/mL					
							Cobalt	0.02 ug/mL					
							Copper	0.02 ug/mL					
							Lead	0.01 ug/mL					
							.CRI CHK STD_00021	04/01/17	ACCU STANDARD, Lot 212125072-02	(Purchased Reagent)		Molybdenum	2 ug/mL
Nickel	1 ug/mL												
Selenium	1 ug/mL												
Silver	1 ug/mL												
Thallium	1 ug/mL												
Vanadium	1 ug/mL												
Zinc	2 ug/mL												
.CRI CHK STD 00022	04/01/17	ACCU STANDARD, Lot 212125023-02			(Purchased Reagent)		Antimony	1 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	1 ug/mL
							Barium	1 ug/mL
							Beryllium	0.2 ug/mL
							Cadmium	0.5 ug/mL
							Chromium	0.5 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL
							Lead	0.5 ug/mL
ME ICP ICV2_01222	04/15/16	04/14/16	1%HNO3/2%HCl, Lot N/A	50 mL	ME ICP2 ICV1A_00033	1 mL	Arsenic	2 mg/L
							Barium	2 mg/L
							Beryllium	2 mg/L
							Cadmium	2 mg/L
							Chromium	2 mg/L
							Cobalt	2 mg/L
							Copper	2 mg/L
							Lead	2 mg/L
							Nickel	2 mg/L
							Selenium	2 mg/L
							Silver	1 mg/L
							Thallium	2 mg/L
							Vanadium	2 mg/L
							Zinc	2 mg/L
					ME ICP2 ICV1B_00033	1 mL	Antimony	2 mg/L
							Molybdenum	2 mg/L
.ME ICP2 ICV1A_00033	10/01/16	INORGANIC VENTURES, Lot J2-MEB598089			(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
.ME ICP2 ICV1B_00033	10/01/16	INORGANIC VENTURES, Lot J2-MEB598090			(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
ME ICP IFA_01259	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM 00005	0.5 mL	Ca	600 mg/L
					ME Al Std 00006	0.5 mL	Al	600 mg/L
					ME FE 10K PPM 00006	2 mL	Fe	600 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600 mg/L
							Ca	600 mg/L
							Fe	600 mg/L
							Mg	600 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.CALCIUM 00005	12/31/16		o2si, Lot 1077105		ME MG 00004	0.5 mL	Mg	600 mg/L
.ME Al Std 00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Ca	10000 mg/L
.ME FE 10K PPM 00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Al	10000 ppm
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Fe	10000 mg/L
							Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME MG 00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
ME ICP IFB_01279	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM 00005	0.5 mL	Ca	600.5 mg/L
					ME Al Std_00006	0.5 mL	Al	600.5 mg/L
					ME FE 10K PPM 00006	2 mL	Fe	600.5 mg/L
					ME ICP SPKE A_00021	0.25 mL	Antimony	0.5 mg/L
							Arsenic	0.5 mg/L
							Beryllium	0.5 mg/L
							Ca	600.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Fe	600.5 mg/L
							Lead	0.5 mg/L
							Li	0.5 mg/L
							Mg	600.5 mg/L
							Mn	0.5 mg/L
							Molybdenum	0.5 mg/L
							Nickel	0.5 mg/L
							Selenium	0.5 mg/L
							Sn	0.5 mg/L
							Sr	0.5 mg/L
							Thallium	0.5 mg/L
							Ti	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
					ME ICP SPKE B_00020	0.25 mL	Al	600.5 mg/L
							B	0.5 mg/L
							Barium	0.5 mg/L
							K	10 mg/L
							Si	2.5 mg/L
							Silver	0.25 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600.5 mg/L
							Ca	600.5 mg/L
							Fe	600.5 mg/L
							Mg	600.5 mg/L
					ME K 00005	0.25 mL	K	10 mg/L
					ME MG 00004	0.5 mL	Mg	600.5 mg/L
					ME TUNGSTEN_00014	0.25 mL	W	0.5 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.CALCIUM 00005	12/31/16		o2si, Lot 1077105		ME ZR 100ppm 00001	0.25 mL	Zr	0.5 mg/L
.ME Al Std 00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Ca	10000 mg/L
.ME FE 10K PPM 00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Al	10000 ppm
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Fe	10000 mg/L
							Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Ca	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Fe	100 ug/mL
							Lead	100 ug/mL
							Li	100 ug/mL
							Mg	100 ug/mL
							Mn	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sn	100 ug/mL
							Sr	100 ug/mL
							Thallium	100 ug/mL
							Ti	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)		Al	100 ug/mL
							B	100 ug/mL
							Barium	100 ug/mL
							K	1000 ug/mL
							Si	500 ug/mL
							Silver	50 ug/mL
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME K 00005	01/01/17		02SI, Lot 1077141		(Purchased Reagent)		K	1000 mg/L
.ME MG 00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
.ME TUNGSTEN 00014	10/27/18		Inorganic Ventures, Lot J2-W02031		(Purchased Reagent)		W	100 ppm
.ME ZR 100ppm_00001	12/01/16		Inorganic Ventures, Lot J2-MEB596019		(Purchased Reagent)		Zr	100 ug/mL
ME ICP STD3_01238	04/15/16	04/14/16	1%HNO3/2%HCL, Lot 211065110	100 mL	ME ICP SPKE A_00021	1 mL	Antimony	1 ug/mL
							Arsenic	1 ug/mL
							Beryllium	1 ug/mL
							Cadmium	1 ug/mL
							Chromium	1 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	1 ug/mL
							Molybdenum	1 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	1 ug/mL
					ME ICP SPKE B_00020	1 mL	Barium	1 ug/mL
							Silver	0.5 ug/mL
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Thallium	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)		Barium	100 ug/mL
							Silver	50 ug/mL
ME ICP2 ICV1A_00038	01/01/17		INORGANIC VENTURES, Lot J2-MEB598089		(Purchased Reagent)		Al	100 mg/L
							Arsenic	100 mg/L
							B	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Ca	500 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Fe	100 mg/L
							K	1000 mg/L
							Lead	100 mg/L
							Li	100 mg/L
							Mg	500 mg/L
							Mn	100 mg/L
							Na	1000 mg/L
							Nickel	100 mg/L
							P	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Sr	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ME ICP2 ICV1B_00036	01/01/17	INORGANIC VENTURES, Lot J2-MEB598090			(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
							Si	500 mg/L
							SiO2	1071.15 mg/L
							Sn	100 mg/L
							Ti	100 mg/L
							W	100 mg/L
							Zr	100 mg/L
ME K2S2O8_00058	10/21/16	03/21/16	Di Water, Lot n/a	2 L	ME K2S2O8_00057	100 g	Stock Chemical	5 %
.ME K2S2O8_00057	01/15/25		sigma-aldrich, Lot mkbv6966v		(Purchased Reagent)		Stock Chemical	100 %
ME KMNO4_00141	07/21/16	03/21/16	Di Water, Lot n/a	6 L	ME KMNO4_00024	300 g	Stock Chemical	5 %
.ME KMNO4_00024	10/07/16		Fisher, Lot 149371		(Purchased Reagent)		Stock Chemical	100 %
SVWCE_1_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	2.5 uL	1-Methylnaphthalene	0.05 ug/mL
							2-Methylnaphthalene	0.05 ug/mL
							Acenaphthene	0.05 ug/mL
							Acenaphthylene	0.05 ug/mL
							Anthracene	0.05 ug/mL
							Benzo[a]anthracene	0.05 ug/mL
							Benzo[a]pyrene	0.05 ug/mL
							Benzo[b]fluoranthene	0.05 ug/mL
							Benzo[g,h,i]perylene	0.05 ug/mL
							Benzo[k]fluoranthene	0.05 ug/mL
							Chrysene	0.05 ug/mL
							Dibenz(a,h)anthracene	0.05 ug/mL
							Fluoranthene	0.05 ug/mL
							Fluorene	0.05 ug/mL
							Indeno[1,2,3-cd]pyrene	0.05 ug/mL
							Naphthalene	0.05 ug/mL
							Phenanthrene	0.05 ug/mL
							Pyrene	0.05 ug/mL
							2-Fluorobiphenyl (Surr)	0.05 ug/mL
							Nitrobenzene-d5	0.05 ug/mL
							Terphenyl-d14	0.05 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_2_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	5 uL	1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5	0.1 ug/mL
							Terphenyl-d14	0.1 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16	Restek, Lot A095886			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16	Restek, Lot A0111094			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16	Restek, Lot A0109360			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_3__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	12.5 uL	1-Methylnaphthalene	0.25 ug/mL
							2-Methylnaphthalene	0.25 ug/mL
							Acenaphthene	0.25 ug/mL
							Acenaphthylene	0.25 ug/mL
							Anthracene	0.25 ug/mL
							Benzo[a]anthracene	0.25 ug/mL
							Benzo[a]pyrene	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	0.25 ug/mL
							Benzo[g,h,i]perylene	0.25 ug/mL
							Benzo[k]fluoranthene	0.25 ug/mL
							Chrysene	0.25 ug/mL
							Dibenz(a,h)anthracene	0.25 ug/mL
							Fluoranthene	0.25 ug/mL
							Fluorene	0.25 ug/mL
							Indeno[1,2,3-cd]pyrene	0.25 ug/mL
							Naphthalene	0.25 ug/mL
							Phenanthrene	0.25 ug/mL
							Pyrene	0.25 ug/mL
							2-Fluorobiphenyl (Surr)	0.25 ug/mL
							Nitrobenzene-d5	0.25 ug/mL
							Terphenyl-d14	0.25 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
Perylene-d12	0.5 ug/mL							
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
					Fluorene	20 ug/mL		
					Indeno[1,2,3-cd]pyrene	20 ug/mL		
					Naphthalene	20 ug/mL		
					Phenanthrene	20 ug/mL		
Pyrene	20 ug/mL							
SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL					
		Nitrobenzene-d5	20 ug/mL					
		Terphenyl-d14	20 ug/mL					
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_4__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	25 uL	1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVWIE_00017	20 uL	Nitrobenzene-d5	0.5 ug/mL
							Terphenyl-d14	0.5 ug/mL
							1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_5__00010	08/12/16	08/12/15	Methylene Chloride, Lot 100898	25 mL	SVICE_00009	1.25 mL	1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
					SVWIE_00017	500 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_6_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	125 uL	1-Methylnaphthalene	2.5 ug/mL
							2-Methylnaphthalene	2.5 ug/mL
							Acenaphthene	2.5 ug/mL
							Acenaphthylene	2.5 ug/mL
							Anthracene	2.5 ug/mL
							Benzo[a]anthracene	2.5 ug/mL
							Benzo[a]pyrene	2.5 ug/mL
							Benzo[b]fluoranthene	2.5 ug/mL
							Benzo[g,h,i]perylene	2.5 ug/mL
							Benzo[k]fluoranthene	2.5 ug/mL
							Chrysene	2.5 ug/mL
							Dibenz(a,h)anthracene	2.5 ug/mL
							Fluoranthene	2.5 ug/mL
							Fluorene	2.5 ug/mL
							Indeno[1,2,3-cd]pyrene	2.5 ug/mL
							Naphthalene	2.5 ug/mL
							Phenanthrene	2.5 ug/mL
							Pyrene	2.5 ug/mL
							2-Fluorobiphenyl (Surr)	2.5 ug/mL
							Nitrobenzene-d5	2.5 ug/mL
							Terphenyl-d14	2.5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_7__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	250 uL	1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Anthracene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Chrysene	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
Naphthalene-d8	0.5 ug/mL							
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
					Fluorene	20 ug/mL		
					Indeno[1,2,3-cd]pyrene	20 ug/mL		
					Naphthalene	20 ug/mL		
Phenanthrene	20 ug/mL							
Pyrene	20 ug/mL							
SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL					
		Nitrobenzene-d5	20 ug/mL					
		Terphenyl-d14	20 ug/mL					
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_8__00004	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	500 uL	1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Chrysene	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVWIE_00017	20 uL	Nitrobenzene-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_9__00003	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	1 mL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWLE_00010	11/03/16	11/03/15	80:20 MeCl2:MeOH, Lot 100898/62345	1000 mL	SVSCE_00001	1 mL	1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo(b) fluoranthene / Benzo(k) fluoranthene	4 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
.SVSCE_00001	11/03/16		Restek, Lot A092153		(Purchased Reagent)		Pyrene	2 ug/mL
							1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo(b) fluoranthene / Benzo(k) fluoranthene	4000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	2000 ug/mL
							Dibenz (a,h) anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
SVWSE_00015	11/06/16	11/06/15	80:20 MeCl ₂ :MeOH, Lot 100898/62345	2000 mL	SVSSA_00002	0.8 mL	2,4,6-Tribromophenol	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Phenol-d5	2 ug/mL
							Phenol-d6	2.0408 ug/mL
							Terphenyl-d14	2 ug/mL
.SVSSA_00002	11/06/16		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5102 ug/mL
							Terphenyl-d14	5000 ug/mL
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVWIE_00017	100 uL	Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA_00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA_00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSSA_BN_00076	1 uL	2-Fluorobiphenyl (Surr)	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
					SVSXE_00001	2.5 uL	Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
.SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVSXE_00001	08/12/16		Restek, Lot A093990		(Purchased Reagent)		Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
VMWNU8260002_00227	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMWNU8260200_00083	10 uL	2-Chloroethyl vinyl ether	2 ug/mL
							Bromomethane	2 ug/mL
							Butadiene	2 ug/mL
							Chloroethane	2 ug/mL
							Chloromethane	2 ug/mL
							Dichlorodifluoromethane	2 ug/mL
							Dichlorofluoromethane	2 ug/mL
							Trichlorofluoromethane	2 ug/mL
							Vinyl chloride	2 ug/mL
							2-Butanone (MEK)	2 ug/mL
							2-Hexanone	2 ug/mL
							4-Methyl-2-pentanone (MIBK)	2 ug/mL
							Acetone	2 ug/mL
							1,1,1,2-Tetrachloroethane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	2 ug/mL
							1,1,2,2-Tetrachloroethane	2 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2 ug/mL
							1,1,2-Trichloroethane	2 ug/mL
							1,1-Dichloroethane	2 ug/mL
							1,1-Dichloroethene	2 ug/mL
							1,1-Dichloropropene	2 ug/mL
							1,2,3-Trichlorobenzene	2 ug/mL
							1,2,3-Trichloropropene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2,4-Trimethylbenzene	2 ug/mL
							1,2-Dibromo-3-Chloropropene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dichloroethane	2 ug/mL
							1,2-Dichloropropene	2 ug/mL
							1,3,5-Trimethylbenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dichloropropene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							2,2-Dichloropropene	2 ug/mL
							2-Chlorotoluene	2 ug/mL
							2-Methyl-2-propanol	20 ug/mL
							3-Chloro-1-propene	2 ug/mL
							4-Chlorotoluene	2 ug/mL
							4-Isopropyltoluene	2 ug/mL
							Acrylonitrile	20 ug/mL
							Benzene	2 ug/mL
							Bromobenzene	2 ug/mL
							Bromoform	2 ug/mL
							Carbon disulfide	2 ug/mL
							Carbon tetrachloride	2 ug/mL
							Chlorobenzene	2 ug/mL
							Chlorobromomethane	2 ug/mL
							Chlorodibromomethane	2 ug/mL
							Chloroform	2 ug/mL
							cis-1,2-Dichloroethene	2 ug/mL
							cis-1,3-Dichloropropene	2 ug/mL
							Cyclohexane	2 ug/mL
							Dibromomethane	2 ug/mL
							Dichlorobromomethane	2 ug/mL
							Ethyl ether	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Ethylbenzene	2 ug/mL
							Ethylene Dibromide	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexane	2 ug/mL
							Iodomethane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	50 ug/mL
							Isopropylbenzene	2 ug/mL
							m,p-Xylene	2 ug/mL
							Methyl tert-butyl ether	2 ug/mL
							Methylene Chloride	2 ug/mL
							n-Butylbenzene	2 ug/mL
							n-Heptane	2 ug/mL
							N-Propylbenzene	2 ug/mL
							Naphthalene	2 ug/mL
							o-Xylene	2 ug/mL
							sec-Butylbenzene	2 ug/mL
							Styrene	2 ug/mL
							tert-Butylbenzene	2 ug/mL
							Tetrachloroethene	2 ug/mL
							Tetrahydrofuran	4 ug/mL
							Toluene	2 ug/mL
							trans-1,2-Dichloroethene	2 ug/mL
							trans-1,3-Dichloropropene	2 ug/mL
							trans-1,4-Dichloro-2-butene	2 ug/mL
							Trichloroethene	2 ug/mL
							Vinyl acetate	2 ug/mL
							Acrolein	2 ug/mL
							Acetonitrile	20 ug/mL
							Ethanol	100 ug/mL
							Isopropyl ether	2 ug/mL
							Propionitrile	20 ug/mL
							Tert-amyl methyl ether	2 ug/mL
							Tert-butyl ethyl ether	2 ug/mL
.VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VMA158260MEG1_00019	80 uL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							trans-1,4-Dichloro-2-butene	200 ug/mL
							Trichloroethene	200 ug/mL
					VMA158260VA1_00019	40 uL	Vinyl acetate	200 ug/mL
					VMANU8260ACR1_00063	10 uL	Acrolein	200 ug/mL
					VMANU8260POL1_00004	100 uL	Acetonitrile	2000 ug/mL
..VMA158260CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		Ethanol	10000 ug/mL
							Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							2-Chloroethyl vinyl ether	2500 ug/mL
							Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
..VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
..VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
..VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
..VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
..VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VMA158260MEG1_00019	80 uL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor	200 ug/mL
							oethane	
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	200 ug/mL
							Trichloroethene	200 ug/mL
							VMA158260VA1_00019	40 uL
							VMA158260VA1_00019	40 uL
							VMANU8260ACR1_00063	10 uL
							VMANU8260ACR1_00063	10 uL
							VMANU8260POL1_00004	100 uL
							VMANU8260POL1_00004	100 uL
							Acetonitrile	2000 ug/mL
							Ethanol	10000 ug/mL
.VMA1582602CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							2-Chloroethyl vinyl ether	2500 ug/mL
							Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
.VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
.VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260CCV1_00408	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	20 uL	2-Chloroethyl vinyl ether	50 ug/mL
					VMA158260GAS1_00080	20 uL	Bromomethane	50 ug/mL
					VMA158260GAS1_00080	20 uL	Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
					VMA158260KET1_00013	4 uL	2-Butanone (MEK)	50 ug/mL
					VMA158260KET1_00013	4 uL	2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
					VMA158260MEG1_00019	20 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
					VMA158260MEG1_00019	20 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor	50 ug/mL
							oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VMA158260VA1_00019	8 uL	Vinyl acetate	40 ug/mL
					VMANU8260ACR1_00063	2.5 uL	Acrolein	50 ug/mL
					VMANU8260POL1_00004	25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
.VMA1582602CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
.VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropene	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropene	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260CCV1_00416	04/12/16	04/05/16	Methanol, Lot 3272619	1 mL	VMA158260MEG1_00019	20 uL	Benzene	50 ug/mL
							Ethylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							o-Xylene	50 ug/mL
							Toluene	50 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260IS_00102	04/30/16	03/30/16	Methanol, Lot 3211630	1 mL	VMANU8260ISD1_00094	20 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00099	25 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00094	09/15/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00099	09/15/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260ISD1_00095	800 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00097	1000 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00095	09/24/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00097	09/24/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260SUR2_00018	800 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMANU8260SUR2_00018	09/17/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNU8260LCS2_00070	04/06/16	03/30/16	Methanol, Lot 3211630	10 mL	VMA158260MEG2_00020	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00020	09/09/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260LCS2_00071	04/13/16	04/06/16	Methanol, Lot 3272619	10 mL	VMA158260MEG2_00021	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00021	10/06/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2500 ug/mL
VMWNUSURR200_00082	04/29/16	03/29/16	Methanol, Lot 3211630	1 mL	VMANU8260SUR1_00038	80 uL	1,2-Dichloroethane-d4 (Surr)	200 ug/mL
							4-Bromofluorobenzene (Surr)	200 ug/mL
							Dibromofluoromethane (Surr)	200 ug/mL
							Toluene-d8 (Surr)	200 ug/mL
.VMANU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNUSURR50_00082	04/29/16	03/29/16	Methanol, Lot 3211630	1 mL	VMANU8260SUR1_00038	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMANU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Method 8260B Low Level

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-VRX B ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
MW-06	440-143182-1	126	118	112
MW-08	440-143182-2	124	117	111
MW-09	440-143182-3	123	118	109
MW-11	440-143182-4	123	119	111
MW-13	440-143182-5	129	116	111
MW-23	440-143182-6	122	119	114
MW-24	440-143182-7	120	119	109
	MB 440-322726/5	125	118	113
	LCS 440-322726/6	124	112	114
	440-143310-A-3 MS	123	110	112
	440-143310-A-3 MSD	120	111	112

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
76-132
80-128
80-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: GED07006.D
Lab ID: LCS 440-322726/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.0	96	68-130	
Ethylbenzene	25.0	24.5	98	70-130	
m,p-Xylene	25.0	24.8	99	70-130	
o-Xylene	25.0	24.0	96	70-130	
Toluene	25.0	23.4	94	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: GED07009.D
Lab ID: 440-143310-A-3 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	25.1	100	66-130	
Ethylbenzene	25.0	ND	25.2	101	70-130	
m,p-Xylene	25.0	ND	25.3	101	70-133	
o-Xylene	25.0	ND	24.6	99	70-133	
Toluene	25.0	ND	24.1	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: GED07010.D
 Lab ID: 440-143310-A-3 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	24.6	98	2	20	66-130	
Ethylbenzene	25.0	25.0	100	1	20	70-130	
m,p-Xylene	25.0	25.5	102	1	25	70-133	
o-Xylene	25.0	24.5	98	0	20	70-133	
Toluene	25.0	24.1	96	0	20	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab File ID: GED07005.D Lab Sample ID: MB 440-322726/5
Matrix: Water Heated Purge: (Y/N) Y
Instrument ID: GCMS56 Date Analyzed: 04/07/2016 09:23
GC Column: DB-VRX B ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-322726/6	GED07006.D	04/07/2016 09:52
	440-143310-A-3 MS	GED07009.D	04/07/2016 11:44
	440-143310-A-3 MSD	GED07010.D	04/07/2016 12:13
MW-11	440-143182-4	GED07013.D	04/07/2016 13:42
MW-13	440-143182-5	GED07014.D	04/07/2016 14:12
MW-23	440-143182-6	GED07015.D	04/07/2016 14:41
MW-06	440-143182-1	GED07018.D	04/07/2016 16:10
MW-08	440-143182-2	GED07019.D	04/07/2016 16:39
MW-09	440-143182-3	GED07020.D	04/07/2016 17:09
MW-24	440-143182-7	GED07021.D	04/07/2016 17:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab File ID: GED02010.D BFB Injection Date: 04/02/2016
 Instrument ID: GCMS56 BFB Injection Time: 14:55
 Analysis Batch No.: 321924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.1
75	30.0 - 60.0 % of mass 95	42.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.6 (0.6) 1
174	50.0 - 120.00 % of mass 95	91.5
175	5.0 - 9.0 % of mass 174	6.4 (7.0) 1
176	95.0 - 101.0 % of mass 174	89.4 (97.7) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 440-321924/4	GED02013.D	04/02/2016	16:25
	STD035 440-321924/5	GED02014.D	04/02/2016	16:55
	STD05 440-321924/6	GED02015.D	04/02/2016	17:24
	STD1 440-321924/7	GED02016.D	04/02/2016	17:54
	STD2 440-321924/8	GED02017.D	04/02/2016	18:24
	STD5 440-321924/9	GED02018.D	04/02/2016	18:53
	STD10 440-321924/10	GED02019.D	04/02/2016	19:23
	ICIS 440-321924/11	GED02020.D	04/02/2016	19:52
	STD50 440-321924/12	GED02021.D	04/02/2016	20:22
	STD100 440-321924/13	GED02022.D	04/02/2016	20:51
	STD200 440-321924/14	GED02023.D	04/02/2016	21:21
	STD300 440-321924/15	GED02024.D	04/02/2016	21:51
	ICV 440-321924/18	GED02027.D	04/02/2016	23:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab File ID: GED07001.D BFB Injection Date: 04/07/2016
Instrument ID: GCMS56 BFB Injection Time: 06:40
Analysis Batch No.: 322726

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.6
75	30.0 - 60.0 % of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.5 (0.5) 1
174	50.0 - 120.00 % of mass 95	87.1
175	5.0 - 9.0 % of mass 174	6.1 (7.0) 1
176	95.0 - 101.0 % of mass 174	85.7 (98.5) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 440-322726/3	GED07003.D	04/07/2016	08:23
	MB 440-322726/5	GED07005.D	04/07/2016	09:23
	LCS 440-322726/6	GED07006.D	04/07/2016	09:52
	440-143310-A-3 MS	GED07009.D	04/07/2016	11:44
	440-143310-A-3 MSD	GED07010.D	04/07/2016	12:13
MW-11	440-143182-4	GED07013.D	04/07/2016	13:42
MW-13	440-143182-5	GED07014.D	04/07/2016	14:12
MW-23	440-143182-6	GED07015.D	04/07/2016	14:41
MW-06	440-143182-1	GED07018.D	04/07/2016	16:10
MW-08	440-143182-2	GED07019.D	04/07/2016	16:39
MW-09	440-143182-3	GED07020.D	04/07/2016	17:09
MW-24	440-143182-7	GED07021.D	04/07/2016	17:38

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: ICIS 440-321924/11 Date Analyzed: 04/02/2016 19:52
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED02020.D Heated Purge: (Y/N) Y
 Calibration ID: 13954

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		540882	3.67	1274157	6.49	949292	9.15
UPPER LIMIT		1081764	3.97	2548314	6.79	1898584	9.45
LOWER LIMIT		270441	3.37	637079	6.19	474646	8.85
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 440-321924/18		489151	3.67	1087170	6.49	832216	9.15
CCVIS 440-322726/3		614671	3.67	1343277	6.50	1027399	9.15

TBA = TBA-d9 (IS)

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: ICIS 440-321924/11 Date Analyzed: 04/02/2016 19:52
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED02020.D Heated Purge: (Y/N) Y
 Calibration ID: 13954

	DCB					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	477981	11.51				
UPPER LIMIT	955962	11.81				
LOWER LIMIT	238991	11.21				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321924/18		410097 11.51				
CCVIS 440-322726/3		520378 11.51				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-322726/3 Date Analyzed: 04/07/2016 08:23
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED07003.D Heated Purge: (Y/N) Y
 Calibration ID: 13962

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	614671	3.67	1343277	6.50	1027399	9.15	
UPPER LIMIT	1229342	3.97	2686554	6.80	2054798	9.45	
LOWER LIMIT	307336	3.37	671639	6.20	513700	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322726/5		622717	3.67	1277467	6.50	922257	9.15
LCS 440-322726/6		610371	3.67	1281563	6.49	965668	9.15
440-143310-A-3 MS		543268	3.67	1243563	6.50	957122	9.15
440-143310-A-3 MSD		617215	3.67	1274530	6.49	959109	9.15
440-143182-4	MW-11	668284	3.67	1358227	6.49	959348	9.15
440-143182-5	MW-13	650697	3.67	1270770	6.49	944275	9.15
440-143182-6	MW-23	666652	3.67	1046486	6.49	744255	9.15
440-143182-1	MW-06	690517	3.67	1123586	6.49	815811	9.15
440-143182-2	MW-08	646355	3.67	1143546	6.49	834257	9.15
440-143182-3	MW-09	712963	3.67	1116835	6.49	820743	9.15
440-143182-7	MW-24	735887	3.67	1178880	6.49	841131	9.15

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-322726/3 Date Analyzed: 04/07/2016 08:23
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED07003.D Heated Purge: (Y/N) Y
 Calibration ID: 13962

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		520378	11.51				
UPPER LIMIT		1040756	11.81				
LOWER LIMIT		260189	11.21				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322726/5		497985	11.51				
LCS 440-322726/6		511213	11.51				
440-143310-A-3 MS		495449	11.51				
440-143310-A-3 MSD		505962	11.51				
440-143182-4	MW-11	519570	11.51				
440-143182-5	MW-13	498802	11.51				
440-143182-6	MW-23	396769	11.51				
440-143182-1	MW-06	438354	11.51				
440-143182-2	MW-08	451627	11.51				
440-143182-3	MW-09	450888	11.51				
440-143182-7	MW-24	464880	11.51				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-06 Lab Sample ID: 440-143182-1
 Matrix: Water Lab File ID: GED07018.D
 Analysis Method: 8260B Date Collected: 03/29/2016 17:43
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 16:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	126		76-132
2037-26-5	Toluene-d8 (Surr)	118		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-08 Lab Sample ID: 440-143182-2
 Matrix: Water Lab File ID: GED07019.D
 Analysis Method: 8260B Date Collected: 03/29/2016 14:29
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	7.7		0.50	
100-41-4	Ethylbenzene	12		0.50	
179601-23-1	m,p-Xylene	1.0		1.0	
95-47-6	o-Xylene	2.4		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	3.4		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	111		80-120
1868-53-7	Dibromofluoromethane (Surr)	124		76-132
2037-26-5	Toluene-d8 (Surr)	117		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-09 Lab Sample ID: 440-143182-3
 Matrix: Water Lab File ID: GED07020.D
 Analysis Method: 8260B Date Collected: 03/29/2016 16:02
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 17:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	1.3		0.50	
100-41-4	Ethylbenzene	4.2		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	1.1		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	1.1		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		80-120
1868-53-7	Dibromofluoromethane (Surr)	123		76-132
2037-26-5	Toluene-d8 (Surr)	118		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 440-143182-4
 Matrix: Water Lab File ID: GED07013.D
 Analysis Method: 8260B Date Collected: 03/29/2016 10:25
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 13:42
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	111		80-120
1868-53-7	Dibromofluoromethane (Surr)	123		76-132
2037-26-5	Toluene-d8 (Surr)	119		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-13 Lab Sample ID: 440-143182-5
 Matrix: Water Lab File ID: GED07014.D
 Analysis Method: 8260B Date Collected: 03/29/2016 13:15
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 14:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	111		80-120
1868-53-7	Dibromofluoromethane (Surr)	129		76-132
2037-26-5	Toluene-d8 (Surr)	116		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-23 Lab Sample ID: 440-143182-6
 Matrix: Water Lab File ID: GED07015.D
 Analysis Method: 8260B Date Collected: 03/29/2016 11:55
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 14:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	1.3		0.50	
100-41-4	Ethylbenzene	3.2		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	2.6		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	2.6		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	122		76-132
2037-26-5	Toluene-d8 (Surr)	119		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: MW-24 Lab Sample ID: 440-143182-7
 Matrix: Water Lab File ID: GED07021.D
 Analysis Method: 8260B Date Collected: 04/01/2016 09:30
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 17:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	6.5		0.50	
100-41-4	Ethylbenzene	6.6		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	5.3		0.50	
108-88-3	Toluene	1.1		0.50	
1330-20-7	Xylenes, Total	5.3		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		76-132
2037-26-5	Toluene-d8 (Surr)	119		80-128

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321924/4	GED02013.D
Level 2	STD035 440-321924/5	GED02014.D
Level 3	STD05 440-321924/6	GED02015.D
Level 4	STD1 440-321924/7	GED02016.D
Level 5	STD2 440-321924/8	GED02017.D
Level 6	STD5 440-321924/9	GED02018.D
Level 7	STD10 440-321924/10	GED02019.D
Level 8	ICIS 440-321924/11	GED02020.D
Level 9	STD50 440-321924/12	GED02021.D
Level 10	STD100 440-321924/13	GED02022.D
Level 11	STD200 440-321924/14	GED02023.D
Level 12	STD300 440-321924/15	GED02024.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
Dichlorodifluoromethane	+++++ 0.3630 0.4096	+++++ 0.3758 0.3832	0.3473 0.3840	0.3123 0.3650	0.2759 0.4006	Ave		0.3617				11.3		15.0			
Chloromethane	+++++ 0.2816 0.3307	+++++ 0.2831 0.3208	0.2332 0.2876	0.2534 0.2856	0.2519 0.3095	Ave		0.2837			0.1000	11.0		15.0			
Vinyl chloride	+++++ 0.2236 0.2656	0.2274 0.2225 0.2381	0.2051 0.2117	0.1992 0.2315	0.1920 0.2438	Ave		0.2237				9.5		30.0			
1,3-Butadiene	+++++ 0.1929 0.2198	+++++ 0.1839 0.2003	+++++ 0.1814	0.1612 0.2023	0.1547 0.2023	Ave		0.1887				11.1		15.0			
Bromomethane	+++++ 0.1469 0.2110	+++++ 0.1648 0.1997	0.1258 0.1654	0.1356 0.1778	0.1318 0.1907	Lin1	-0.088	0.1989							0.9960		0.9900
Chloroethane	+++++ 0.1066 0.1455	+++++ 0.1165 0.1396	0.0870 0.1160	0.0957 0.1246	0.1018 0.1344	Lin1	-0.056	0.1387							0.9970		0.9900
Ethanol	+++++ 0.0822 0.0810	+++++ 0.0777 0.0776	+++++ 0.0738	+++++ 0.0718	0.0743 0.0765	Ave		0.0768				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorofluoromethane	+++++ 0.4236 0.5190	+++++ 0.4565 0.4834	0.4543 0.4384	0.4137 0.4640	0.3987 0.4949	Ave		0.4547				8.3		15.0			
Acrolein	+++++ 0.0211 0.0332	+++++ 0.0237 0.0346	+++++ 0.0236	+++++ 0.0272	0.0255 0.0323	Lin1	-0.051	0.0332							0.9940		0.9900
Acetonitrile	+++++ 0.0219 0.0233	+++++ 0.0214 0.0242	+++++ 0.0213	0.0223 0.0207	0.0279 0.0237	Ave		0.0230				9.6		15.0			
Trichlorofluoromethane	+++++ 0.4620 0.5481	+++++ 0.4777 0.5165	0.4252 0.4808	0.4195 0.4972	0.4323 0.5314	Ave		0.4791				9.4		15.0			
Acetone	+++++ 0.0635 0.0717	+++++ 0.0556 0.0756	+++++ 0.0589	+++++ 0.0642	+++++ 0.0790	Ave		0.0669				13.0		15.0			
Diethyl ether	+++++ 0.1841 0.1805	+++++ 0.1952 0.2078	+++++ 0.1849	0.1834 0.1812	0.1821 0.1854	Ave		0.1872				4.7		15.0			
1,1-Dichloroethene	+++++ 0.2862 0.2523	+++++ 0.2632 0.2513	0.2664 0.2899	0.2721 0.2673	0.2669 0.2622	Ave		0.2678				4.7		30.0			
Iodomethane	+++++ 0.5505 0.4754	+++++ 0.5642 0.4576	0.5121 0.5569	0.5342 0.5181	0.5379 0.4988	Ave		0.5206				6.8		15.0			
tert-Butyl alcohol (TBA)	+++++ 1.1137 1.0532	+++++ 1.0906 0.9771	+++++ 1.0360	1.0701 1.0337	1.0823 1.0622	Ave		1.0577				3.7		15.0			
Acrylonitrile	0.0998 0.1054 +++++	0.1034 0.1045 +++++	0.1152 0.1031	0.1068 0.0921	0.1065 0.0886	Ave		0.1026				7.4		15.0			
Methylene Chloride	+++++ 0.3489 0.2822	+++++ 0.3265 0.2715	+++++ 0.3276	0.4221 0.3006	0.3520 0.2981	Ave		0.3255				14.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2974 0.2790	+++++ 0.3078 0.2611	0.3070 0.3078	0.3131 0.2878	0.3073 0.2846	Ave		0.2953				5.7		15.0			
Allyl chloride	+++++ 0.4590 0.3595	+++++ 0.4620 +++++	0.4207 0.4532	0.4097 0.4107	0.4832 0.3865	Ave		0.4272				9.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Carbon disulfide	+++++ 0.9979 0.9616	+++++ 1.0412 0.9131	0.8295 1.0582	0.8880 1.0062	0.9014 1.0112	Ave		0.9608				7.8		15.0			
trans-1,2-Dichloroethene	+++++ 0.2944 0.2647	+++++ 0.2945 0.2540	0.2423 0.2873	0.2717 0.2764	0.2615 0.2751	Ave		0.2722				6.3		15.0			
Methyl-t-Butyl Ether (MTBE)	+++++ 0.7302 0.7985	+++++ 0.7104 0.7788	0.6896 0.7896	0.7521 0.7662	0.7196 0.8085	Ave		0.7543				5.4		15.0			
1,1-Dichloroethane	+++++ 0.5601 0.5120	+++++ 0.5678 0.4848	0.4688 0.5715	0.5447 0.5383	0.5625 0.5386	Ave		0.5349		0.1000		6.6		15.0			
Propionitrile	+++++ 0.0416 0.0361	+++++ 0.0426 0.0358	+++++ 0.0437	+++++ 0.0379	0.0382 0.0390	Ave		0.0394				7.6		15.0			
Vinyl acetate	+++++ 0.5589 0.5766	+++++ 0.5779 0.5592	+++++ 0.5862	+++++ 0.5836	0.5271 0.6075	Ave		0.5721				4.2		15.0			
Hexane	+++++ 0.4354 0.3700	+++++ 0.4196 0.3556	+++++ 0.4235	0.3921 0.3960	0.4331 0.3881	Ave		0.4015				7.0		15.0			
2-Butanone (MEK)	+++++ 0.0237 0.0296	+++++ 0.0251 0.0316	+++++ 0.0283	+++++ 0.0283	+++++ 0.0297	Ave		0.0281				9.8		15.0			
Isopropyl Ether (DIPE)	+++++ 0.9416 0.7769	+++++ 0.9944 0.7284	0.8325 0.9824	0.8659 0.8671	0.9117 0.8302	Ave		0.8731				9.9		15.0			
cis-1,2-Dichloroethene	+++++ 0.3177 0.2754	+++++ 0.3244 0.2693	0.2689 0.3167	0.2979 0.2954	0.3241 0.2884	Ave		0.2978				7.4		15.0			
Bromochloromethane	+++++ 0.1471 0.1361	+++++ 0.1570 0.1335	0.1207 0.1514	0.1120 0.1430	0.1384 0.1395	Ave		0.1379				9.8		15.0			
Chloroform	+++++ 0.5577 0.5465	+++++ 0.5679 0.5085	0.5247 0.5654	0.5580 0.5504	0.5700 0.5619	Ave		0.5511				3.6		30.0			
2,2-Dichloropropane	+++++ 0.2586 0.2526	+++++ 0.2734 0.2147	+++++ 0.2692	0.2502 0.2667	0.2489 0.2720	Ave		0.2562				7.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Ethyl-t-butyl ether (ETBE)	+++++ 0.8971 0.8079	+++++ 0.9223 0.7522	0.7607 0.9022	0.8513 0.8297	0.8467 0.8091	Ave		0.8379				6.9		15.0			
Isobutyl alcohol	+++++ 0.4564 0.3663	+++++ 0.4481 0.3467	0.3758 0.4070	0.3738 0.3863	0.3987 0.3894	Ave		0.3949				8.8		15.0			
Tetrahydrofuran	+++++ 0.1097 0.0886	+++++ 0.1049 0.0893	+++++ 0.1039	+++++ 0.0909	0.1385 0.0933	Lin2	0.1885	0.0920							0.9980		0.9900
1,2-Dichloroethane	+++++ 0.4681 0.4957	+++++ 0.4560 0.4600	0.4617 0.4660	0.3982 0.4610	0.4628 0.4917	Ave		0.4621				5.7		15.0			
1,1,1-Trichloroethane	+++++ 0.4225 0.5166	+++++ 0.4308 0.4755	0.4070 0.4496	0.3889 0.4688	0.3891 0.5118	Ave		0.4461				10.4		15.0			
1,1-Dichloropropene	+++++ 0.3905 0.3753	+++++ 0.3983 0.3548	0.3957 0.3933	0.3919 0.3837	0.3896 0.3852	Ave		0.3858				3.3		15.0			
Cyclohexane	+++++ 0.4960 0.4169	+++++ 0.5064 0.3875	0.4966 0.4840	0.5234 0.4491	0.4791 0.4312	Ave		0.4670				9.4		15.0			
Carbon tetrachloride	+++++ 0.3801 0.4767	+++++ 0.3899 0.4386	0.3033 0.4138	0.3533 0.4412	0.3214 0.4822	Lin2	-0.074	0.4288							0.9900		0.9900
Benzene	+++++ 1.1125 0.8185	+++++ 1.0910 +++++	1.0856 1.0457	1.0874 0.9455	1.1063 0.8861	Ave		1.0198				10.7		15.0			
Tert-amyl-methyl ether (TAME)	+++++ 0.7837 0.6938	+++++ 0.7755 0.6671	1.2797 0.7830	0.9807 0.7059	0.8542 0.7159	Lin2	0.2802	0.7153							0.9980		0.9900
Dibromomethane	+++++ 0.1944 0.1766	+++++ 0.1910 0.1683	0.1719 0.1936	0.1904 0.1797	0.1861 0.1809	Ave		0.1833				5.0		15.0			
n-Heptane	+++++ 0.4770 +++++	+++++ 0.4608 +++++	+++++ 0.4339	0.4826 0.3826	0.4906 0.3568	Ave		0.4406				11.9		15.0			
1,2-Dichloropropane	+++++ 0.2870 0.2253	+++++ 0.2837 0.2194	0.2557 0.2759	0.2747 0.2539	0.2735 0.2374	Ave		0.2587				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Trichloroethene	+++++ 0.2812 0.2360	+++++ 0.2785 0.2294	0.2922 0.2715	0.2782 0.2517	0.2859 0.2441	Ave		0.2649				8.5		15.0			
Bromodichloromethane	+++++ 0.3943 0.4391	+++++ 0.4042 0.4045	0.3190 0.4304	0.3384 0.4271	0.3494 0.4486	Ave		0.3955				11.4		15.0			
2-Chloroethyl vinyl ether	+++++ 0.2327 0.1930	+++++ 0.2386 0.1697	+++++ 0.2391	+++++ 0.2038	0.1944 0.1802	Ave		0.2064				13.2		15.0			
cis-1,3-Dichloropropene	+++++ 0.6094 0.5359	+++++ 0.6224 0.4516	0.4942 0.6222	0.5422 0.5623	0.5912 0.5103	Ave		0.5542				10.5		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.3670 0.3568	+++++ 0.3683 0.3123	+++++ 0.3658	+++++ 0.3646	0.3778 0.3378	Ave		0.3563				6.0		15.0			
trans-1,3-Dichloropropene	+++++ 0.5481 0.5421	+++++ 0.5596 0.4545	0.3559 0.5769	0.4810 0.5492	0.4852 0.5125	Ave		0.5065				13.0		15.0			
1,1,2-Trichloroethane	+++++ 0.2925 0.2367	+++++ 0.2940 +++++	0.2528 0.2849	0.2694 0.2465	0.2827 0.2182	Ave		0.2642				10.2		15.0			
Toluene	+++++ 1.4887 +++++	+++++ 1.4059 +++++	1.4968 1.3554	1.5479 1.1580	1.4520 +++++	Ave		1.4149				9.2		30.0			
1,3-Dichloropropane	+++++ 0.5348 0.4545	+++++ 0.5414 +++++	0.5010 0.5366	0.5498 0.4857	0.5328 0.4238	Ave		0.5067				8.7		15.0			
Ethyl methacrylate	+++++ 0.4354 0.3875	+++++ 0.4268 0.3430	0.2929 0.4457	0.3339 0.4032	0.3894 0.3647	Ave		0.3823				12.8		15.0			
2-Hexanone	+++++ 0.2229 0.2724	+++++ 0.2203 0.2404	+++++ 0.2362	+++++ 0.2644	0.2653 0.2541	Ave		0.2470				8.1		15.0			
Dibromochloromethane	+++++ 0.3515 0.4159	+++++ 0.3821 0.3551	0.2737 0.4224	0.3027 0.3990	0.3099 0.3836	Ave		0.3596				14.0		15.0			
1,2-Dibromoethane (EDB)	+++++ 0.3685 0.3294	+++++ 0.3809 0.2848	0.3537 0.3725	0.3245 0.3426	0.3545 0.3100	Ave		0.3422				8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Tetrachloroethene	+++++ 0.3237 0.2598	+++++ 0.3188 +++++	0.3284 0.3021	0.2981 0.2679	0.3334 0.2400	Ave		0.2969				11.3		15.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3278 0.3399	+++++ 0.3547 0.2881	0.2632 0.3660	0.3288 0.3416	0.3147 0.3164	Ave		0.3241				9.4		15.0			
Chlorobenzene	+++++ 1.0216 +++++	+++++ 0.9850 +++++	1.0358 0.9369	1.0219 0.7955	1.0149 0.6857	Ave		0.9372			0.3000	13.7		15.0			
Ethylbenzene	+++++ 1.6790 +++++	+++++ 1.6482 +++++	1.8922 1.5701	1.7641 1.3759	1.7487 +++++	Ave		1.6683				9.8		30.0			
m,p-Xylene	+++++ 0.6565 0.5323	+++++ 0.6346 +++++	0.7272 0.6221	0.6504 0.5428	0.6533 0.4834	Ave		0.6114				12.5		15.0			
Bromoform	+++++ 0.2257 0.3179	+++++ 0.2555 0.2723	0.1348 0.3022	0.1750 0.2853	0.1953 0.2829	Lin1	-0.116	0.2896			0.1000				0.9950		0.9900
Styrene	+++++ 1.0086 0.8140	+++++ 1.0155 +++++	0.9330 0.9774	1.0377 0.8533	1.0341 0.7570	Ave		0.9367				11.1		15.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8894 0.6564	+++++ 0.9065 +++++	0.8740 0.8421	0.8958 0.7374	0.9081 0.6727	Ave		0.8203			0.3000	12.5		15.0			
o-Xylene	+++++ 0.6335 0.5065	0.6653 0.6375 +++++	0.6646 0.5990	0.6439 0.5086	0.6789 0.4551	Ave		0.5993				13.3		15.0			
1,2,3-Trichloropropane	+++++ 0.7297 0.6740	+++++ 0.7569 0.6221	0.7021 0.7862	0.7201 0.7359	0.6861 0.7168	Ave		0.7130				6.4		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2251 0.2339	+++++ 0.2419 0.2216	+++++ 0.2506	+++++ 0.2373	+++++ 0.2379	Ave		0.2355				4.2		15.0			
Isopropylbenzene	+++++ 1.5818 1.1879	+++++ 1.5541 +++++	1.6075 1.4736	1.5707 1.2860	1.6022 1.1401	Ave		1.4449				13.0		15.0			
Bromobenzene	+++++ 0.9224 0.7325	+++++ 0.9213 0.6851	0.8272 0.8698	0.7944 0.8116	0.8424 0.7286	Ave		0.8135				9.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
n-Propylbenzene	++++ 3.9708 ++++	++++ 3.9178 ++++	3.7433 3.6746	3.8916 3.3943	3.8900 2.9760	Ave		3.6823				9.2		15.0			
2-Chlorotoluene	++++ 2.4607 1.8729	++++ 2.4336 ++++	2.5742 2.3624	2.6016 2.1853	2.4088 1.9872	Ave		2.3208				10.9		15.0			
4-Chlorotoluene	++++ 2.6579 1.9462	++++ 2.5649 ++++	2.6256 2.4810	2.6757 2.3501	2.4275 2.1233	Ave		2.4280				10.4		15.0			
1,3,5-Trimethylbenzene	++++ 2.6601 2.0387	++++ 2.6671 ++++	2.5999 2.5832	2.5847 2.4217	2.6356 2.2189	Ave		2.4900				8.9		15.0			
tert-Butylbenzene	++++ 2.1983 1.7500	++++ 2.2061 ++++	2.2296 2.1463	2.0786 1.9718	2.2071 1.8302	Ave		2.0687				8.6		15.0			
1,2,4-Trimethylbenzene	++++ 2.8046 2.1115	++++ 2.7921 ++++	2.6076 2.6350	2.8652 2.5217	2.7188 2.2803	Ave		2.5930				9.7		15.0			
sec-Butylbenzene	++++ 3.4870 ++++	++++ 3.4620 ++++	3.5520 3.2811	3.5809 3.0486	3.4337 2.7408	Ave		3.3233				8.8		15.0			
1,3-Dichlorobenzene	++++ 1.6202 1.2575	++++ 1.6039 ++++	1.5320 1.5106	1.5256 1.4134	1.6312 1.2898	Ave		1.4871				9.3		15.0			
1,4-Dichlorobenzene	++++ 1.6230 1.2447	++++ 1.6519 ++++	1.6783 1.5366	1.6891 1.3941	1.6808 1.2854	Ave		1.5316				11.6		15.0			
p-Isopropyltoluene	++++ 2.8058 2.1002	++++ 2.8237 ++++	2.6282 2.6411	2.9106 2.4843	2.7676 2.2805	Ave		2.6047				10.4		15.0			
1,2-Dichlorobenzene	++++ 1.6817 1.2179	++++ 1.5936 ++++	1.4754 1.5097	1.6534 1.4012	1.5730 1.2686	Ave		1.4861				11.0		15.0			
n-Butylbenzene	++++ 3.0374 ++++	++++ 2.9400 ++++	2.9411 2.7560	2.8787 2.6099	3.0403 2.3305	Ave		2.8167				8.7		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1564 0.2270	++++ 0.1851 0.2171	++++ 0.2119	0.1050 0.2205	0.1276 0.2297	Lin2	-0.126	0.2131							0.9910		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
	LVL 11	LVL 12															
1,2,4-Trichlorobenzene	++++ 1.3353 ++++	++++ 1.3177 ++++	1.1856 1.1830	1.2263 1.0717	1.2887 0.9827	Ave		1.1989				10.2		15.0			
Naphthalene	++++ 2.7989 ++++	++++ 2.7355 ++++	2.4983 2.5925	2.5642 2.2627	2.7450 2.0316	Ave		2.5286				10.4		15.0			
Hexachlorobutadiene	++++ 0.9038 0.7196	++++ 0.9078 ++++	0.9440 0.8802	0.8901 0.8318	0.8674 0.7816	Ave		0.8585				8.2		15.0			
1,2,3-Trichlorobenzene	++++ 1.2326 ++++	++++ 1.2485 ++++	1.2519 1.1424	1.1706 1.0086	1.2080 ++++	Ave		1.1804				7.3		15.0			
Dibromofluoromethane (Surr)	0.2776	0.2992	0.3065	0.3004	0.3030	Ave		0.2973				3.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3126	0.3994	0.4014	0.3807	0.4609	Ave		0.3910				13.6		15.0			
Toluene-d8 (Surr)	1.1540	1.2482	1.1697	1.0453	0.9063	Ave		1.1047				12.0		15.0			
4-Bromofluorobenzene (Surr)	0.9563	1.0916	1.0401	1.0028	0.9176	Ave		1.0017				6.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321924/4	GED02013.D
Level 2	STD035 440-321924/5	GED02014.D
Level 3	STD05 440-321924/6	GED02015.D
Level 4	STD1 440-321924/7	GED02016.D
Level 5	STD2 440-321924/8	GED02017.D
Level 6	STD5 440-321924/9	GED02018.D
Level 7	STD10 440-321924/10	GED02019.D
Level 8	ICIS 440-321924/11	GED02020.D
Level 9	STD50 440-321924/12	GED02021.D
Level 10	STD100 440-321924/13	GED02022.D
Level 11	STD200 440-321924/14	GED02023.D
Level 12	STD300 440-321924/15	GED02024.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Dichlorodifluoromethane	FB	Ave	+++++ 95096 3677751	+++++ 192540 5257574	8911 489325	16540 906317	29396 1857948	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloromethane	FB	Ave	+++++ 73774 2969280	+++++ 145046 4401496	5983 366457	13422 709225	26846 1435575	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Vinyl chloride	FB	Ave	+++++ 58574 2384896	4262 114036 3266305	5262 269766	10552 574903	20458 1130788	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,3-Butadiene	FB	Ave	+++++ 50542 1973280	+++++ 94209 2748483	+++++ 231147	8536 502426	16482 938256	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
Bromomethane	FB	Lin1	+++++ 38496 1894991	+++++ 84434 2740139	3229 210787	7182 441393	14040 884542	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroethane	FB	Lin1	+++++ 27917 1306397	+++++ 59678 1916097	2232 147865	5071 309376	10848 623603	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethanol	TBA	Ave	+++++ 41134 1498276	+++++ 75762 2404473	+++++ 199707	+++++ 356019	15534 770547	+++++ 250 10000	+++++ 500 15000	+++++ 1250	+++++ 2500	100 5000
Dichlorofluoromethane	FB	Ave	+++++ 110981 4660359	+++++ 233926 6632997	11659 558633	21910 1152183	42483 2295409	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Acrolein	FB	Lin1	++++ 5527 298077	++++ 12134 474095	++++ 30032	++++ 67513	2722 149751	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Acetonitrile	FB	Ave	++++ 57398 2096525	++++ 109561 3324944	++++ 271132	11828 514484	29741 1099246	++++ 50.0 2000	++++ 100 3000	++++ 250	10.0 500	20.0 1000
Trichlorofluoromethane	FB	Ave	++++ 121037 4920939	++++ 244790 7087099	10910 612614	22217 1234492	46066 2465017	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Acetone	FB	Ave	++++ 16644 643765	++++ 28498 1037682	++++ 75011	++++ 159367	++++ 366349	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Diethyl ether	FB	Ave	++++ 48226 1620765	++++ 100010 2851670	++++ 235540	9711 449886	19403 859919	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1-Dichloroethene	FB	Ave	++++ 74964 2265793	++++ 134854 3447825	6837 369376	14413 663848	28441 1216305	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Iodomethane	FB	Ave	++++ 144228 4268667	++++ 289107 6278380	13142 709636	28293 1286376	57324 2313363	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
tert-Butyl alcohol (TBA)	TBA	Ave	++++ 111500 3898260	++++ 212692 6053037	++++ 560376	23442 1025766	45283 2141047	++++ 50.0 2000	++++ 100 3000	++++ 250	10.0 500	20.0 1000
Acrylonitrile	FB	Ave	10018 276203 ++++	19385 535442 ++++	29569 1313644	56590 2286682	113533 4111176	2.00 50.0 ++++	3.50 100 ++++	5.00 250	10.0 500	20.0 1000
Methylene Chloride	FB	Ave	++++ 91414 2533862	++++ 167298 3725760	++++ 417473	22358 746336	37512 1382886	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 77913 2505348	++++ 157741 3583156	7878 392146	16582 714729	32750 1319874	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Allyl chloride	FB	Ave	++++ 120240 3228110	++++ 236734 ++++	10796 577509	21701 1019833	51489 1792743	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Carbon disulfide	FB	Ave	++++ 261426 8634321	++++ 533517 12528521	21287 1348259	47033 2498455	96056 4690224	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	FB	Ave	+++++ 77115 2376870	+++++ 150909 3485257	6218 366079	14391 686397	27867 1275936	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Methyl-t-Butyl Ether (MTBE)	FB	Ave	+++++ 191294 7169576	+++++ 364027 10685254	17696 1006099	39835 1902602	76680 3749922	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloroethane	FB	Ave	+++++ 146740 4597363	+++++ 290931 6651570	12031 728120	28851 1336761	59941 2498224	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Propionitrile	FB	Ave	+++++ 109099 3241928	+++++ 218090 4911568	+++++ 557434	+++++ 940584	40655 1807874	+++++ 50.0 2000	+++++ 100 3000	+++++ 250	+++++ 500	20.0 1000
Vinyl acetate	FB	Ave	+++++ 117134 5177579	+++++ 236887 7672115	+++++ 597549	+++++ 1449051	56167 2817754	+++++ 4.00 200	+++++ 8.00 300	+++++ 20.0	+++++ 50.0	2.00 100
Hexane	FB	Ave	+++++ 114066 3322323	+++++ 215000 4879454	+++++ 539630	20769 983331	46153 1799924	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
2-Butanone (MEK)	FB	Ave	+++++ 6203 265694	+++++ 12875 433869	+++++ 36120	+++++ 70212	+++++ 137869	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	+++++ 100
Isopropyl Ether (DIPE)	FB	Ave	+++++ 246671 6975349	+++++ 509544 9994779	21362 1251776	45863 2153053	97149 3850921	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
cis-1,2-Dichloroethene	FB	Ave	+++++ 83232 2472927	+++++ 166251 3694853	6901 403490	15780 733436	34541 1337562	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromochloromethane	FB	Ave	+++++ 38535 1221913	+++++ 80465 1832050	3097 192857	5931 355012	14748 647188	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroform	FB	Ave	+++++ 146097 4907103	+++++ 290998 6976528	13465 720433	29552 1366745	60742 2606214	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2,2-Dichloropropane	FB	Ave	+++++ 67739 2268427	+++++ 140071 2945875	+++++ 343002	13249 662235	26523 1261517	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
Ethyl-t-butyl ether (ETBE)	FB	Ave	+++++ 235007 7254298	+++++ 472589 10321133	19520 1149490	45090 2060151	90227 3752893	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Isobutyl alcohol	TBA	Ave	++++ 114236 3389278	++++ 218478 5368997	10669 550348	20472 958470	41701 1962243	++++ 125 5000	++++ 250 7500	12.5 625	25.0 1250	50.0 2500
Tetrahydrofuran	FB	Lin2	++++ 57488 1590507	++++ 107535 2451133	++++ 264650	++++ 451305	29510 865585	++++ 10.0 400	++++ 20.0 600	++++ 50.0	++++ 100	4.00 200
1,2-Dichloroethane	FB	Ave	++++ 122637 4450433	++++ 233665 6311253	11847 593709	21092 1144764	49321 2280659	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,1-Trichloroethane	FB	Ave	++++ 110675 4638901	++++ 220753 6524396	10444 572816	20598 1163970	41460 2373823	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloropropene	FB	Ave	++++ 102293 3369552	++++ 204089 4868371	10155 501147	20755 952717	41513 1786820	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Cyclohexane	FB	Ave	++++ 129939 3743110	++++ 259483 5316182	12744 616638	27723 1115274	51052 1999802	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Carbon tetrachloride	FB	Lin2	++++ 99573 4280584	++++ 199809 6017622	7784 527213	18714 1095429	34252 2236502	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Benzene	FB	Ave	++++ 291440 7348934	++++ 559059 ++++	27857 1332368	57594 2347773	117891 4109805	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tert-amyl-methyl ether (TAME)	FB	Lin2	++++ 205315 6229842	++++ 397369 9152757	32839 997603	51942 1752883	91030 3320764	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Dibromomethane	FB	Ave	++++ 50923 1586008	++++ 97896 2309862	4411 246662	10082 446109	19828 839090	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Heptane	FB	Ave	++++ 124973 ++++	++++ 236107 ++++	++++ 552807	25562 950016	52278 1655099	++++ 5.00 ++++	++++ 10.0 ++++	++++ 25.0	1.00 50.0	2.00 100
1,2-Dichloropropane	FB	Ave	++++ 75194 2022709	++++ 145384 3010616	6561 351560	14549 630533	29147 1101235	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Trichloroethene	FB	Ave	++++ 73666 2119028	++++ 142682 3147355	7499 345874	14732 624954	30464 1132147	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Bromodichloromethane	FB	Ave	++++ 103303 3942326	++++ 207096 5549808	8187 548334	17922 1060640	37236 2080710	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Chloroethyl vinyl ether	CBZ	Ave	++++ 44609 1380418	++++ 91214 2093620	++++ 227012	++++ 397273	15030 721839	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
cis-1,3-Dichloropropene	CBZ	Ave	++++ 116796 3834220	++++ 237965 5571428	8952 590654	20364 1095897	45709 2044273	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 70345 2552837	++++ 140808 3852526	++++ 347207	++++ 710544	29209 1353170	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
trans-1,3-Dichloropropene	CBZ	Ave	++++ 105048 3878098	++++ 213951 5606612	6447 547639	18065 1070424	37510 2053330	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,2-Trichloroethane	CBZ	Ave	++++ 56069 1693405	++++ 112413 ++++	4580 270494	10117 480508	21854 874027	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Toluene	CBZ	Ave	++++ 285344 ++++	++++ 537557 ++++	27116 1286639	58130 2256787	112261 ++++	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 ++++
1,3-Dichloropropane	CBZ	Ave	++++ 102512 3251325	++++ 206998 ++++	9076 509406	20646 946597	41194 1697807	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Ethyl methacrylate	CBZ	Ave	++++ 83454 2772102	++++ 163209 4231632	5307 423130	12538 785905	30107 1461064	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Hexanone	CBZ	Ave	++++ 42715 1948978	++++ 84246 2966045	++++ 224199	++++ 515294	20514 1018066	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Dibromochloromethane	CBZ	Ave	++++ 67376 2975757	++++ 146111 4381058	4958 401028	11367 777542	23961 1536735	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromoethane (EDB)	CBZ	Ave	++++ 70638 2356411	++++ 145650 3513938	6408 353582	12186 667779	27408 1242056	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Tetrachloroethene	CBZ	Ave	++++ 62039 1858530	++++ 121881 ++++	5950 286778	11195 522132	25780 961514	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 62829 2432061	+++++ 135625 3554449	4768 347442	12347 665714	24330 1267574	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chlorobenzene	CBZ	Ave	+++++ 195807 +++++	+++++ 376643 +++++	18765 889352	38379 1550435	78468 2747169	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Ethylbenzene	CBZ	Ave	+++++ 321806 +++++	+++++ 630194 +++++	34278 1490526	66252 2681469	135202 +++++	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 +++++
m,p-Xylene	CBZ	Ave	+++++ 125836 3808196	+++++ 242635 +++++	13173 590570	24424 1057976	50506 1936784	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Bromoform	CBZ	Lin1	+++++ 43251 2274391	+++++ 97688 3358808	2442 286909	6571 556070	15097 1133344	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Styrene	CBZ	Ave	+++++ 193316 5823469	+++++ 388290 +++++	16902 927880	38971 1663116	79947 3032839	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 84637 2470938	+++++ 170720 +++++	8321 402516	17450 687482	35607 1283697	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
o-Xylene	CBZ	Ave	+++++ 121433 3623838	+++++ 8941 243753 +++++	12040 568635	24182 991165	52491 1823083	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,2,3-Trichloropropane	DCB	Ave	+++++ 69444 2537189	+++++ 142533 3651249	6685 375788	14028 686090	26903 1367821	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 21418 880701	+++++ 45559 1300755	+++++ 119796	+++++ 221201	+++++ 454026	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	+++++ 100
Isopropylbenzene	CBZ	Ave	+++++ 303187 8498727	+++++ 594230 +++++	29122 1398883	58986 2506333	123874 4567632	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Bromobenzene	DCB	Ave	+++++ 87777 2757458	+++++ 173496 4020818	7876 415737	15475 756707	33030 1390411	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Propylbenzene	DCB	Ave	+++++ 377875 +++++	+++++ 737808 +++++	35640 1756402	75809 3164691	152527 5678997	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	DCB	Ave	++++ 234174 7050725	++++ 458299 ++++	24509 1129181	50679 2037504	94449 3792101	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
4-Chlorotoluene	DCB	Ave	++++ 252933 7326707	++++ 483015 ++++	24998 1185885	52122 2191104	95185 4051928	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3,5-Trimethylbenzene	DCB	Ave	++++ 253151 7674798	++++ 502269 ++++	24753 1234708	50350 2257925	103342 4234334	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
tert-Butylbenzene	DCB	Ave	++++ 209202 6587950	++++ 415459 ++++	21228 1025878	40490 1838412	86542 3492530	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2,4-Trimethylbenzene	DCB	Ave	++++ 266896 7949005	++++ 525803 ++++	24827 1259462	55814 2351125	106607 4351524	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
sec-Butylbenzene	DCB	Ave	++++ 331841 ++++	++++ 651971 ++++	33818 1568307	69755 2842370	134637 5230294	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichlorobenzene	DCB	Ave	++++ 154181 4733940	++++ 302042 ++++	14586 722046	29718 1317777	63961 2461215	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,4-Dichlorobenzene	DCB	Ave	++++ 154455 4685819	++++ 311096 ++++	15979 734489	32904 1299762	65905 2452928	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
p-Isopropyltoluene	DCB	Ave	++++ 267016 7906348	++++ 531767 ++++	25023 1262396	56698 2316216	108518 4351835	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichlorobenzene	DCB	Ave	++++ 160040 4584967	++++ 300106 ++++	14047 721602	32208 1306421	61679 2420790	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
n-Butylbenzene	DCB	Ave	++++ 289054 ++++	++++ 553656 ++++	28002 1317303	56077 2433332	119211 4447215	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromo-3-Chloropropane	DCB	Lin2	++++ 14888 854663	++++ 34865 1274296	++++ 101271	2046 205609	5002 438265	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,2,4-Trichlorobenzene	DCB	Ave	++++ 127072 ++++	++++ 248144 ++++	11288 565445	23889 999216	50531 1875338	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Naphthalene	DCB	Ave	+++++	+++++	23786	49951	107632	+++++	+++++	0.500	1.00	2.00
			266356	515148	1239169	2109640	3876884	5.00	10.0	25.0	50.0	100
			+++++	+++++				+++++	+++++			
Hexachlorobutadiene	DCB	Ave	+++++	+++++	8988	17339	34012	+++++	+++++	0.500	1.00	2.00
			86011	170961	420715	775499	1491427	5.00	10.0	25.0	50.0	100
			2709076	+++++				200	+++++			
1,2,3-Trichlorobenzene	DCB	Ave	+++++	+++++	11919	22804	47366	+++++	+++++	0.500	1.00	2.00
			117304	235111	546039	940387	+++++	5.00	10.0	25.0	50.0	+++++
			+++++	+++++				+++++	+++++			
Dibromofluoromethane (Surr)	FB	Ave										
			72727	153333	390484	745815	1405558	5.00	10.0	25.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave										
			81887	204671	511469	945288	2138008	5.00	10.0	25.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave										
			221183	477256	1110417	2037156	3630869	5.00	10.0	25.0	50.0	100
4-Bromofluorobenzene (Surr)	DCB	Ave										
			91010	205578	497144	934939	1751081	5.00	10.0	25.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20

Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25

GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51

Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3617	0.3622		25.0	25.0	0.2	40.0
Chloromethane	Ave	0.2837	0.3079	0.1000	27.1	25.0	8.5	40.0
Vinyl chloride	Ave	0.2237	0.2657		29.7	25.0	18.8	30.0
1,3-Butadiene	Ave	0.1887	0.2115		28.0	25.0	12.1	30.0
Bromomethane	Lin1		0.1980		25.3	25.0	1.3	30.0
Chloroethane	Lin1		0.1425		26.1	25.0	4.4	30.0
Ethanol	Ave	0.0768	0.0756		1230	1250	-1.7	40.0
Dichlorofluoromethane	Ave	0.4547	0.5167		28.4	25.0	13.6	40.0
Acrolein	Lin1		0.0264		21.4	25.0	-14.5	40.0
Acetonitrile	Ave	0.0230	0.0236		257	250	2.7	40.0
Trichlorofluoromethane	Ave	0.4791	0.5323		27.8	25.0	11.1	40.0
Acetone	Ave	0.0669	0.0691		32.3	31.3	3.2	40.0
Diethyl ether	Ave	0.1872	0.1788		23.9	25.0	-4.5	30.0
1,1-Dichloroethene	Ave	0.2678	0.2677		25.0	25.0	-0.0	30.0
Iodomethane	Ave	0.5206	0.5264		25.3	25.0	1.1	40.0
tert-Butyl alcohol (TBA)	Ave	1.058	1.026		243	250	-3.0	30.0
Acrylonitrile	Ave	0.1026	0.0905		221	250	-11.8	40.0
Methylene Chloride	Ave	0.3255	0.2912		22.4	25.0	-10.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2953	0.2984		25.3	25.0	1.0	40.0
Allyl chloride	Ave	0.4272	0.4121		24.1	25.0	-3.5	40.0
Carbon disulfide	Ave	0.9608	0.9281		24.1	25.0	-3.4	40.0
trans-1,2-Dichloroethene	Ave	0.2722	0.2476		22.7	25.0	-9.0	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7543	0.8238		27.3	25.0	9.2	30.0
1,1-Dichloroethane	Ave	0.5349	0.5251	0.1000	24.5	25.0	-1.8	30.0
Propionitrile	Ave	0.0394	0.0369		235	250	-6.2	40.0
Vinyl acetate	Ave	0.5721	0.4633		20.2	25.0	-19.0	40.0
Hexane	Ave	0.4015	0.3878		24.1	25.0	-3.4	40.0
2-Butanone (MEK)	Ave	0.0281	0.0256		28.5	31.3	-8.9	40.0
Isopropyl Ether (DIPE)	Ave	0.8731	0.8744		25.0	25.0	0.2	30.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2928		24.6	25.0	-1.7	30.0
Bromochloromethane	Ave	0.1379	0.1361		24.7	25.0	-1.3	30.0
Chloroform	Ave	0.5511	0.6015		27.3	25.0	9.1	30.0
2,2-Dichloropropane	Ave	0.2562	0.2966		28.9	25.0	15.7	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8379	0.8924		26.6	25.0	6.5	30.0
Isobutyl alcohol	Ave	0.3949	0.3416		541	625	-13.5	40.0
Tetrahydrofuran	Lin2		0.0839		43.5	50.0	-13.0	40.0
1,2-Dichloroethane	Ave	0.4621	0.5076		27.5	25.0	9.8	30.0
1,1,1-Trichloroethane	Ave	0.4461	0.5264		29.5	25.0	18.0	30.0
1,1-Dichloropropene	Ave	0.3858	0.3951		25.6	25.0	2.4	30.0
Cyclohexane	Ave	0.4670	0.4366		23.4	25.0	-6.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20

Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25

GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51

Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Lin2		0.5080		29.8	25.0	19.2	40.0
Benzene	Ave	1.020	0.9551		23.4	25.0	-6.4	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7580		26.1	25.0	4.4	30.0
Dibromomethane	Ave	0.1833	0.1812		24.7	25.0	-1.1	30.0
n-Heptane	Ave	0.4406	0.3772		21.4	25.0	-14.4	30.0
1,2-Dichloropropane	Ave	0.2587	0.2520		24.4	25.0	-2.6	30.0
Trichloroethene	Ave	0.2649	0.2653		25.0	25.0	0.2	30.0
Bromodichloromethane	Ave	0.3955	0.4535		28.7	25.0	14.7	30.0
2-Chloroethyl vinyl ether	Ave	0.2064	0.2253		27.3	25.0	9.1	40.0
cis-1,3-Dichloropropene	Ave	0.5542	0.5870		26.5	25.0	5.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3563	0.3600		31.6	31.3	1.0	40.0
trans-1,3-Dichloropropene	Ave	0.5065	0.5741		28.3	25.0	13.3	30.0
1,1,2-Trichloroethane	Ave	0.2642	0.2527		23.9	25.0	-4.3	30.0
Toluene	Ave	1.415	1.264		22.3	25.0	-10.6	30.0
1,3-Dichloropropane	Ave	0.5067	0.5004		24.7	25.0	-1.2	30.0
Ethyl methacrylate	Ave	0.3823	0.4053		26.5	25.0	6.0	40.0
2-Hexanone	Ave	0.2470	0.2472		31.3	31.3	0.0	40.0
Dibromochloromethane	Ave	0.3596	0.4123		28.7	25.0	14.7	30.0
1,2-Dibromoethane (EDB)	Ave	0.3422	0.3556		26.0	25.0	3.9	30.0
Tetrachloroethene	Ave	0.2969	0.2988		25.2	25.0	0.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3718		28.7	25.0	14.7	40.0
Chlorobenzene	Ave	0.9372	0.8583	0.3000	22.9	25.0	-8.4	30.0
Ethylbenzene	Ave	1.668	1.541		23.1	25.0	-7.7	30.0
m,p-Xylene	Ave	0.6114	0.5884		24.1	25.0	-3.8	30.0
Bromoform	Lin1		0.3099	0.1000	27.2	25.0	8.6	40.0
Styrene	Ave	0.9367	0.9028		24.1	25.0	-3.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8203	0.7804	0.3000	23.8	25.0	-4.9	30.0
o-Xylene	Ave	0.5993	0.5584		23.3	25.0	-6.8	30.0
1,2,3-Trichloropropane	Ave	0.7130	0.7462		26.2	25.0	4.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2355	0.2536		26.9	25.0	7.7	40.0
Isopropylbenzene	Ave	1.445	1.494		25.8	25.0	3.4	30.0
Bromobenzene	Ave	0.8135	0.8457		26.0	25.0	4.0	30.0
n-Propylbenzene	Ave	3.682	3.660		24.8	25.0	-0.6	30.0
2-Chlorotoluene	Ave	2.321	2.388		25.7	25.0	2.9	30.0
4-Chlorotoluene	Ave	2.428	2.499		25.7	25.0	2.9	30.0
1,3,5-Trimethylbenzene	Ave	2.490	2.651		26.6	25.0	6.5	30.0
tert-Butylbenzene	Ave	2.069	2.239		27.1	25.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	2.593	2.687		25.9	25.0	3.6	30.0
sec-Butylbenzene	Ave	3.323	3.286		24.7	25.0	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.487	1.493		25.1	25.0	0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.532	1.535		25.0	25.0	0.2	30.0
p-Isopropyltoluene	Ave	2.605	2.739		26.3	25.0	5.1	30.0
1,2-Dichlorobenzene	Ave	1.486	1.478		24.9	25.0	-0.6	30.0
n-Butylbenzene	Ave	2.817	2.738		24.3	25.0	-2.8	30.0
1,2-Dibromo-3-Chloropropane	Lin2		0.2273		27.3	25.0	9.0	40.0
1,2,4-Trichlorobenzene	Ave	1.199	1.203		25.1	25.0	0.3	40.0
Naphthalene	Ave	2.529	2.457		24.3	25.0	-2.8	40.0
Hexachlorobutadiene	Ave	0.8585	0.9474		27.6	25.0	10.4	40.0
1,2,3-Trichlorobenzene	Ave	1.180	1.110		23.5	25.0	-5.9	40.0
Dibromofluoromethane (Surr)	Ave	0.2973	0.3395		28.5	25.0	14.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3910	0.4974		31.8	25.0	27.2	
Toluene-d8 (Surr)	Ave	1.105	1.212		27.4	25.0	9.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.002	1.107		27.6	25.0	10.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3617	0.4865		33.6	25.0	34.5	40.0
Chloromethane	Ave	0.2837	0.3440	0.1000	30.3	25.0	21.2	40.0
Vinyl chloride	Ave	0.2237	0.3199		35.7	25.0	43.0*	20.0
1,3-Butadiene	Ave	0.1887	0.2731		36.2	25.0	44.7*	30.0
Bromomethane	Lin1		0.2217		28.3	25.0	13.2	30.0
Chloroethane	Lin1		0.1537		28.1	25.0	12.5	30.0
Ethanol	Ave	0.0768	0.0600		976	1250	-21.9	40.0
Dichlorofluoromethane	Ave	0.4547	0.5908		32.5	25.0	29.9	40.0
Acrolein	Lin1		0.0259		21.0	25.0	-15.9	40.0
Acetonitrile	Ave	0.0230	0.0235		256	250	2.3	40.0
Trichlorofluoromethane	Ave	0.4791	0.6194		32.3	25.0	29.3	40.0
Acetone	Ave	0.0669	0.0762		28.5	25.0	13.9	40.0
Diethyl ether	Ave	0.1872	0.2035		27.2	25.0	8.7	30.0
1,1-Dichloroethene	Ave	0.2678	0.2698		25.2	25.0	0.8	20.0
Iodomethane	Ave	0.5206	0.5413		26.0	25.0	4.0	40.0
tert-Butyl alcohol (TBA)	Ave	1.058	1.013		239	250	-4.3	30.0
Acrylonitrile	Ave	0.1026	0.0887		216	250	-13.5	40.0
Methylene Chloride	Ave	0.3255	0.3088		23.7	25.0	-5.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2953	0.3231		27.3	25.0	9.4	40.0
Allyl chloride	Ave	0.4272	0.4074		23.8	25.0	-4.6	40.0
Carbon disulfide	Ave	0.9608	1.001		26.1	25.0	4.2	40.0
trans-1,2-Dichloroethene	Ave	0.2722	0.2736		25.1	25.0	0.5	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7543	0.8751		29.0	25.0	16.0	30.0
1,1-Dichloroethane	Ave	0.5349	0.5787	0.1000	27.0	25.0	8.2	30.0
Propionitrile	Ave	0.0394	0.0364		231	250	-7.5	40.0
Vinyl acetate	Ave	0.5721	0.5512		19.3	20.0	-3.7	40.0
Hexane	Ave	0.4015	0.3853		24.0	25.0	-4.0	40.0
2-Butanone (MEK)	Ave	0.0281	0.0254		22.6	25.0	-9.6	40.0
Isopropyl Ether (DIPE)	Ave	0.8731	0.8771		25.1	25.0	0.5	30.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2868		24.1	25.0	-3.7	30.0
Bromochloromethane	Ave	0.1379	0.1487		27.0	25.0	7.8	30.0
Chloroform	Ave	0.5511	0.6361		28.9	25.0	15.4	20.0
2,2-Dichloropropane	Ave	0.2562	0.3418		33.3	25.0	33.4*	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8379	0.8942		26.7	25.0	6.7	30.0
Isobutyl alcohol	Ave	0.3949	0.3237		512	625	-18.0	40.0
Tetrahydrofuran	Lin2		0.0785		40.6	50.0	-18.8	40.0
1,2-Dichloroethane	Ave	0.4621	0.5682		30.7	25.0	23.0	30.0
1,1,1-Trichloroethane	Ave	0.4461	0.5767		32.3	25.0	29.3	30.0
1,1-Dichloropropene	Ave	0.3858	0.4086		26.5	25.0	5.9	30.0
Cyclohexane	Ave	0.4670	0.4256		22.8	25.0	-8.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23

Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25

GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51

Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Lin2		0.5306		31.1	25.0	24.4	40.0
Benzene	Ave	1.020	0.9428		23.1	25.0	-7.5	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7855		27.1	25.0	8.2	30.0
Dibromomethane	Ave	0.1833	0.2017		27.5	25.0	10.0	30.0
n-Heptane	Ave	0.4406	0.3896		22.1	25.0	-11.6	30.0
1,2-Dichloropropane	Ave	0.2587	0.2500		24.2	25.0	-3.3	20.0
Trichloroethene	Ave	0.2649	0.2634		24.9	25.0	-0.6	30.0
Bromodichloromethane	Ave	0.3955	0.4923		31.1	25.0	24.5	30.0
2-Chloroethyl vinyl ether	Ave	0.2064	0.1999		24.2	25.0	-3.1	40.0
cis-1,3-Dichloropropene	Ave	0.5542	0.6025		27.2	25.0	8.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3563	0.3444		24.2	25.0	-3.3	40.0
trans-1,3-Dichloropropene	Ave	0.5065	0.6192		30.6	25.0	22.3	30.0
1,1,2-Trichloroethane	Ave	0.2642	0.2580		24.4	25.0	-2.3	30.0
Toluene	Ave	1.415	1.234		21.8	25.0	-12.8	20.0
1,3-Dichloropropane	Ave	0.5067	0.5157		25.4	25.0	1.8	30.0
Ethyl methacrylate	Ave	0.3823	0.4099		26.8	25.0	7.2	40.0
2-Hexanone	Ave	0.2470	0.2237		22.6	25.0	-9.4	40.0
Dibromochloromethane	Ave	0.3596	0.4618		32.1	25.0	28.4	30.0
1,2-Dibromoethane (EDB)	Ave	0.3422	0.3670		26.8	25.0	7.3	30.0
Tetrachloroethene	Ave	0.2969	0.2938		24.7	25.0	-1.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3808		29.4	25.0	17.5	40.0
Chlorobenzene	Ave	0.9372	0.8454	0.3000	22.6	25.0	-9.8	30.0
Ethylbenzene	Ave	1.668	1.531		22.9	25.0	-8.2	20.0
m,p-Xylene	Ave	0.6114	0.5672		23.2	25.0	-7.2	30.0
Bromoform	Lin1		0.3090	0.1000	27.1	25.0	8.3	40.0
Styrene	Ave	0.9367	0.8968		23.9	25.0	-4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8203	0.7642	0.3000	23.3	25.0	-6.8	30.0
o-Xylene	Ave	0.5993	0.5515		23.0	25.0	-8.0	30.0
1,2,3-Trichloropropane	Ave	0.7130	0.9716		34.1	25.0	36.3*	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2355	0.2565		27.2	25.0	8.9	40.0
Isopropylbenzene	Ave	1.445	1.466		25.4	25.0	1.4	30.0
Bromobenzene	Ave	0.8135	0.8244		25.3	25.0	1.3	30.0
n-Propylbenzene	Ave	3.682	3.596		24.4	25.0	-2.3	30.0
2-Chlorotoluene	Ave	2.321	2.351		25.3	25.0	1.3	30.0
4-Chlorotoluene	Ave	2.428	2.523		26.0	25.0	3.9	30.0
1,3,5-Trimethylbenzene	Ave	2.490	2.617		26.3	25.0	5.1	30.0
tert-Butylbenzene	Ave	2.069	2.132		25.8	25.0	3.1	30.0
1,2,4-Trimethylbenzene	Ave	2.593	2.673		25.8	25.0	3.1	30.0
sec-Butylbenzene	Ave	3.323	3.288		24.7	25.0	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.487	1.490		25.0	25.0	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.532	1.486		24.3	25.0	-3.0	30.0
p-Isopropyltoluene	Ave	2.605	2.629		25.2	25.0	0.9	30.0
1,2-Dichlorobenzene	Ave	1.486	1.465		24.6	25.0	-1.4	30.0
n-Butylbenzene	Ave	2.817	2.830		25.1	25.0	0.5	30.0
1,2-Dibromo-3-Chloropropane	Lin2		0.2335		28.0	25.0	11.9	40.0
1,2,4-Trichlorobenzene	Ave	1.199	1.182		24.7	25.0	-1.4	40.0
Naphthalene	Ave	2.529	2.381		23.5	25.0	-5.9	40.0
Hexachlorobutadiene	Ave	0.8585	0.9422		27.4	25.0	9.7	40.0
1,2,3-Trichlorobenzene	Ave	1.180	1.100		23.3	25.0	-6.8	40.0
Dibromofluoromethane (Surr)	Ave	0.2973	0.3603		30.3	25.0	21.2*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3910	0.5435		34.7	25.0	39.0	
Toluene-d8 (Surr)	Ave	1.105	1.201		27.2	25.0	8.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.002	1.130		28.2	25.0	12.8	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322726/5
 Matrix: Water Lab File ID: GED07005.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 09:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	113		80-120
1868-53-7	Dibromofluoromethane (Surr)	125		76-132
2037-26-5	Toluene-d8 (Surr)	118		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-322726/6
 Matrix: Water Lab File ID: GED07006.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 09:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.0		0.50	
100-41-4	Ethylbenzene	24.5		0.50	
179601-23-1	m,p-Xylene	24.8		1.0	
95-47-6	o-Xylene	24.0		0.50	
108-88-3	Toluene	23.4		0.50	
1330-20-7	Xylenes, Total	48.8		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	124		76-132
2037-26-5	Toluene-d8 (Surr)	112		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143310-A-3 MS
 Matrix: Water Lab File ID: GED07009.D
 Analysis Method: 8260B Date Collected: 04/05/2016 06:45
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 11:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	25.1		0.50	
100-41-4	Ethylbenzene	25.2		0.50	
179601-23-1	m,p-Xylene	25.3		1.0	
95-47-6	o-Xylene	24.6		0.50	
108-88-3	Toluene	24.1		0.50	
1330-20-7	Xylenes, Total	49.9		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	123		76-132
2037-26-5	Toluene-d8 (Surr)	110		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143310-A-3 MSD
 Matrix: Water Lab File ID: GED07010.D
 Analysis Method: 8260B Date Collected: 04/05/2016 06:45
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 12:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.6		0.50	
100-41-4	Ethylbenzene	25.0		0.50	
179601-23-1	m,p-Xylene	25.5		1.0	
95-47-6	o-Xylene	24.5		0.50	
108-88-3	Toluene	24.1		0.50	
1330-20-7	Xylenes, Total	50.0		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		76-132
2037-26-5	Toluene-d8 (Surr)	111		80-128

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS56Start Date: 04/02/2016 14:55Analysis Batch Number: 321924End Date: 04/02/2016 23:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-321924/1		04/02/2016 14:55	1	GED02010.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 15:26	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 15:55	1		DB-VRX B 0.25 (mm)
STD02 440-321924/4 IC		04/02/2016 16:25	1	GED02013.D	DB-VRX B 0.25 (mm)
STD035 440-321924/5 IC		04/02/2016 16:55	1	GED02014.D	DB-VRX B 0.25 (mm)
STD05 440-321924/6 IC		04/02/2016 17:24	1	GED02015.D	DB-VRX B 0.25 (mm)
STD1 440-321924/7 IC		04/02/2016 17:54	1	GED02016.D	DB-VRX B 0.25 (mm)
STD2 440-321924/8 IC		04/02/2016 18:24	1	GED02017.D	DB-VRX B 0.25 (mm)
STD5 440-321924/9 IC		04/02/2016 18:53	1	GED02018.D	DB-VRX B 0.25 (mm)
STD10 440-321924/10 IC		04/02/2016 19:23	1	GED02019.D	DB-VRX B 0.25 (mm)
ICIS 440-321924/11		04/02/2016 19:52	1	GED02020.D	DB-VRX B 0.25 (mm)
STD50 440-321924/12 IC		04/02/2016 20:22	1	GED02021.D	DB-VRX B 0.25 (mm)
STD100 440-321924/13 IC		04/02/2016 20:51	1	GED02022.D	DB-VRX B 0.25 (mm)
STD200 440-321924/14 IC		04/02/2016 21:21	1	GED02023.D	DB-VRX B 0.25 (mm)
STD300 440-321924/15 IC		04/02/2016 21:51	1	GED02024.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 22:21	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 22:50	1		DB-VRX B 0.25 (mm)
ICV 440-321924/18		04/02/2016 23:20	1	GED02027.D	DB-VRX B 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS56Start Date: 04/07/2016 06:40Analysis Batch Number: 322726End Date: 04/07/2016 18:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-322726/1		04/07/2016 06:40	1	GED07001.D	DB-VRX B 0.25 (mm)
CCVIS 440-322726/2		04/07/2016 07:54	1		DB-VRX B 0.25 (mm)
CCVIS 440-322726/3		04/07/2016 08:23	1	GED07003.D	DB-VRX B 0.25 (mm)
MB 440-322726/5		04/07/2016 09:23	1	GED07005.D	DB-VRX B 0.25 (mm)
LCS 440-322726/6		04/07/2016 09:52	1	GED07006.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 11:14	1		DB-VRX B 0.25 (mm)
440-143310-A-3 MS		04/07/2016 11:44	1	GED07009.D	DB-VRX B 0.25 (mm)
440-143310-A-3 MSD		04/07/2016 12:13	1	GED07010.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 12:43	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 13:12	1		DB-VRX B 0.25 (mm)
440-143182-4		04/07/2016 13:42	1	GED07013.D	DB-VRX B 0.25 (mm)
440-143182-5		04/07/2016 14:12	1	GED07014.D	DB-VRX B 0.25 (mm)
440-143182-6		04/07/2016 14:41	1	GED07015.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 15:11	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 15:40	1		DB-VRX B 0.25 (mm)
440-143182-1		04/07/2016 16:10	1	GED07018.D	DB-VRX B 0.25 (mm)
440-143182-2		04/07/2016 16:39	1	GED07019.D	DB-VRX B 0.25 (mm)
440-143182-3		04/07/2016 17:09	1	GED07020.D	DB-VRX B 0.25 (mm)
440-143182-7		04/07/2016 17:38	1	GED07021.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 18:08	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 18:38	1		DB-VRX B 0.25 (mm)

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-5MS A ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
MW-06	440-143182-1	24	56	56
MW-08	440-143182-2	24	60	69
MW-09	440-143182-3	44	76	92
MW-11	440-143182-4	65	70	78
MW-13	440-143182-5	66	68	78
MW-23	440-143182-6	75	86	98
MW-24	440-143182-7	37	17	79
	MB 440-322273/1-A	69	93	85
	MB 440-322773/1-A	70	57	76
	LCS 440-322273/2-A	59	72	92
	LCS 440-322773/2-A	50	58	72
	LCSD 440-322273/3-A	70	83	100
	LCSD 440-322773/3-A	49	59	75

NBZ = Nitrobenzene-d5
 FBP = 2-Fluorobiphenyl (Surr)
 TPH = Terphenyl-d14

QC LIMITS
 46-109
 50-104
 28-124

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040603.D
 Lab ID: LCS 440-322273/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.768	77	54-120	
Acenaphthylene	1.00	0.756	76	55-120	
Anthracene	1.00	0.836	84	56-120	
Benzo[a]anthracene	1.00	0.799	80	63-120	
Benzo[a]pyrene	1.00	0.812	81	54-120	
Benzo[b]fluoranthene	1.00	0.914	91	60-120	
Benzo[g,h,i]perylene	1.00	0.782	78	61-139	
Benzo[k]fluoranthene	1.00	0.962	96	62-120	
Chrysene	1.00	0.875	87	65-120	
Dibenz(a,h)anthracene	1.00	0.714	71	61-120	
Fluoranthene	1.00	0.827	83	61-120	
Fluorene	1.00	0.885	88	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.696	70	61-122	
Naphthalene	1.00	0.734	73	46-120	
Phenanthrene	1.00	0.808	81	60-120	
Pyrene	1.00	0.806	81	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J041302.D
 Lab ID: LCS 440-322773/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.667	67	54-120	
Acenaphthylene	1.00	0.636	64	55-120	
Anthracene	1.00	0.725	72	56-120	
Benzo[a]anthracene	1.00	0.657	66	63-120	
Benzo[a]pyrene	1.00	0.710	71	54-120	
Benzo[b]fluoranthene	1.00	0.713	71	60-120	
Benzo[g,h,i]perylene	1.00	0.868	87	61-139	
Benzo[k]fluoranthene	1.00	0.816	82	62-120	
Chrysene	1.00	0.770	77	65-120	
Dibenz(a,h)anthracene	1.00	0.770	77	61-120	
Fluoranthene	1.00	0.736	74	61-120	
Fluorene	1.00	0.685	69	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.747	75	61-122	
Naphthalene	1.00	0.577	58	46-120	
Phenanthrene	1.00	0.684	68	60-120	
Pyrene	1.00	0.725	72	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040604.D
 Lab ID: LCSD 440-322273/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.781	78	2	35	54-120	
Acenaphthylene	1.00	0.772	77	2	35	55-120	
Anthracene	1.00	0.811	81	3	35	56-120	
Benzo[a]anthracene	1.00	0.845	84	6	35	63-120	
Benzo[a]pyrene	1.00	0.885	88	9	35	54-120	
Benzo[b]fluoranthene	1.00	0.996	100	9	35	60-120	
Benzo[g,h,i]perylene	1.00	0.915	92	16	35	61-139	
Benzo[k]fluoranthene	1.00	1.12	112	15	35	62-120	
Chrysene	1.00	0.941	94	7	35	65-120	
Dibenz(a,h)anthracene	1.00	0.855	86	18	35	61-120	
Fluoranthene	1.00	0.883	88	7	35	61-120	
Fluorene	1.00	0.902	90	2	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.815	82	16	35	61-122	
Naphthalene	1.00	0.718	72	2	35	46-120	
Phenanthrene	1.00	0.847	85	5	35	60-120	
Pyrene	1.00	0.837	84	4	35	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040904.D
 Lab ID: LCSD 440-322773/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.641	64	4	35	54-120	
Acenaphthylene	1.00	0.628	63	1	35	55-120	
Anthracene	1.00	0.690	69	5	35	56-120	
Benzo[a]anthracene	1.00	0.689	69	5	35	63-120	
Benzo[a]pyrene	1.00	0.724	72	2	35	54-120	
Benzo[b]fluoranthene	1.00	0.740	74	4	35	60-120	
Benzo[g,h,i]perylene	1.00	0.911	91	5	35	61-139	
Benzo[k]fluoranthene	1.00	0.790	79	3	35	62-120	
Chrysene	1.00	0.831	83	8	35	65-120	
Dibenz(a,h)anthracene	1.00	0.778	78	1	35	61-120	
Fluoranthene	1.00	0.765	76	4	35	61-120	
Fluorene	1.00	0.680	68	1	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.760	76	2	35	61-122	
Naphthalene	1.00	0.544	54	6	35	46-120	
Phenanthrene	1.00	0.699	70	2	35	60-120	
Pyrene	1.00	0.729	73	1	35	63-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab File ID: J040602.D Lab Sample ID: MB 440-322273/1-A
Matrix: Water Date Extracted: 04/05/2016 10:08
Instrument ID: GCMS65 Date Analyzed: 04/06/2016 11:41
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-322273/2-A	J040603.D	04/06/2016 12:01
	LCSD 440-322273/3-A	J040604.D	04/06/2016 12:22
MW-06	440-143182-1	J040610.D	04/06/2016 14:26
MW-08	440-143182-2	J040611.D	04/06/2016 14:47
MW-09	440-143182-3	J040612.D	04/06/2016 15:07
MW-11	440-143182-4	J040613.D	04/06/2016 15:28
MW-13	440-143182-5	J040614.D	04/06/2016 15:49
MW-23	440-143182-6	J040615.D	04/06/2016 16:09

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab File ID: J040902.D Lab Sample ID: MB 440-322773/1-A
Matrix: Water Date Extracted: 04/07/2016 09:52
Instrument ID: GCMS65 Date Analyzed: 04/10/2016 00:57
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 440-322773/3-A	J040904.D	04/10/2016 01:38
MW-24	440-143182-7	J040909.D	04/10/2016 03:21
	LCS 440-322773/2-A	J041302.D	04/13/2016 17:07

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	33207	5.42	26262	7.14	62152	8.39
UPPER LIMIT	66414	5.92	52524	7.64	124304	8.89
LOWER LIMIT	16604	4.92	13131	6.64	31076	7.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321454/10		19856 5.42	18528 7.13		44297 8.39	
CCVIS 440-322558/1		26589 5.40	23889 7.11		56814 8.36	
CCVIS 440-323269/1		29104 5.39	24603 7.10		58074 8.35	
CCVIS 440-324076/1		23798 5.38	19894 7.10		47525 8.34	

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	111913	10.55	119086	12.91		
UPPER LIMIT	223826	11.05	238172	13.41		
LOWER LIMIT	55957	10.05	59543	12.41		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321454/10	75393	10.52	80427	12.88		
CCVIS 440-322558/1	95563	10.52	78265	12.86		
CCVIS 440-323269/1	101320	10.50	100610	12.82		
CCVIS 440-324076/1	73981	10.48	77875	12.79		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-322558/1 Date Analyzed: 04/06/2016 11:20
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040601.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	26589	5.40	23889	7.11	56814	8.36
UPPER LIMIT	53178	5.90	47778	7.61	113628	8.86
LOWER LIMIT	13295	4.90	11945	6.61	28407	7.86
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 440-322273/1-A		20571	5.41	19647	7.11	51462 8.36
LCS 440-322273/2-A		13508	5.42	13741	7.13	35068 8.38
LCSD 440-322273/3-A		14689	5.49	14360	7.20	36893 8.45
440-143182-1	MW-06	22356	5.48	21334	7.20	49651 8.44
440-143182-2	MW-08	21301	5.40	22734	7.11	53568 8.36
440-143182-3	MW-09	19972	5.40	23405	7.11	45972 8.36
440-143182-4	MW-11	27179	5.40	28137	7.11	67517 8.36
440-143182-5	MW-13	17690	5.42	17328	7.13	45427 8.38
440-143182-6	MW-23	21345	5.48	20750	7.19	49483 8.44

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-322558/1 Date Analyzed: 04/06/2016 11:20
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040601.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		95563	10.52	78265	12.86		
UPPER LIMIT		191126	11.02	156530	13.36		
LOWER LIMIT		47782	10.02	39133	12.36		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322273/1-A		88938	10.50	69072	12.83		
LCS 440-322273/2-A		57580	10.52	43892	12.86		
LCSD 440-322273/3-A		62150	10.59	44884	12.99		
440-143182-1	MW-06	79704	10.59	56712	12.97		
440-143182-2	MW-08	79120	10.49	57721	12.82		
440-143182-3	MW-09	70057	10.49	50162	12.82		
440-143182-4	MW-11	117856	10.49	93352	12.81		
440-143182-5	MW-13	77161	10.51	58051	12.85		
440-143182-6	MW-23	77952	10.58	56938	12.98		

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		NPT		ANT		PHN		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		29104	5.39	24603	7.10	58074	8.35	
UPPER LIMIT		58208	5.89	49206	7.60	116148	8.85	
LOWER LIMIT		14552	4.89	12302	6.60	29037	7.85	
LAB SAMPLE ID		CLIENT SAMPLE ID						
MB 440-322773/1-A		16186	5.41	15408	7.12	39139	8.37	
LCSD 440-322773/3-A		15241	5.39	13715	7.10	32720	8.35	
440-143182-7		MW-24	33131	5.39	61532	7.11	63400	8.36

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	101320	10.50	100610	12.82		
UPPER LIMIT	202640	11.00	201220	13.32		
LOWER LIMIT	50660	10.00	50305	12.32		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 440-322773/1-A		70316	10.50	65657	12.83	
LCSD 440-322773/3-A		56269	10.48	55034	12.79	
440-143182-7	MW-24	73207	10.50	53221	12.83	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		23798	5.38	19894	7.10	47525	8.34
UPPER LIMIT		47596	5.88	39788	7.60	95050	8.84
LOWER LIMIT		11899	4.88	9947	6.60	23763	7.84
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 440-322773/2-A		24050	5.38	20434	7.09	50833	8.34

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	73981	10.48	77875	12.79		
UPPER LIMIT	147962	10.98	155750	13.29		
LOWER LIMIT	36991	9.98	38938	12.29		
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 440-322773/2-A		88135	10.47	82072	12.77	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-06</u>	Lab Sample ID: <u>440-143182-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040610.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 17:43</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>980 (mL)</u>	Date Analyzed: <u>04/06/2016 14:26</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		1.0	
208-96-8	Acenaphthylene	ND		1.0	
120-12-7	Anthracene	ND		1.0	
56-55-3	Benzo[a]anthracene	ND		1.0	
50-32-8	Benzo[a]pyrene	ND		1.0	
205-99-2	Benzo[b]fluoranthene	ND		1.0	
191-24-2	Benzo[g,h,i]perylene	ND		1.0	
207-08-9	Benzo[k]fluoranthene	ND		1.0	
218-01-9	Chrysene	ND		1.0	
53-70-3	Dibenz(a,h)anthracene	ND		1.0	
206-44-0	Fluoranthene	ND		1.0	
86-73-7	Fluorene	3.1		1.0	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		1.0	
91-20-3	Naphthalene	3.1		1.0	
85-01-8	Phenanthrene	1.8		1.0	
129-00-0	Pyrene	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		50-104
4165-60-0	Nitrobenzene-d5	24		46-109
1718-51-0	Terphenyl-d14	56		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-08</u>	Lab Sample ID: <u>440-143182-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040611.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 14:29</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1015(mL)</u>	Date Analyzed: <u>04/06/2016 14:47</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>4</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.79	
208-96-8	Acenaphthylene	ND		0.79	
120-12-7	Anthracene	ND		0.79	
56-55-3	Benzo[a]anthracene	ND		0.79	
50-32-8	Benzo[a]pyrene	ND		0.79	
205-99-2	Benzo[b]fluoranthene	ND		0.79	
191-24-2	Benzo[g,h,i]perylene	ND		0.79	
207-08-9	Benzo[k]fluoranthene	ND		0.79	
218-01-9	Chrysene	ND		0.79	
53-70-3	Dibenz(a,h)anthracene	ND		0.79	
206-44-0	Fluoranthene	ND		0.79	
86-73-7	Fluorene	1.4		0.79	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.79	
91-20-3	Naphthalene	ND		0.79	
85-01-8	Phenanthrene	0.86		0.79	
129-00-0	Pyrene	ND		0.79	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		50-104
4165-60-0	Nitrobenzene-d5	24		46-109
1718-51-0	Terphenyl-d14	69		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-09</u>	Lab Sample ID: <u>440-143182-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040612.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 16:02</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1025(mL)</u>	Date Analyzed: <u>04/06/2016 15:07</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	1.7		0.98	
208-96-8	Acenaphthylene	ND		0.98	
120-12-7	Anthracene	ND		0.98	
56-55-3	Benzo[a]anthracene	ND		0.98	
50-32-8	Benzo[a]pyrene	ND		0.98	
205-99-2	Benzo[b]fluoranthene	ND		0.98	
191-24-2	Benzo[g,h,i]perylene	ND		0.98	
207-08-9	Benzo[k]fluoranthene	ND		0.98	
218-01-9	Chrysene	ND		0.98	
53-70-3	Dibenz(a,h)anthracene	ND		0.98	
206-44-0	Fluoranthene	ND		0.98	
86-73-7	Fluorene	4.0		0.98	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.98	
91-20-3	Naphthalene	6.6		0.98	
85-01-8	Phenanthrene	4.2		0.98	
129-00-0	Pyrene	1.2		0.98	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	76		50-104
4165-60-0	Nitrobenzene-d5	44		46-109
1718-51-0	Terphenyl-d14	92		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-11</u>	Lab Sample ID: <u>440-143182-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040613.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 10:25</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1065(mL)</u>	Date Analyzed: <u>04/06/2016 15:28</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		50-104
4165-60-0	Nitrobenzene-d5	65		46-109
1718-51-0	Terphenyl-d14	78		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13</u>	Lab Sample ID: <u>440-143182-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040614.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 13:15</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1095(mL)</u>	Date Analyzed: <u>04/06/2016 15:49</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.18	
208-96-8	Acenaphthylene	ND		0.18	
120-12-7	Anthracene	ND		0.18	
56-55-3	Benzo[a]anthracene	ND		0.18	
50-32-8	Benzo[a]pyrene	ND		0.18	
205-99-2	Benzo[b]fluoranthene	ND		0.18	
191-24-2	Benzo[g,h,i]perylene	ND		0.18	
207-08-9	Benzo[k]fluoranthene	ND		0.18	
218-01-9	Chrysene	ND		0.18	
53-70-3	Dibenz(a,h)anthracene	ND		0.18	
206-44-0	Fluoranthene	ND		0.18	
86-73-7	Fluorene	ND		0.18	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.18	
91-20-3	Naphthalene	ND		0.18	
85-01-8	Phenanthrene	ND		0.18	
129-00-0	Pyrene	ND		0.18	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		50-104
4165-60-0	Nitrobenzene-d5	66		46-109
1718-51-0	Terphenyl-d14	78		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-23</u>	Lab Sample ID: <u>440-143182-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040615.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/29/2016 11:55</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1070 (mL)</u>	Date Analyzed: <u>04/06/2016 16:09</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.30		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	0.81		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	2.3		0.19	
85-01-8	Phenanthrene	0.50		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	86		50-104
4165-60-0	Nitrobenzene-d5	75		46-109
1718-51-0	Terphenyl-d14	98		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-24</u>	Lab Sample ID: <u>440-143182-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040909.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>04/01/2016 09:30</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1045(mL)</u>	Date Analyzed: <u>04/10/2016 03:21</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>323269</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	2.2		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	0.97		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	3.7		0.19	
85-01-8	Phenanthrene	1.9		0.19	
129-00-0	Pyrene	0.45		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	17		50-104
4165-60-0	Nitrobenzene-d5	37		46-109
1718-51-0	Terphenyl-d14	79		28-124

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	0.9901 1.1816	1.0116 1.1993	0.9792 1.2241	1.0941 1.2337	1.1295	Ave		1.1159				9.1		15.0			
2-Methylnaphthalene	++++ 0.8542	0.7785 0.8878	0.6587 0.9470	0.8163 0.9598	0.7973	Ave		0.8374				11.7		15.0			
1-Methylnaphthalene	0.6357 0.8559	0.6962 0.8190	0.9521 0.9268	0.9346 0.9118	0.8072	Ave		0.8377				13.2		15.0			
Acenaphthylene	1.6019 1.8529	1.6468 1.9013	1.7514 1.9219	1.7914 2.0451	1.8597	Ave		1.8192				7.6		15.0			
Acenaphthene	0.9229 1.0848	0.9823 1.1244	1.0246 1.1603	1.0265 1.2105	1.1006	Ave		1.0708				8.4		15.0			
Fluorene	1.0959 1.5402	1.3206 1.5860	1.3247 1.6724	1.3890 1.7694	1.5457	Ave		1.4715				14.1		15.0			
Phenanthrene	0.9276 1.1228	0.9118 1.0941	0.9470 1.0941	1.0435 1.1219	1.0741	Ave		1.0374				8.2		15.0			
Anthracene	0.8833 1.3021	0.9336 1.2132	0.9475 1.2127	1.2429 1.1824	1.1588	Ave		1.1196				13.8		15.0			
Fluoranthene	1.6020 1.7793	1.4888 1.6786	1.6524 1.6914	1.8047 1.5180	1.7432	Ave		1.6620				6.6		15.0			
Pyrene	1.7051 1.8109	1.6244 1.7359	1.5741 1.7376	1.9081 1.4464	1.7991	Ave		1.7046				8.1		15.0			
Benzo[a]anthracene	1.1525 1.1818	1.1774 1.1845	1.1979 1.2022	1.1601 1.1818	1.1581	Ave		1.1774				1.5		15.0			
Chrysene	0.9440 1.2076	1.1516 1.1619	1.2694 1.1734	1.1177 1.1356	1.1088	Ave		1.1411				7.8		15.0			
Benzo[b]fluoranthene	1.1702 1.2149	1.2864 1.2970	1.1378 1.3215	1.1914 1.3230	1.2475	Ave		1.2433				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321454
SDG No.: _____
Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Benzo[k]fluoranthene	1.1521 1.4528	1.0933 1.4603	1.2899 1.4489	1.3874 1.4676	1.3544	Ave		1.3452				10.4		15.0			
Benzo[a]pyrene	1.2586 1.2780	1.1643 1.2968	1.1823 1.3340	1.2188 1.3241	1.2400	Ave		1.2552				4.7		15.0			
Indeno[1,2,3-cd]pyrene	1.8059 1.6131	1.8120 1.5663	1.7522 1.5865	1.5980 1.5593	1.5387	Ave		1.6480				6.7		15.0			
Dibenz(a,h)anthracene	1.4314 1.4066	1.2434 1.3949	1.3240 1.4103	1.3812 1.4202	1.3414	Ave		1.3726				4.4		15.0			
Benzo[g,h,i]perylene	1.3002 1.1438	1.3586 1.0522	1.4526 1.0045	1.2114 0.9428	1.1070	Ave		1.1748				14.5		15.0			
Nitrobenzene-d5	+++++ 0.4466	+++++ 0.5332	0.4607 0.5724	0.4251 0.5709	0.5161	Ave		0.5036				11.9		15.0			
2-Fluorobiphenyl (Surr)	1.3053 1.5980	1.3959 1.7159	1.2678 1.7272	1.4263 1.7775	1.5828	Ave		1.5330				12.4		15.0			
Terphenyl-d14	1.0722 0.8399	0.9194 0.9118	0.9856 0.8941	0.9669 0.8613	0.8014	Ave		0.9170				9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	NPT	Ave	1542 72696	3198 246926	4986 302414	18561 862881	75012	50.0 2500	100 5000	250 10000	500 20000	1000
2-Methylnaphthalene	NPT	Ave	++++ 52552	2461 182801	3354 233965	13849 671357	52949	++++ 2500	100 5000	250 10000	500 20000	1000
1-Methylnaphthalene	NPT	Ave	990 52660	2201 168641	4848 228972	15856 637745	53612	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthylene	ANT	Ave	2371 104863	4917 322243	8032 427429	28509 1245358	97681	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthene	ANT	Ave	1366 61396	2933 190567	4699 258042	16335 737116	57807	50.0 2500	100 5000	250 10000	500 20000	1000
Fluorene	ANT	Ave	1622 87168	3943 268814	6075 371940	22105 1077517	81185	50.0 2500	100 5000	250 10000	500 20000	1000
Phenanthrene	PHN	Ave	3219 139227	6233 452334	11071 633447	36882 1803362	133516	50.0 2500	100 5000	250 10000	500 20000	1000
Anthracene	PHN	Ave	3065 161463	6382 501564	11076 702065	43931 1900472	144045	50.0 2500	100 5000	250 10000	500 20000	1000
Fluoranthene	PHN	Ave	5559 220646	10178 693952	19317 979229	63788 2439992	216685	50.0 2500	100 5000	250 10000	500 20000	1000
Pyrene	PHN	Ave	5917 224557	11105 717667	18401 1005979	67445 2324832	223635	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[a]anthracene	CRY	Ave	6886 246449	13224 803570	22282 1135590	73134 3269171	259210	50.0 2500	100 5000	250 10000	500 20000	1000
Chrysene	CRY	Ave	5640 251839	12934 788223	23611 1108382	70460 3141360	248185	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[b]fluoranthene	PRY	Ave	7455 280267	15808 911508	23080 1307963	78972 3536496	297120	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[k]fluoranthene	PRY	Ave	7340 335147	13435 1026243	26164 1433970	91964 3923010	322572	50.0 2500	100 5000	250 10000	500 20000	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143182-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]pyrene	PRY	Ave	8018 294818	14307 911371	23981 1320292	80790 3539448	295324	50.0 2500	100 5000	250 10000	500 20000	1000
Indeno[1,2,3-cd]pyrene	PRY	Ave	11505 372136	22267 1100794	35541 1570189	105925 4168160	366468	50.0 2500	100 5000	250 10000	500 20000	1000
Dibenz(a,h)anthracene	PRY	Ave	9119 324498	15279 980311	26856 1395789	91554 3796339	319476	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[g,h,i]perylene	PRY	Ave	8283 263867	16695 739466	29464 994162	80298 2520303	263660	50.0 2500	100 5000	250 10000	500 20000	1000
Nitrobenzene-d5	NPT	Ave	+++++ 27474	+++++ 109781	2346 141407	7212 399276	34276	+++++ 2500	+++++ 5000	250 10000	500 20000	1000
2-Fluorobiphenyl (Surr)	ANT	Ave	1932 90440	4168 290827	5814 384137	22698 1082418	83134	50.0 2500	100 5000	250 10000	500 20000	1000
Terphenyl-d14	CRY	Ave	6406 175158	10327 618567	18333 844554	60955 2382614	179384	50.0 2500	100 5000	250 10000	500 20000	1000

Curve Type Legend:

Ave = Average ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-322558/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/06/2016 11:20

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.70	100.0
Naphthalene	5.42	100.0
2-Fluorobiphenyl (Surr)	6.48	100.0
Acenaphthylene	6.99	100.0
Acenaphthene	7.14	100.0
Fluorene	7.59	100.0
Phenanthrene	8.38	100.0
Anthracene	8.42	100.0
Fluoranthene	9.32	100.0
Pyrene	9.50	100.0
Terphenyl-d14	9.60	100.0
Benzo[a]anthracene	10.51	100.0
Chrysene	10.55	100.0
Benzo[b]fluoranthene	12.06	68.50
Benzo[k]fluoranthene	12.11	100.0
Benzo[a]pyrene	12.73	100.0
Indeno[1,2,3-cd]pyrene	14.57	100.0
Dibenz(a,h)anthracene	14.59	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-323269/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/10/2016 00:36

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.69	100.0
Naphthalene	5.41	100.0
2-Fluorobiphenyl (Surr)	6.46	100.0
Acenaphthylene	6.98	100.0
Acenaphthene	7.13	100.0
Fluorene	7.58	100.0
Phenanthrene	8.37	100.0
Anthracene	8.41	100.0
Fluoranthene	9.30	100.0
Pyrene	9.49	100.0
Terphenyl-d14	9.59	100.0
Benzo[a]anthracene	10.49	100.0
Chrysene	10.53	100.0
Benzo[b]fluoranthene	12.03	64.20
Benzo[k]fluoranthene	12.08	100.0
Benzo[a]pyrene	12.69	100.0
Indeno[1,2,3-cd]pyrene	14.54	100.0
Dibenz(a,h)anthracene	14.55	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID (1): CCVIS 440-324076/1 Instrument ID (1): GCMS65
 GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/13/2016 16:46

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.68	100.0
Naphthalene	5.40	100.0
2-Fluorobiphenyl (Surr)	6.45	100.0
Acenaphthylene	6.97	100.0
Acenaphthene	7.12	100.0
Fluorene	7.58	100.0
Phenanthrene	8.36	100.0
Anthracene	8.41	100.0
Fluoranthene	9.29	100.0
Pyrene	9.46	100.0
Terphenyl-d14	9.56	100.0
Benzo[a]anthracene	10.47	100.0
Chrysene	10.51	100.0
Benzo[b]fluoranthene	12.00	60.60
Benzo[k]fluoranthene	12.05	100.0
Benzo[a]pyrene	12.66	100.0
Indeno[1,2,3-cd]pyrene	14.52	100.0
Dibenz(a,h)anthracene	14.54	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321454/10 Calibration Date: 03/31/2016 14:57
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J033110.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.133		1.02	1.00	1.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.8305		0.992	1.00	-0.8	20.0
1-Methylnaphthalene	Ave	0.8377	0.8337		0.995	1.00	-0.5	20.0
Acenaphthylene	Ave	1.819	1.798		0.988	1.00	-1.2	20.0
Acenaphthene	Ave	1.071	1.095		1.02	1.00	2.3	20.0
Fluorene	Ave	1.472	1.589		1.08	1.00	8.0	20.0
Phenanthrene	Ave	1.037	1.019		0.982	1.00	-1.8	20.0
Anthracene	Ave	1.120	1.209		1.08	1.00	8.0	20.0
Fluoranthene	Ave	1.662	1.693		1.02	1.00	1.8	20.0
Pyrene	Ave	1.705	1.734		1.02	1.00	1.7	20.0
Benzo[a]anthracene	Ave	1.177	1.153		0.979	1.00	-2.1	20.0
Chrysene	Ave	1.141	1.282		1.12	1.00	12.3	20.0
Benzo[b]fluoranthene	Ave	1.243	1.269		1.02	1.00	2.1	20.0
Benzo[k]fluoranthene	Ave	1.345	1.472		1.09	1.00	9.5	20.0
Benzo[a]pyrene	Ave	1.255	1.300		1.04	1.00	3.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.619		0.983	1.00	-1.7	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.463		1.07	1.00	6.6	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.238		1.05	1.00	5.4	20.0
Nitrobenzene-d5	Ave	0.5036	0.4573		0.908	1.00	-9.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.613		1.05	1.00	5.2	20.0
Terphenyl-d14	Ave	0.9170	0.8397		0.916	1.00	-8.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322558/1 Calibration Date: 04/06/2016 11:20
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.100		0.985	1.00	-1.5	20.0
2-Methylnaphthalene	Ave	0.8374	0.8166		0.975	1.00	-2.5	20.0
1-Methylnaphthalene	Ave	0.8377	0.7773		0.928	1.00	-7.2	20.0
Acenaphthylene	Ave	1.819	1.809		0.995	1.00	-0.5	20.0
Acenaphthene	Ave	1.071	1.077		1.01	1.00	0.6	20.0
Fluorene	Ave	1.472	1.579		1.07	1.00	7.3	20.0
Phenanthrene	Ave	1.037	1.069		1.03	1.00	3.0	20.0
Anthracene	Ave	1.120	1.171		1.05	1.00	4.6	20.0
Fluoranthene	Ave	1.662	1.632		0.982	1.00	-1.8	20.0
Pyrene	Ave	1.705	1.699		0.997	1.00	-0.3	20.0
Benzo[a]anthracene	Ave	1.177	1.146		0.973	1.00	-2.7	20.0
Chrysene	Ave	1.141	1.176		1.03	1.00	3.0	20.0
Benzo[b]fluoranthene	Ave	1.243	1.323		1.06	1.00	6.4	20.0
Benzo[k]fluoranthene	Ave	1.345	1.557		1.16	1.00	15.7	20.0
Benzo[a]pyrene	Ave	1.255	1.257		1.00	1.00	0.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.484		0.901	1.00	-9.9	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.277		0.931	1.00	-6.9	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.179		1.00	1.00	0.4	20.0
Nitrobenzene-d5	Ave	0.5036	0.4856		0.964	1.00	-3.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.511		0.986	1.00	-1.4	20.0
Terphenyl-d14	Ave	0.9170	0.9173		1.00	1.00	0.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323269/1 Calibration Date: 04/10/2016 00:36
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040901.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.145		1.03	1.00	2.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.7929		0.947	1.00	-5.3	20.0
1-Methylnaphthalene	Ave	0.8377	0.8315		0.993	1.00	-0.7	20.0
Acenaphthylene	Ave	1.819	1.787		0.982	1.00	-1.8	20.0
Acenaphthene	Ave	1.071	1.079		1.01	1.00	0.7	20.0
Fluorene	Ave	1.472	1.497		1.02	1.00	1.7	20.0
Phenanthrene	Ave	1.037	1.037		0.999	1.00	-0.0	20.0
Anthracene	Ave	1.120	1.166		1.04	1.00	4.2	20.0
Fluoranthene	Ave	1.662	1.677		1.01	1.00	0.9	20.0
Pyrene	Ave	1.705	1.736		1.02	1.00	1.9	20.0
Benzo[a]anthracene	Ave	1.177	1.123		0.954	1.00	-4.6	20.0
Chrysene	Ave	1.141	1.185		1.04	1.00	3.9	20.0
Benzo[b]fluoranthene	Ave	1.243	1.187		0.954	1.00	-4.6	20.0
Benzo[k]fluoranthene	Ave	1.345	1.519		1.13	1.00	13.0	20.0
Benzo[a]pyrene	Ave	1.255	1.253		0.999	1.00	-0.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.658		1.01	1.00	0.6	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.424		1.04	1.00	3.7	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.312		1.12	1.00	11.7	20.0
Nitrobenzene-d5	Ave	0.5036	0.5039		1.00	1.00	0.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.585		1.03	1.00	3.4	20.0
Terphenyl-d14	Ave	0.9170	0.8386		0.915	1.00	-8.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-324076/1 Calibration Date: 04/13/2016 16:46
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J041301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.069		0.958	1.00	-4.2	20.0
2-Methylnaphthalene	Ave	0.8374	0.7667		0.916	1.00	-8.4	20.0
1-Methylnaphthalene	Ave	0.8377	0.7964		0.951	1.00	-4.9	20.0
Acenaphthylene	Ave	1.819	1.843		1.01	1.00	1.3	20.0
Acenaphthene	Ave	1.071	1.061		0.991	1.00	-0.9	20.0
Fluorene	Ave	1.472	1.515		1.03	1.00	2.9	20.0
Phenanthrene	Ave	1.037	1.013		0.977	1.00	-2.3	20.0
Anthracene	Ave	1.120	1.172		1.05	1.00	4.7	20.0
Fluoranthene	Ave	1.662	1.659		0.998	1.00	-0.2	20.0
Pyrene	Ave	1.705	1.709		1.00	1.00	0.3	20.0
Benzo[a]anthracene	Ave	1.177	1.169		0.993	1.00	-0.7	20.0
Chrysene	Ave	1.141	1.173		1.03	1.00	2.8	20.0
Benzo[b]fluoranthene	Ave	1.243	1.215		0.977	1.00	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.345	1.424		1.06	1.00	5.9	20.0
Benzo[a]pyrene	Ave	1.255	1.240		0.988	1.00	-1.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.580		0.958	1.00	-4.2	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.320		0.962	1.00	-3.8	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.216		1.03	1.00	3.5	20.0
Nitrobenzene-d5	Ave	0.5036	0.4460		0.886	1.00	-11.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.530		0.998	1.00	-0.2	20.0
Terphenyl-d14	Ave	0.9170	0.8674		0.946	1.00	-5.4	30.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322273/1-A
 Matrix: Water Lab File ID: J040602.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/05/2016 10:08
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/06/2016 11:41
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 322558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	93		50-104
4165-60-0	Nitrobenzene-d5	69		46-109
1718-51-0	Terphenyl-d14	85		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 440-322773/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040902.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/10/2016 00:57</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>323269</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		50-104
4165-60-0	Nitrobenzene-d5	70		46-109
1718-51-0	Terphenyl-d14	76		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 440-322273/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040603.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/06/2016 12:01</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.768		0.20	
208-96-8	Acenaphthylene	0.756		0.20	
120-12-7	Anthracene	0.836		0.20	
56-55-3	Benzo[a]anthracene	0.799		0.20	
50-32-8	Benzo[a]pyrene	0.812		0.20	
205-99-2	Benzo[b]fluoranthene	0.914		0.20	
191-24-2	Benzo[g,h,i]perylene	0.782		0.20	
207-08-9	Benzo[k]fluoranthene	0.962		0.20	
218-01-9	Chrysene	0.875		0.20	
53-70-3	Dibenz(a,h)anthracene	0.714		0.20	
206-44-0	Fluoranthene	0.827		0.20	
86-73-7	Fluorene	0.885		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.696		0.20	
91-20-3	Naphthalene	0.734		0.20	
85-01-8	Phenanthrene	0.808		0.20	
129-00-0	Pyrene	0.806		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		50-104
4165-60-0	Nitrobenzene-d5	59		46-109
1718-51-0	Terphenyl-d14	92		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 440-322773/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J041302.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/13/2016 17:07</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>324076</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.667		0.20	
208-96-8	Acenaphthylene	0.636		0.20	
120-12-7	Anthracene	0.725		0.20	
56-55-3	Benzo[a]anthracene	0.657		0.20	
50-32-8	Benzo[a]pyrene	0.710		0.20	
205-99-2	Benzo[b]fluoranthene	0.713		0.20	
191-24-2	Benzo[g,h,i]perylene	0.868		0.20	
207-08-9	Benzo[k]fluoranthene	0.816		0.20	
218-01-9	Chrysene	0.770		0.20	
53-70-3	Dibenz(a,h)anthracene	0.770		0.20	
206-44-0	Fluoranthene	0.736		0.20	
86-73-7	Fluorene	0.685		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.747		0.20	
91-20-3	Naphthalene	0.577		0.20	
85-01-8	Phenanthrene	0.684		0.20	
129-00-0	Pyrene	0.725		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		50-104
4165-60-0	Nitrobenzene-d5	50		46-109
1718-51-0	Terphenyl-d14	72		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 440-322273/3-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040604.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/06/2016 12:22</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.781		0.20	
208-96-8	Acenaphthylene	0.772		0.20	
120-12-7	Anthracene	0.811		0.20	
56-55-3	Benzo[a]anthracene	0.845		0.20	
50-32-8	Benzo[a]pyrene	0.885		0.20	
205-99-2	Benzo[b]fluoranthene	0.996		0.20	
191-24-2	Benzo[g,h,i]perylene	0.915		0.20	
207-08-9	Benzo[k]fluoranthene	1.12		0.20	
218-01-9	Chrysene	0.941		0.20	
53-70-3	Dibenz(a,h)anthracene	0.855		0.20	
206-44-0	Fluoranthene	0.883		0.20	
86-73-7	Fluorene	0.902		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.815		0.20	
91-20-3	Naphthalene	0.718		0.20	
85-01-8	Phenanthrene	0.847		0.20	
129-00-0	Pyrene	0.837		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	83		50-104
4165-60-0	Nitrobenzene-d5	70		46-109
1718-51-0	Terphenyl-d14	100		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143182-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 440-322773/3-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040904.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/10/2016 01:38</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>323269</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.641		0.20	
208-96-8	Acenaphthylene	0.628		0.20	
120-12-7	Anthracene	0.690		0.20	
56-55-3	Benzo[a]anthracene	0.689		0.20	
50-32-8	Benzo[a]pyrene	0.724		0.20	
205-99-2	Benzo[b]fluoranthene	0.740		0.20	
191-24-2	Benzo[g,h,i]perylene	0.911		0.20	
207-08-9	Benzo[k]fluoranthene	0.790		0.20	
218-01-9	Chrysene	0.831		0.20	
53-70-3	Dibenz(a,h)anthracene	0.778		0.20	
206-44-0	Fluoranthene	0.765		0.20	
86-73-7	Fluorene	0.680		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.760		0.20	
91-20-3	Naphthalene	0.544		0.20	
85-01-8	Phenanthrene	0.699		0.20	
129-00-0	Pyrene	0.729		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		50-104
4165-60-0	Nitrobenzene-d5	49		46-109
1718-51-0	Terphenyl-d14	75		28-124

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 03/31/2016 11:52Analysis Batch Number: 321454End Date: 03/31/2016 17:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICIS 440-321454/1		03/31/2016 11:52	1	J033101.D	ZB-5MS A 0.18 (mm)
STD50 440-321454/2 IC		03/31/2016 12:12	1	J033102.D	ZB-5MS A 0.18 (mm)
STD100 440-321454/3 IC		03/31/2016 12:33	1	J033103.D	ZB-5MS A 0.18 (mm)
STD250 440-321454/4 IC		03/31/2016 12:53	1	J033104.D	ZB-5MS A 0.18 (mm)
STD500 440-321454/5 IC		03/31/2016 13:14	1	J033105.D	ZB-5MS A 0.18 (mm)
STD2500 440-321454/6 IC		03/31/2016 13:35	1	J033106.D	ZB-5MS A 0.18 (mm)
STD5000 440-321454/7 IC		03/31/2016 13:55	1	J033107.D	ZB-5MS A 0.18 (mm)
STD10000 440-321454/8 IC		03/31/2016 14:16	1	J033108.D	ZB-5MS A 0.18 (mm)
STD20000 440-321454/9 IC		03/31/2016 14:36	1	J033109.D	ZB-5MS A 0.18 (mm)
ICV 440-321454/10		03/31/2016 14:57	1	J033110.D	ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:18	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:59	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:20	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:41	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:01	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:22	2.5		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/06/2016 11:20Analysis Batch Number: 322558End Date: 04/06/2016 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-322558/1		04/06/2016 11:20	1	J040601.D	ZB-5MS A 0.18 (mm)
MB 440-322273/1-A		04/06/2016 11:41	1	J040602.D	ZB-5MS A 0.18 (mm)
LCS 440-322273/2-A		04/06/2016 12:01	1	J040603.D	ZB-5MS A 0.18 (mm)
LCSD 440-322273/3-A		04/06/2016 12:22	1	J040604.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 12:43	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:03	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:24	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:45	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 14:05	1		ZB-5MS A 0.18 (mm)
440-143182-1		04/06/2016 14:26	5	J040610.D	ZB-5MS A 0.18 (mm)
440-143182-2		04/06/2016 14:47	4	J040611.D	ZB-5MS A 0.18 (mm)
440-143182-3		04/06/2016 15:07	5	J040612.D	ZB-5MS A 0.18 (mm)
440-143182-4		04/06/2016 15:28	1	J040613.D	ZB-5MS A 0.18 (mm)
440-143182-5		04/06/2016 15:49	1	J040614.D	ZB-5MS A 0.18 (mm)
440-143182-6		04/06/2016 16:09	1	J040615.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 16:30	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 17:07	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 17:48	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 18:09	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 18:38	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 21:33	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 21:54	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 22:14	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 22:35	5		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/10/2016 00:36Analysis Batch Number: 323269End Date: 04/10/2016 12:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-323269/1		04/10/2016 00:36	1	J040901.D	ZB-5MS A 0.18 (mm)
MB 440-322773/1-A		04/10/2016 00:57	1	J040902.D	ZB-5MS A 0.18 (mm)
LCSD 440-322773/3-A		04/10/2016 01:38	1	J040904.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 01:58	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:19	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 03:00	1		ZB-5MS A 0.18 (mm)
440-143182-7		04/10/2016 03:21	1	J040909.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:22	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:43	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:04	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:24	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:45	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:06	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:26	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:47	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:08	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:28	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:49	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:09	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:30	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:51	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 09:52	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:13	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:33	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:54	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:15	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:35	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:56	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:16	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:37	10		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Instrument ID: GCMS65 Start Date: 04/13/2016 16:46Analysis Batch Number: 324076 End Date: 04/13/2016 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-324076/1		04/13/2016 16:46	1	J041301.D	ZB-5MS A 0.18 (mm)
LCS 440-322773/2-A		04/13/2016 17:07	1	J041302.D	ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 322273 Batch Start Date: 04/05/16 10:08 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322273/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322273/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCSD 440-322273/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143182-E-1	MW-06	3520C, 8270C SIM	T	1520 g	540 g	980 mL	1 mL	7	>7
440-143182-E-2	MW-08	3520C, 8270C SIM	T	1560 g	545 g	1015 mL	1 mL	7	>7
440-143182-E-3	MW-09	3520C, 8270C SIM	T	1575 g	550 g	1025 mL	1 mL	7	>7
440-143182-E-4	MW-11	3520C, 8270C SIM	T	1555 g	490 g	1065 mL	1 mL	7	>7
440-143182-E-5	MW-13	3520C, 8270C SIM	T	1575 g	480 g	1095 mL	1 mL	7	>7
440-143182-E-6	MW-23	3520C, 8270C SIM	T	1570 g	500 g	1070 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322273/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322273/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCSD 440-322273/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143182-E-1	MW-06	3520C, 8270C SIM	T		0.5 mL				
440-143182-E-2	MW-08	3520C, 8270C SIM	T		0.5 mL				
440-143182-E-3	MW-09	3520C, 8270C SIM	T		0.5 mL				
440-143182-E-4	MW-11	3520C, 8270C SIM	T		0.5 mL				
440-143182-E-5	MW-13	3520C, 8270C SIM	T		0.5 mL				
440-143182-E-6	MW-23	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270C SIM

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 322273 Batch Start Date: 04/05/16 10:08 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Balance ID	68
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Sartorius 14155
Extraction 1 End Time	4/6 6:28
Extraction 1 Start Time	4/5 11:59
N-evap ID	RAPIDVAPS 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MeCl2
Person's name who did the prep	GY
Vial ID	15350167

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322773/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143182-E-7	MW-24	3520C, 8270C SIM	T	1550 g	505 g	1045 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322773/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322773/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCS 440-322773/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143182-E-7	MW-24	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Balance ID	68
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Sartorius 14155
Extraction 1 End Time	4/8 5:50
Extraction 1 Start Time	4/7 10:53
N-evap ID	RAPIDVAPS 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MeCl2
Person's name who did the prep	GY
Vial ID	15350516

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

Project: EQPL Basin Jal Pump Station

Client Sample ID	Lab Sample ID
MW-06	440-143182-1
MW-08	440-143182-2
MW-09	440-143182-3
MW-11	440-143182-4
MW-13	440-143182-5
MW-23	440-143182-6
MW-24	440-143182-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-06

Lab Sample ID: 440-143182-1

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG ID.:

Matrix: Water

Date Sampled: 03/29/2016 17:43

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.024	0.010		mg/L			1	6010B
7440-39-3	Barium	0.23	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	0.0057	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	0.015	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.045	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-08

Lab Sample ID: 440-143182-2

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG ID.:

Matrix: Water

Date Sampled: 03/29/2016 14:29

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.012	0.010		mg/L			1	6010B
7440-39-3	Barium	0.12	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	ND	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-09

Lab Sample ID: 440-143182-3

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG ID.:

Matrix: Water

Date Sampled: 03/29/2016 16:02

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.026	0.010		mg/L			1	6010B
7440-39-3	Barium	0.27	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	ND	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

Client Sample ID: MW-11	Lab Sample ID: 440-143182-4
Lab Name: TestAmerica Irvine	Job No.: 440-143182-1
SDG ID.:	
Matrix: Water	Date Sampled: 03/29/2016 10:25
Reporting Basis: WET	Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.017	0.010		mg/L			1	6010B
7440-39-3	Barium	0.027	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	0.010	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.056	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

Client Sample ID: MW-13	Lab Sample ID: 440-143182-5
Lab Name: TestAmerica Irvine	Job No.: 440-143182-1
SDG ID.:	
Matrix: Water	Date Sampled: 03/29/2016 13:15
Reporting Basis: WET	Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.018	0.010		mg/L			1	6010B
7440-39-3	Barium	0.14	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.053	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-23

Lab Sample ID: 440-143182-6

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG ID.:

Matrix: Water

Date Sampled: 03/29/2016 11:55

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.013	0.010		mg/L			1	6010B
7440-39-3	Barium	0.20	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.024	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-24

Lab Sample ID: 440-143182-7

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2016 09:30

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.015	0.010		mg/L			1	6010B
7440-39-3	Barium	0.82	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	0.0060	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.14	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

ICV Source: ME ICP ICV2_01222 Concentration Units: mg/L

CCV Source: ME ICP STD3_01238

Analyte	ICV 440-324248/5 04/14/2016 09:52				CCV 440-324248/12 04/14/2016 10:30				CCV 440-324248/24 04/14/2016 11:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	2.11		2.00	106	1.05		1.00	105	0.949		1.00	95
Arsenic	1.93		2.00	97	1.01		1.00	101	0.996		1.00	100
Barium	1.99		2.00	100	1.02		1.00	102	0.970		1.00	97
Beryllium	2.00		2.00	100	1.02		1.00	102	0.975		1.00	97
Cadmium	1.97		2.00	99	1.01		1.00	101	0.988		1.00	99
Chromium	1.91		2.00	95	0.995		1.00	100	1.00		1.00	100
Cobalt	2.01		2.00	100	1.03		1.00	103	0.973		1.00	97
Copper	2.01		2.00	100	1.04		1.00	104	0.964		1.00	96
Lead	1.91		2.00	95	0.990		1.00	99	0.987		1.00	99
Molybdenum	1.99		2.00	100	1.02		1.00	102	0.973		1.00	97
Nickel	2.08		2.00	104	1.03		1.00	103	0.969		1.00	97
Selenium	1.91		2.00	96	1.00		1.00	100	0.973		1.00	97
Silver	0.981		1.00	98	0.508		0.500	102	0.478		0.500	96
Thallium	1.91		2.00	96	0.997		1.00	100	0.983		1.00	98
Vanadium	1.96		2.00	98	1.03		1.00	103	0.970		1.00	97
Zinc	1.93		2.00	97	1.02		1.00	102	0.959		1.00	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

ICV Source: ME ICP ICV2_01222 Concentration Units: mg/L

CCV Source: ME ICP STD3_01238

Analyte	CCV 440-324248/35 04/14/2016 11:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	0.909		1.00	91								
Arsenic	0.970		1.00	97								
Barium	0.962		1.00	96								
Beryllium	0.939		1.00	94								
Cadmium	0.982		1.00	98								
Chromium	1.02		1.00	102								
Cobalt	0.955		1.00	95								
Copper	0.938		1.00	94								
Lead	0.971		1.00	97								
Molybdenum	0.952		1.00	95								
Nickel	0.956		1.00	96								
Selenium	0.943		1.00	94								
Silver	0.477		0.500	95								
Thallium	0.958		1.00	96								
Vanadium	0.955		1.00	95								
Zinc	0.943		1.00	94								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	ICV 440-324089/1-A 04/14/2016 04:01				CCV 440-324089/3-A 04/14/2016 04:36				CCV 440-324089/3-A 04/14/2016 05:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	7.94		8.00	99	3.87		4.00	97	3.85		4.00	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	CCV 440-324089/3-A 04/14/2016 05:35											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.97		4.00	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICP7
 Lab Sample ID: CRI 440-324248/11 Concentration Units: mg/L
 CRQL Check Standard Source: ME ICP CRI3_02321

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0200	0.0203		101	50-150
Arsenic	0.0200	0.0234		117	50-150
Barium	0.0200	0.0194		97	50-150
Beryllium	0.00400	0.00429		107	50-150
Cadmium	0.0100	0.00926		93	50-150
Chromium	0.0100	0.0101		101	50-150
Cobalt	0.0200	0.0198		99	50-150
Copper	0.0200	0.0167		83	50-150
Lead	0.0100	0.0107		107	50-150
Molybdenum	0.0400	0.0366		92	50-150
Nickel	0.0200	0.0201		100	50-150
Selenium	0.0200	0.0156		78	50-150
Silver	0.0200	0.0191		96	50-150
Thallium	0.0200	0.0172		86	50-150
Vanadium	0.0200	0.0186		93	50-150
Zinc	0.0400	0.0395		99	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Method: 7470A Instrument ID: CV-HG3
 Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.253		127	50-150

Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.247		124	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 440-324248/6 04/14/2016 09:54		CCB 440-324248/13 04/14/2016 10:32		CCB 440-324248/25 04/14/2016 11:09		CCB 440-324248/36 04/14/2016 11:37	
		Found	C	Found	C	Found	C	Found	C
Antimony	0.010	ND		ND		ND		0.0121	
Arsenic	0.010	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0050	ND		ND		ND		ND	
Chromium	0.0050	ND		ND		ND		ND	
Cobalt	0.010	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Lead	0.0050	ND		ND		ND		ND	
Molybdenum	0.020	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Selenium	0.010	ND		ND		ND		ND	
Silver	0.010	ND		ND		ND		ND	
Thallium	0.010	ND		ND		ND		ND	
Vanadium	0.010	ND		ND		ND		ND	
Zinc	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 440-324089/2-A 04/14/2016 04:04		CCB 440-324089/4-A 04/14/2016 04:39		CCB 440-324089/4-A 04/14/2016 05:08		CCB 440-324089/4-A 04/14/2016 05:38	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323718/1-B
Instrument Code: ICP7 Batch No.: 324248

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-92-1	Lead	ND			6010B
7439-98-7	Molybdenum	ND			6010B
7440-02-0	Nickel	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323718/1-E
Instrument Code: CV-HG3 Batch No.: 324216

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: ICSA 440-324248/7 Instrument ID: ICP7
 Lab File ID: 160414-2B.prn ICS Source: ME ICP IFA_01259
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.0076	
Arsenic		0.0125	
Barium		0.0092	
Beryllium		0.0000	
Cadmium		0.0003	
Chromium		-0.0008	
Cobalt		0.0178	
Copper		0.0016	
Lead		0.0034	
Molybdenum		-0.0016	
Nickel		0.0056	
Selenium		0.0115	
Silver		0.0029	
Thallium		0.0054	
Vanadium		-0.0067	
Zinc		0.0336	
<i>Aluminum</i>	<i>600</i>	<i>628</i>	<i>105</i>
<i>Boron</i>		<i>-0.0798</i>	
<i>Calcium</i>	<i>600</i>	<i>570</i>	<i>95</i>
<i>Iron</i>	<i>600</i>	<i>550</i>	<i>92</i>
<i>Magnesium</i>	<i>600</i>	<i>556</i>	<i>93</i>
<i>Manganese</i>		<i>-0.0039</i>	
<i>Potassium</i>		<i>-0.0904</i>	
<i>Silicon</i>		<i>0.0019</i>	
<i>Sodium</i>		<i>0.0334</i>	
<i>Strontium</i>		<i>0.0027</i>	
<i>Tin</i>		<i>-0.0283</i>	
<i>Titanium</i>		<i>-0.0062</i>	
<i>Tungsten</i>		<i>-0.0199</i>	
<i>Zirconium</i>		<i>0.0021</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Lab Sample ID: ICSAB 440-324248/8 Instrument ID: ICP7
 Lab File ID: 160414-2B.prn ICS Source: ME ICP IFB_01279
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	0.500	0.506	101
Arsenic	0.500	0.492	98
Barium	0.500	0.495	99
Beryllium	0.500	0.465	93
Cadmium	0.500	0.449	90
Chromium	0.500	0.463	93
Cobalt	0.500	0.476	95
Copper	0.500	0.570	114
Lead	0.500	0.441	88
Molybdenum	0.500	0.461	92
Nickel	0.500	0.462	92
Selenium	0.500	0.449	90
Silver	0.250	0.271	108
Thallium	0.500	0.413	83
Vanadium	0.500	0.475	95
Zinc	0.500	0.536	107
<i>Aluminum</i>	<i>601</i>	<i>665</i>	<i>111</i>
<i>Boron</i>	<i>0.500</i>	<i>0.406</i>	<i>81</i>
<i>Calcium</i>	<i>601</i>	<i>603</i>	<i>100</i>
<i>Iron</i>	<i>601</i>	<i>592</i>	<i>99</i>
<i>Lithium</i>	<i>0.500</i>	<i>0.548</i>	<i>110</i>
<i>Magnesium</i>	<i>601</i>	<i>580</i>	<i>97</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.448</i>	<i>90</i>
<i>Potassium</i>	<i>10.0</i>	<i>11.4</i>	<i>114</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.48</i>	<i>99</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.530</i>	<i>106</i>
<i>Tin</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Titanium</i>	<i>0.500</i>	<i>0.485</i>	<i>97</i>
<i>Tungsten</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Zirconium</i>	<i>0.500</i>	<i>0.493</i>	<i>99</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____

Lab ID: 440-143458-F-5-E MS

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	1.10	ND	1.00	110	75-125		6010B
Arsenic	1.14	0.11	1.00	103	75-125		6010B
Barium	1.04	0.034	1.00	100	75-125		6010B
Beryllium	0.964	ND	1.00	96	75-125		6010B
Cadmium	0.924	ND	1.00	92	75-125		6010B
Chromium	16.2	15	1.00	84	75-125	M4	6010B
Cobalt	0.959	ND	1.00	96	75-125		6010B
Copper	1.10	ND	1.00	110	75-125		6010B
Lead	0.897	ND	1.00	90	75-125		6010B
Molybdenum	1.03	0.037	1.00	100	75-125		6010B
Nickel	0.942	ND	1.00	94	75-125		6010B
Selenium	0.938	0.013	1.00	93	75-125		6010B
Silver	0.565	ND	0.500	113	75-125		6010B
Thallium	0.825	ND	1.00	82	75-125		6010B
Vanadium	1.04	0.052	1.00	99	75-125		6010B
Zinc	0.987	ND	1.00	99	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 440-143458-F-5-M MS
Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.00732	ND	0.00800	92	70-130		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 440-143458-F-5-F MSD
 Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Matrix: Water Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	0.978	1.00	98	75-125	11	20		6010B
Arsenic	1.10	1.00	99	75-125	3	20		6010B
Barium	0.997	1.00	96	75-125	4	20		6010B
Beryllium	0.918	1.00	92	75-125	5	20		6010B
Cadmium	0.889	1.00	89	75-125	4	20		6010B
Chromium	16.8	1.00	137	75-125	3	20	M4	6010B
Cobalt	0.923	1.00	92	75-125	4	20		6010B
Copper	1.03	1.00	103	75-125	6	20		6010B
Lead	0.877	1.00	88	75-125	2	20		6010B
Molybdenum	0.962	1.00	92	75-125	7	20		6010B
Nickel	0.901	1.00	90	75-125	4	20		6010B
Selenium	0.901	1.00	89	75-125	4	20		6010B
Silver	0.539	0.500	108	75-125	5	20		6010B
Thallium	0.801	1.00	79	75-125	3	20		6010B
Vanadium	0.984	1.00	93	75-125	5	20		6010B
Zinc	0.937	1.00	94	75-125	5	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 440-143458-F-5-N MSD
Lab Name: TestAmerica Irvine Job No.: 440-143182-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.00740	0.00800	93	70-130	1	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323718/2-B

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1B_00036

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	1.00	1.02		102	80	120		6010B
Arsenic	1.00	0.943		94	80	120		6010B
Barium	1.00	0.990		99	80	120		6010B
Beryllium	1.00	0.974		97	80	120		6010B
Cadmium	1.00	0.970		97	80	120		6010B
Chromium	1.00	0.979		98	80	120		6010B
Cobalt	1.00	0.995		100	80	120		6010B
Copper	1.00	1.00		100	80	120		6010B
Lead	1.00	0.963		96	80	120		6010B
Molybdenum	1.00	0.991		99	80	120		6010B
Nickel	1.00	0.975		98	80	120		6010B
Selenium	1.00	0.902		90	80	120		6010B
Silver	0.500	0.500		100	80	120		6010B
Thallium	1.00	0.967		97	80	120		6010B
Vanadium	1.00	0.977		98	80	120		6010B
Zinc	1.00	0.944		94	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323718/2-E

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

Sample Matrix: Water

LCS Source: ME 1PPM HG1_00252

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00800	0.00798		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143182-1
 SDG Number: _____
 Matrix: Water Instrument ID: ICP7
 Method: 6010B MDL Date: 07/30/2014 00:00
 Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Antimony	206.833	0.01	0.006
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143182-1
SDG Number: _____
Matrix: Water Instrument ID: ICP7
Method: 6010B XMDL Date: 11/20/2014 17:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Antimony	206.833	0.01	0.006
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143182-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A MDL Date: 07/06/2011 10:19
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.0001

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143182-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A XMDL Date: 11/09/2010 14:01

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.1

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr											
Aluminum	308.215	0	0											
Antimony	206.836	0	0											
Arsenic	188.979	0	0											
Barium	233.527	0	0											
Beryllium	313.107	0	0.106816											
Boron	249.677	0	0											
Cadmium	214.440	0	0											
Calcium	315.887	0	0											
Chromium	205.560	0	0											
Cobalt	228.616	0	0											
Copper	324.752	0	0											
Iron	238.204	0	0											
Lead	220.353	0	-0.337594											
Lithium	610.362	0	0											
Magnesium	279.077	0	0											
Manganese	257.610	0	0											
Molybdenum	202.031	0	0											
Nickel	231.604	0	0											
Phosphorus	214.914	0	1.441484											
Potassium	766.490	0	0											
Selenium	196.026	0	0											
Silicon	251.611	0	2.799465											
Silver	328.068	0	6.393244											
Sodium	589.592	0	0											
Strontium	421.552	0	0											
Thallium	190.801	0	0											
Tin	189.927	0	0											
Titanium	334.903	0	0											
Tungsten	2070912	12.519331	1.078359											
Vanadium	292.402	0	0											

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215	0	0												
Antimony	206.836	0	0												
Arsenic	188.979	0	0												
Barium	233.527	0	0												
Beryllium	313.107	0	0.106816												
Boron	249.677	0	0												
Cadmium	214.440	0	0												
Calcium	315.887	0	0												
Chromium	205.560	0	0												
Cobalt	228.616	0	0												
Copper	324.752	0	0												
Iron	238.204	0	0												
Lead	220.353	0	-0.337594												
Lithium	610.362	0	0												
Magnesium	279.077	0	0												
Manganese	257.610	0	0												
Molybdenum	202.031	0	0												
Nickel	231.604	0	0												
Phosphorus	214.914	0	1.441484												
Potassium	766.490	0	0												
Selenium	196.026	0	0												
Silicon	251.611	0	2.799465												
Silver	328.068	0	6.393244												
Sodium	589.592	0	0												
Strontium	421.552	0	0												
Thallium	190.801	0	0												
Tin	189.927	0	0												
Titanium	334.903	0	0												
Tungsten	2070912	12.519331	1.078359												
Vanadium	292.402	0	0												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143182-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143182-1

SDG No.: _____

Instrument ID: ICP7

Date: 01/01/2011 08:48

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Antimony		30	6010B
Arsenic		30	6010B
Barium		30	6010B
Beryllium		30	6010B
Cadmium		30	6010B
Chromium		30	6010B
Cobalt		30	6010B
Copper		30	6010B
Lead		30	6010B
Molybdenum		30	6010B
Nickel		30	6010B
Selenium		30	6010B
Silver		10	6010B
Thallium		30	6010B
Vanadium		30	6010B
Zinc		30	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143182-1

SDG No.: _____

Instrument ID: CV-HG3

Date: 01/01/2014 16:58

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		15	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323718/1-B	04/13/2016 08:57	323936		25	25
LCS 440-323718/2-B	04/13/2016 08:57	323936		25	25
440-143458-F-5-E MS	04/13/2016 08:57	323936		25	25
440-143458-F-5-F MSD	04/13/2016 08:57	323936		25	25
440-143182-1	04/13/2016 08:57	323936		25	25
440-143182-2	04/13/2016 08:57	323936		25	25
440-143182-3	04/13/2016 08:57	323936		25	25
440-143182-4	04/13/2016 08:57	323936		25	25
440-143182-5	04/13/2016 08:57	323936		25	25
440-143182-6	04/13/2016 08:57	323936		25	25
440-143182-7	04/13/2016 08:57	323936		25	25

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323718/1-E	04/13/2016 17:57	324105		20	20
LCS 440-323718/2-E	04/13/2016 17:57	324105		20	20
440-143458-F-5-M MS	04/13/2016 17:57	324105		20	20
440-143458-F-5-N MSD	04/13/2016 17:57	324105		20	20
440-143182-7	04/13/2016 17:57	324105		20	20
440-143182-6	04/13/2016 17:57	324105		20	20
440-143182-5	04/13/2016 17:57	324105		20	20
440-143182-4	04/13/2016 17:57	324105		20	20
440-143182-3	04/13/2016 17:57	324105		20	20
440-143182-2	04/13/2016 17:57	324105		20	20
440-143182-1	04/13/2016 17:57	324105		20	20

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Instrument ID: ICP7

Analysis Method: 6010B

Start Date: 04/14/2016 09:39

End Date: 04/14/2016 11:37

Lab Sample Id	D/F	Type	Time	Analytes																							
				A	A	B	B	C	C	C	C	M	N	P	S	S	T	V	Z								
STD0 440-324248/1 IC			09:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
STD1 440-324248/2 IC			09:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
STD2 440-324248/3 IC			09:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
STD3 440-324248/4 IC			09:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICV 440-324248/5	1		09:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICB 440-324248/6	1		09:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSA 440-324248/7	1		09:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ICSAB 440-324248/8	1		10:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			10:08																								
ZZZZZZ			10:10																								
CRI 440-324248/11	1		10:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCV 440-324248/12	1		10:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 440-324248/13	1		10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
MB 440-323718/1-B	1	D	10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
LCS 440-323718/2-B	1	D	10:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			10:46																								
440-143458-F-5-E MS	1	D	10:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143458-F-5-F MSD	1	D	10:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			10:54																								
ZZZZZZ			10:56																								
ZZZZZZ			10:59																								
ZZZZZZ			11:02																								
ZZZZZZ			11:04																								
CCV 440-324248/24	1		11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 440-324248/25	1		11:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			11:13																								
440-143182-1	1	D	11:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-2	1	D	11:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-3	1	D	11:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-4	1	D	11:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-5	1	D	11:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-6	1	D	11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
440-143182-7	1	D	11:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ZZZZZZ			11:33																								
CCV 440-324248/35	1		11:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CCB 440-324248/36	1		11:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

Prep Types: _____

D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143182-1

SDG No.: _____

Instrument ID: CV-HG3

Analysis Method: 7470A

Start Date: 04/14/2016 03:45

End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
IC 440-324089/6-A	1		03:45	X																									
IC 440-324089/7-A	1		03:47	X																									
IC 440-324089/8-A	1		03:50	X																									
IC 440-324089/9-A	1		03:53	X																									
IC 440-324089/10-A	1		03:55	X																									
IC 440-324089/11-A	1		03:58	X																									
ICV 440-324089/1-A	1		04:01	X																									
ICB 440-324089/2-A	1		04:04	X																									
CRA 440-324089/5-A	1		04:06	X																									
ZZZZZZ			04:09																										
ZZZZZZ			04:12																										
ZZZZZZ			04:15																										
ZZZZZZ			04:17																										
ZZZZZZ			04:20																										
ZZZZZZ			04:23																										
ZZZZZZ			04:25																										
ZZZZZZ			04:28																										
ZZZZZZ			04:31																										
ZZZZZZ			04:33																										
CCV 440-324089/3-A	1		04:36	X																									
CCB 440-324089/4-A	1		04:39	X																									
ZZZZZZ			04:41																										
ZZZZZZ			04:44																										
ZZZZZZ			04:47																										
ZZZZZZ			04:49																										
MB 440-323718/1-E	1	D	04:52	X																									
LCS 440-323718/2-E	1	D	04:55	X																									
ZZZZZZ			04:57																										
440-143458-F-5-M MS	1	D	05:00	X																									
440-143458-F-5-N MSD	1	D	05:03	X																									
CCV 440-324089/3-A	1		05:06	X																									
CCB 440-324089/4-A	1		05:08	X																									
ZZZZZZ			05:11																										
ZZZZZZ			05:13																										
440-143182-7	1	D	05:16	X																									
440-143182-6	1	D	05:19	X																									
440-143182-5	1	D	05:22	X																									
440-143182-4	1	D	05:24	X																									
440-143182-3	1	D	05:27	X																									
440-143182-2	1	D	05:30	X																									
440-143182-1	1	D	05:32	X																									
CCV 440-324089/3-A	1		05:35	X																									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Instrument ID: CV-HG3 Analysis Method: 7470A
 Start Date: 04/14/2016 03:45 End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A	1		05:38	X																									
ZZZZZZ			05:40																										
ZZZZZZ			05:43																										
ZZZZZZ			05:46																										
ZZZZZZ			05:48																										
ZZZZZZ			05:51																										
ZZZZZZ			05:54																										
ZZZZZZ			05:56																										
ZZZZZZ			05:59																										
ZZZZZZ			06:02																										
CCV 440-324089/3-A			06:05																										
CCB 440-324089/4-A			06:07																										
ZZZZZZ			06:10																										
ZZZZZZ			06:13																										
ZZZZZZ			06:15																										
ZZZZZZ			06:18																										
ZZZZZZ			06:21																										
ZZZZZZ			06:23																										
ZZZZZZ			06:26																										
ZZZZZZ			06:29																										
ZZZZZZ			06:31																										
CCV 440-324089/3-A			06:34																										
CCB 440-324089/4-A			06:37																										
ZZZZZZ			06:39																										
ZZZZZZ			06:42																										
ZZZZZZ			06:45																										
ZZZZZZ			06:47																										
ZZZZZZ			06:50																										
ZZZZZZ			06:53																										
ZZZZZZ			06:56																										
ZZZZZZ			06:58																										
ZZZZZZ			07:01																										
CCV 440-324089/3-A			07:04																										
CCB 440-324089/4-A			07:06																										
ZZZZZZ			07:09																										
ZZZZZZ			07:12																										
ZZZZZZ			07:14																										
ZZZZZZ			07:17																										
ZZZZZZ			07:20																										
ZZZZZZ			07:22																										
ZZZZZZ			07:25																										
CCV 440-324089/3-A			07:28																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143182-1
 SDG No.: _____
 Instrument ID: CV-HG3 Analysis Method: 7470A
 Start Date: 04/14/2016 03:45 End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A			07:31																										
CRA 440-324089/5-A	1		07:33	X																									
ZZZZZZ			07:36																										
ZZZZZZ			07:39																										
ZZZZZZ			07:41																										
ZZZZZZ			07:44																										
CCV 440-324089/3-A			08:52																										
CCB 440-324089/4-A			08:55																										
ZZZZZZ			08:57																										
ZZZZZZ			09:00																										
ZZZZZZ			09:03																										
ZZZZZZ			09:06																										
ZZZZZZ			09:08																										
CCV 440-324089/3-A			09:11																										
CCB 440-324089/4-A			09:14																										
CRA 440-324089/5-A			09:16																										

Prep Types: _____
 D = Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 323718 Batch Start Date: 04/12/16 13:04 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 17:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323718/1		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
LCS 440-323718/2		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
440-143458-F-5 MS		FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143458-F-5 MSD		FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-1	MW-06	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-2	MW-08	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-3	MW-09	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-4	MW-11	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-5	MW-13	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-6	MW-23	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143182-D-7	MW-24	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 323936 Batch Start Date: 04/13/16 08:57 Batch Analyst: Nguyen, Quynh 1Batch Method: 3005A Batch End Date: 04/13/16 14:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00317	ME HNO3 00327	ME ICP2 ICP1A 00038
MB 440-323718/1-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-323718/2-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	250 uL
440-143458-F-5-B MS		3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	250 uL
440-143458-F-5-C MSD		3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	250 uL
440-143182-D-1-A	MW-06	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-2-A	MW-08	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-3-A	MW-09	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-4-A	MW-11	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-5-A	MW-13	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-6-A	MW-23	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143182-D-7-A	MW-24	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICP1B 00036					
MB 440-323718/1-A		3005A, 6010B							
LCS 440-323718/2-A		3005A, 6010B		250 uL					
440-143458-F-5-B MS		3005A, 6010B	D	250 uL					
440-143458-F-5-C MSD		3005A, 6010B	D	250 uL					
440-143182-D-1-A	MW-06	3005A, 6010B	D						
440-143182-D-2-A	MW-08	3005A, 6010B	D						
440-143182-D-3-A	MW-09	3005A, 6010B	D						
440-143182-D-4-A	MW-11	3005A, 6010B	D						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 323936 Batch Start Date: 04/13/16 08:57 Batch Analyst: Nguyen, Quynh 1Batch Method: 3005A Batch End Date: 04/13/16 14:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICV1B 00036					
440-143182-D-5-A	MW-13	3005A, 6010B	D						
440-143182-D-6-A	MW-23	3005A, 6010B	D						
440-143182-D-7-A	MW-24	3005A, 6010B	D						

Batch Notes	
First End time	14:30
Lot # of hydrochloric acid	4115100
Lot # of Nitric Acid	0000129810
Hot Block ID	6
Oven, Bath or Block Temperature 1	91
Oven, Bath or Block Temperature 2	94
Pipette ID	100
First Start time	9:58
Thermometer ID	P121 CF 0.0 LOC C4
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	91 Celsius
Uncorrected Temperature 2	94 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 323718 Batch Start Date: 04/12/16 13:04 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 17:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323718/1		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
LCS 440-323718/2		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
440-143458-F-5 MS		FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143458-F-5 MSD		FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-1	MW-06	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-2	MW-08	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-3	MW-09	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-4	MW-11	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-5	MW-13	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-6	MW-23	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143182-D-7	MW-24	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai Thanh

Batch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME 1PPM HG2 00245	ME H2SO4 00066	ME HNO3 00318
ICV 440-324089/1		245.1, 7470A		20 mL	20 mL		160 uL	1 mL	0.5 mL
ICB 440-324089/2		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CCV 440-324089/3		245.1, 7470A		20 mL	20 mL	80 uL		1 mL	0.5 mL
CCB 440-324089/4		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CRA 440-324089/5		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/6		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
IC 440-324089/7		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/8		245.1, 7470A		20 mL	20 mL	20 uL		1 mL	0.5 mL
IC 440-324089/9		245.1, 7470A		20 mL	20 mL	100 uL		1 mL	0.5 mL
IC 440-324089/10		245.1, 7470A		20 mL	20 mL	200 uL		1 mL	0.5 mL
IC 440-324089/11		245.1, 7470A		20 mL	20 mL	300 uL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
ICV 440-324089/1		245.1, 7470A		2 mL	1.6 mL	3 mL			
ICB 440-324089/2		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCV 440-324089/3		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCB 440-324089/4		245.1, 7470A		2 mL	1.6 mL	3 mL			
CRA 440-324089/5		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/6		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/7		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/8		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/9		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/10		245.1, 7470A		2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai ThanhBatch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
IC 440-324089/11		245.1, 7470A		2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hood ID	3
Hot Block ID	8
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-122 cf 0.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 324105 Batch Start Date: 04/13/16 17:57 Batch Analyst: Bui, Dai Thanh

Batch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME H2SO4 00066	ME HNO3 00318
MB 440-323718/1-A		7470A, 7470A			20 mL	20 mL		1 mL	0.5 mL
LCS 440-323718/2-A		7470A, 7470A			20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143458-F-5-B MS		7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143458-F-5-C MSD		7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143182-D-7-A	MW-24	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-6-A	MW-23	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-5-A	MW-13	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-4-A	MW-11	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-3-A	MW-09	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-2-A	MW-08	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143182-D-1-A	MW-06	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
MB 440-323718/1-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
LCS 440-323718/2-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
440-143458-F-5-B MS		7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143458-F-5-C MSD		7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-7-A	MW-24	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-6-A	MW-23	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-5-A	MW-13	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-4-A	MW-11	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143182-1

SDG No.: _____

Batch Number: 324105 Batch Start Date: 04/13/16 17:57 Batch Analyst: Bui, Dai ThanhBatch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
440-143182-D-3-A	MW-09	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-2-A	MW-08	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143182-D-1-A	MW-06	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hot Block ID	3
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	94 Celsius
Oven, Bath or Block Temperature 2	94 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-095 of -1.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 2 of 2

Shipping and Receiving Documents

LAB (LOCATION)

☒ ACCOUNTS ()
☐ CALSCIENCE ()
☐ TESTAMERICA ()
☐ Other ()

Lab Vendor # See Dropdown



Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:

☐ ENV. SERVICES
☐ MOTIVA RETAIL
☐ SHELL RETAIL
☐ MOTIVA SORCM
☐ CONSULTANT
☐ LUBES
☐ SHELL PIPELINE
☐ OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES)

☐ CHECK IF NO INCIDENT # APPLIES

iain oiness

PO #

SAP #

DATE: 4/1/2016

PAGE: 1 of 1

LOG CODE:

URS Corporation

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

LOG CODE:

7720 N. 16th Street, Suite 100, Phoenix, AZ 85020

iain oiness

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

iain.oiness@aecom.com

Kyle Wicks and Chris Craft

iain oiness

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

EQUIPMENT: Street and City

UNIT COST

REQUESTED ANALYSIS

NON-UNIT COST

FIELD NOTES:

TEMPERATURE ON RECEIPT
C°Container PID Readings
or Laboratory Notes

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.

Not filtered in field.



440-143182 Chain of Custody

Received by: (Signature)

Fed X

Received by: (Signature)

Date:

4/1/16

Date:

Time:

16:35

Time:

Received by: (Signature)

Date:

4/2/16

Time:

10:00

05/2009 Revision

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 440-143182-1

Login Number: 143182
List Number: 1
Creator: Garcia, Veronica G

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 440-143184-1

Job Description: EQPL Basin Jal Pump Station

For:
AECOM Technical Services Inc.
7720 North 16th Street
Suite 100
Phoenix, AZ 85020
Attention: Mr. Iain Olness



Approved for release.
Beth Riley
Project Manager II
4/20/2016 1:08 PM

Beth Riley, Project Manager II
880 Riverside Parkway, West Sacramento, CA, 95605
(714)258-8610
beth.riley@testamericainc.com
04/20/2016

Table of Contents

Cover Title Page	1
Data Summaries	5
Definitions	5
Case Narrative	6
Detection Summary	7
Client Sample Results	9
Default Detection Limits	18
Surrogate Summary	19
QC Sample Results	20
QC Association	27
Chronicle	30
Certification Summary	33
Method Summary	34
Sample Summary	35
Manual Integration Summary	36
Reagent Traceability	40
Organic Sample Data	79
GC/MS VOA	79
Method 8260B Low Level	79
Method 8260B Low Level QC Summary	80
Method 8260B Low Level Sample Data	91
Standards Data	98
Method 8260B Low Level ICAL Data	98
Method 8260B Low Level CCAL Data	114
Raw QC Data	120
Method 8260B Low Level Blank Data	120

Table of Contents

Method 8260B Low Level LCS/LCSD Data	121
Method 8260B Low Level MS/MSD Data	122
Method 8260B Low Level Run Logs	124
GC/MS Semi VOA	126
Method 8270C SIM	126
Method 8270C SIM QC Summary	127
Method 8270C SIM Sample Data	144
Standards Data	150
Method 8270C SIM ICAL Data	150
Method 8270C SIM Resolution Data	154
Method 8270C SIM CCAL Data	158
Raw QC Data	163
Method 8270C SIM Blank Data	163
Method 8270C SIM LCS/LCSD Data	165
Method 8270C SIM Run Logs	169
Method 8270C SIM Prep Data	174
Inorganic Sample Data	178
Metals Data	178
Met Cover Page	179
Met Sample Data	180
Met QC Data	187
Met ICV/CCV	187
Met CRQL	190
Met Blanks	192
Met ICSA/ICSAB	196
Met MS/MSD/PDS	198

Table of Contents

Met LCS/LCSD	200
Met MDL	203
Met IECF	207
Met Linear Ranges	215
Met Preparation Log	217
Met Analysis Run Log	219
Met Prep Data	223
Shipping and Receiving Documents	231
Client Chain of Custody	232
Sample Receipt Checklist	233

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
M1	Matrix spike recovery was high, the method control sample was acceptable.
R6	LFB/LFBD RPD exceeded method control limit. Recovery met acceptance criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
440-143184-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

Receipt Exceptions

One or more containers for the following sample(s) was received broken or leaking: Amber glass received broken. there is not enough volume for testing 8270 SIM PAHs on sample MW-18

GC/MS VOA

Method(s) 8260B: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, pH of 5 was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-02 (440-143184-1).

Method(s) 8260B: The following sample was diluted due to the abundance of hydrocarbons: MW-12 (440-143184-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322560 and analytical batch 440-322907. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C SIM: The following sample required a dilution due to the nature of the sample matrix: MW-02 (440-143184-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C SIM: Surrogate recovery for the following samples was outside control limits: MW-12 (440-143184-2) and MW-14 (440-143184-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C SIM: The continuing calibration verification (CCV) associated with batch 440-322907 recovered above the upper control limit for Benzo[k]fluoranthene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322773 and analytical batch 440-324076. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 440-323719, 440-323719 and 440-323971 and analytical batch 440-324263.

Method(s) 6010B: The continuing calibration blank (CCB) for analytical batch 324263 contained Antimony above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-02

Lab Sample ID: 440-143184-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	31		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	2.6		1.0		ug/L	1		8260B	Total/NA
o-Xylene	5.5		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	8.1		1.0		ug/L	1		8260B	Total/NA
Fluorene	4.8		3.8		ug/L	20		8270C SIM	Total/NA
Naphthalene	9.9		3.8		ug/L	20		8270C SIM	Total/NA
Phenanthrene	4.9		3.8		ug/L	20		8270C SIM	Total/NA
Arsenic	0.046		0.010		mg/L	1		6010B	Dissolved
Barium	4.2		0.010		mg/L	1		6010B	Dissolved
Chromium	0.0060		0.0050		mg/L	1		6010B	Dissolved
Vanadium	0.050		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-12

Lab Sample ID: 440-143184-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.7		0.96		ug/L	5		8270C SIM	Total/NA
Fluorene	12		0.96		ug/L	5		8270C SIM	Total/NA
Naphthalene	8.6		0.96		ug/L	5		8270C SIM	Total/NA
Phenanthrene	15		0.96		ug/L	5		8270C SIM	Total/NA
Pyrene	8.9		0.96		ug/L	5		8270C SIM	Total/NA
Barium	0.24		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-14

Lab Sample ID: 440-143184-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.3		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	3.1		0.50		ug/L	1		8260B	Total/NA
o-Xylene	1.6		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	1.6		1.0		ug/L	1		8260B	Total/NA
Fluorene	5.0		0.38		ug/L	2		8270C SIM	Total/NA
Naphthalene	4.3		0.38		ug/L	2		8270C SIM	Total/NA
Phenanthrene	16		0.38		ug/L	2		8270C SIM	Total/NA
Pyrene	4.1		0.38		ug/L	2		8270C SIM	Total/NA
Barium	0.29		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.016		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 440-143184-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.028		0.010		mg/L	1		6010B	Dissolved
Selenium	0.059		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.063		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-17

Lab Sample ID: 440-143184-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012		0.010		mg/L	1		6010B	Dissolved
Barium	0.040		0.010		mg/L	1		6010B	Dissolved
Selenium	0.012		0.010		mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-17 (Continued)

Lab Sample ID: 440-143184-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	0.053		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-18

Lab Sample ID: 440-143184-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	32		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	69		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	4.0		1.0		ug/L	1		8260B	Total/NA
o-Xylene	2.5		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	6.5		1.0		ug/L	1		8260B	Total/NA
Arsenic	0.016		0.010		mg/L	1		6010B	Dissolved
Barium	1.1		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-21

Lab Sample ID: 440-143184-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013		0.010		mg/L	1		6010B	Dissolved
Barium	0.065		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.046		0.010		mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-02

Date Collected: 03/31/16 14:41

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		0.50		ug/L			04/11/16 12:31	1
Ethylbenzene	31		0.50		ug/L			04/11/16 12:31	1
m,p-Xylene	2.6		1.0		ug/L			04/11/16 12:31	1
o-Xylene	5.5		0.50		ug/L			04/11/16 12:31	1
Toluene	ND		0.50		ug/L			04/11/16 12:31	1
Xylenes, Total	8.1		1.0		ug/L			04/11/16 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		04/11/16 12:31	1
Dibromofluoromethane (Surr)	106		76 - 132		04/11/16 12:31	1
Toluene-d8 (Surr)	96		80 - 128		04/11/16 12:31	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Acenaphthylene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Anthracene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Benzo[a]anthracene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Benzo[a]pyrene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Benzo[b]fluoranthene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Benzo[g,h,i]perylene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Benzo[k]fluoranthene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Chrysene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Dibenz(a,h)anthracene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Fluoranthene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Fluorene	4.8		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Indeno[1,2,3-cd]pyrene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Naphthalene	9.9		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Phenanthrene	4.9		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20
Pyrene	ND		3.8		ug/L		04/06/16 11:16	04/08/16 01:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	43		50 - 104	04/06/16 11:16	04/08/16 01:52	20
Nitrobenzene-d5	0		46 - 109	04/06/16 11:16	04/08/16 01:52	20
Terphenyl-d14	63		28 - 124	04/06/16 11:16	04/08/16 01:52	20

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Arsenic	0.046		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Barium	4.2		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:50	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:50	1
Chromium	0.0060		0.0050		mg/L		04/13/16 10:32	04/14/16 11:50	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:50	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:50	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-02

Date Collected: 03/31/16 14:41

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-1

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Vanadium	0.050		0.010		mg/L		04/13/16 10:32	04/14/16 11:50	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:15	1

Client Sample ID: MW-12

Date Collected: 03/31/16 16:10

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			04/11/16 12:58	10
Ethylbenzene	ND		5.0		ug/L			04/11/16 12:58	10
m,p-Xylene	ND		10		ug/L			04/11/16 12:58	10
o-Xylene	ND		5.0		ug/L			04/11/16 12:58	10
Toluene	ND		5.0		ug/L			04/11/16 12:58	10
Xylenes, Total	ND		10		ug/L			04/11/16 12:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		80 - 120		04/11/16 12:58	10
Dibromofluoromethane (Surr)	107		76 - 132		04/11/16 12:58	10
Toluene-d8 (Surr)	104		80 - 128		04/11/16 12:58	10

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	3.7		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Acenaphthylene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Anthracene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Benzo[a]anthracene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Benzo[a]pyrene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Benzo[b]fluoranthene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Benzo[g,h,i]perylene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Benzo[k]fluoranthene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Chrysene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Dibenz(a,h)anthracene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Fluoranthene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Fluorene	12		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Indeno[1,2,3-cd]pyrene	ND		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Naphthalene	8.6		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Phenanthrene	15		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5
Pyrene	8.9		0.96		ug/L		04/06/16 11:16	04/08/16 02:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		50 - 104	04/06/16 11:16	04/08/16 02:12	5
Nitrobenzene-d5	0		46 - 109	04/06/16 11:16	04/08/16 02:12	5
Terphenyl-d14	129		28 - 124	04/06/16 11:16	04/08/16 02:12	5

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-12

Date Collected: 03/31/16 16:10

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-2

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Barium	0.24		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:52	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:52	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:52	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:52	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:52	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Vanadium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:52	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:10	1

Client Sample ID: MW-14

Date Collected: 03/31/16 17:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.3		0.50		ug/L			04/11/16 13:26	1
Ethylbenzene	3.1		0.50		ug/L			04/11/16 13:26	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 13:26	1
o-Xylene	1.6		0.50		ug/L			04/11/16 13:26	1
Toluene	ND		0.50		ug/L			04/11/16 13:26	1
Xylenes, Total	1.6		1.0		ug/L			04/11/16 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		04/11/16 13:26	1
Dibromofluoromethane (Surr)	104		76 - 132		04/11/16 13:26	1
Toluene-d8 (Surr)	108		80 - 128		04/11/16 13:26	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Acenaphthylene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Anthracene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Benzo[a]anthracene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Benzo[a]pyrene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Benzo[b]fluoranthene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Benzo[g,h,i]perylene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Benzo[k]fluoranthene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Chrysene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-14

Date Collected: 03/31/16 17:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-3

Matrix: Water

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Fluoranthene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Fluorene	5.0		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Indeno[1,2,3-cd]pyrene	ND		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Naphthalene	4.3		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Phenanthrene	16		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2
Pyrene	4.1		0.38		ug/L		04/06/16 11:16	04/08/16 02:33	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	16		50 - 104	04/06/16 11:16	04/08/16 02:33	2
Nitrobenzene-d5	0		46 - 109	04/06/16 11:16	04/08/16 02:33	2
Terphenyl-d14	98		28 - 124	04/06/16 11:16	04/08/16 02:33	2

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Barium	0.29		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:55	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:55	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:55	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:55	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:55	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Vanadium	0.016		0.010		mg/L		04/13/16 10:32	04/14/16 11:55	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:13	1

Client Sample ID: MW-16

Date Collected: 03/31/16 09:20

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 11:08	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 11:08	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 11:08	1
o-Xylene	ND		0.50		ug/L			04/11/16 11:08	1
Toluene	ND		0.50		ug/L			04/11/16 11:08	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135		80 - 120		04/11/16 11:08	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-16

Date Collected: 03/31/16 09:20

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		76 - 132		04/11/16 11:08	1
Toluene-d8 (Surr)	108		80 - 128		04/11/16 11:08	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Acenaphthylene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Benzo[a]anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Benzo[a]pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Chrysene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Fluorene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Naphthalene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Phenanthrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1
Pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		50 - 104	04/06/16 11:16	04/08/16 01:10	1
Nitrobenzene-d5	68		46 - 109	04/06/16 11:16	04/08/16 01:10	1
Terphenyl-d14	82		28 - 124	04/06/16 11:16	04/08/16 01:10	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Barium	0.028		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:57	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:57	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:57	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:57	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:57	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Selenium	0.059		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Vanadium	0.063		0.010		mg/L		04/13/16 10:32	04/14/16 11:57	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 05:56	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-17

Date Collected: 03/31/16 10:35

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 13:53	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 13:53	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 13:53	1
o-Xylene	ND		0.50		ug/L			04/11/16 13:53	1
Toluene	ND		0.50		ug/L			04/11/16 13:53	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		04/11/16 13:53	1
Dibromofluoromethane (Surr)	102		76 - 132		04/11/16 13:53	1
Toluene-d8 (Surr)	107		80 - 128		04/11/16 13:53	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Acenaphthylene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Benzo[a]anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Benzo[a]pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Chrysene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Fluoranthene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Fluorene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Naphthalene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Phenanthrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1
Pyrene	ND		0.19		ug/L		04/06/16 11:16	04/08/16 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		50 - 104	04/06/16 11:16	04/08/16 01:31	1
Nitrobenzene-d5	63		46 - 109	04/06/16 11:16	04/08/16 01:31	1
Terphenyl-d14	66		28 - 124	04/06/16 11:16	04/08/16 01:31	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Arsenic	0.012		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Barium	0.040		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:00	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:00	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:00	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:00	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:00	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Selenium	0.012		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-17

Date Collected: 03/31/16 10:35

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-5

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Vanadium	0.053		0.010		mg/L		04/13/16 10:32	04/14/16 12:00	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:00	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:18	1

Client Sample ID: MW-18

Date Collected: 03/31/16 12:06

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	32		0.50		ug/L			04/11/16 14:21	1
Ethylbenzene	69		0.50		ug/L			04/11/16 14:21	1
m,p-Xylene	4.0		1.0		ug/L			04/11/16 14:21	1
o-Xylene	2.5		0.50		ug/L			04/11/16 14:21	1
Toluene	ND		0.50		ug/L			04/11/16 14:21	1
Xylenes, Total	6.5		1.0		ug/L			04/11/16 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		04/11/16 14:21	1
Dibromofluoromethane (Surr)	100		76 - 132		04/11/16 14:21	1
Toluene-d8 (Surr)	108		80 - 128		04/11/16 14:21	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Arsenic	0.016		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Barium	1.1		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:02	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:02	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:02	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:02	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:02	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Vanadium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:02	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:21	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-21

Date Collected: 04/01/16 12:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 14:48	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 14:48	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 14:48	1
o-Xylene	ND		0.50		ug/L			04/11/16 14:48	1
Toluene	ND		0.50		ug/L			04/11/16 14:48	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		04/11/16 14:48	1
Dibromofluoromethane (Surr)	101		76 - 132		04/11/16 14:48	1
Toluene-d8 (Surr)	104		80 - 128		04/11/16 14:48	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Acenaphthylene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Benzo[a]anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Benzo[a]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Chrysene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Fluorene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Naphthalene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Phenanthrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1
Pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	53		50 - 104	04/07/16 09:52	04/12/16 17:40	1
Nitrobenzene-d5	57		46 - 109	04/07/16 09:52	04/12/16 17:40	1
Terphenyl-d14	73		28 - 124	04/07/16 09:52	04/12/16 17:40	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Arsenic	0.013		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Barium	0.065		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:04	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:04	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:04	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:04	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:04	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-21

Date Collected: 04/01/16 12:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-7

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Vanadium	0.046		0.010		mg/L		04/13/16 10:32	04/14/16 12:04	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:04	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:23	1

Default Detection Limits

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	RL	MDL	Units	Method
Benzene	0.50	0.25	ug/L	8260B
Ethylbenzene	0.50	0.25	ug/L	8260B
m,p-Xylene	1.0	0.50	ug/L	8260B
o-Xylene	0.50	0.25	ug/L	8260B
Toluene	0.50	0.25	ug/L	8260B
Xylenes, Total	1.0	0.50	ug/L	8260B

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	RL	MDL	Units	Method
Acenaphthene	0.20	0.10	ug/L	8270C SIM
Acenaphthylene	0.20	0.10	ug/L	8270C SIM
Anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]pyrene	0.20	0.10	ug/L	8270C SIM
Benzo[b]fluoranthene	0.20	0.10	ug/L	8270C SIM
Benzo[g,h,i]perylene	0.20	0.10	ug/L	8270C SIM
Benzo[k]fluoranthene	0.20	0.10	ug/L	8270C SIM
Chrysene	0.20	0.10	ug/L	8270C SIM
Dibenz(a,h)anthracene	0.20	0.10	ug/L	8270C SIM
Fluoranthene	0.20	0.10	ug/L	8270C SIM
Fluorene	0.20	0.10	ug/L	8270C SIM
Indeno[1,2,3-cd]pyrene	0.20	0.10	ug/L	8270C SIM
Naphthalene	0.20	0.10	ug/L	8270C SIM
Phenanthrene	0.20	0.10	ug/L	8270C SIM
Pyrene	0.20	0.10	ug/L	8270C SIM

Method: 6010B - Metals (ICP) - Dissolved

Analyte	RL	MDL	Units	Method
Antimony	0.010	0.0060	mg/L	6010B
Arsenic	0.010	0.0050	mg/L	6010B
Barium	0.010	0.0050	mg/L	6010B
Beryllium	0.0020	0.0010	mg/L	6010B
Cadmium	0.0050	0.0020	mg/L	6010B
Chromium	0.0050	0.0025	mg/L	6010B
Cobalt	0.010	0.0025	mg/L	6010B
Copper	0.010	0.0050	mg/L	6010B
Lead	0.0050	0.0025	mg/L	6010B
Molybdenum	0.020	0.010	mg/L	6010B
Nickel	0.010	0.0050	mg/L	6010B
Selenium	0.010	0.0061	mg/L	6010B
Silver	0.010	0.0050	mg/L	6010B
Thallium	0.010	0.0050	mg/L	6010B
Vanadium	0.010	0.0050	mg/L	6010B
Zinc	0.020	0.010	mg/L	6010B

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	RL	MDL	Units	Method
Mercury	0.00020	0.00010	mg/L	7470A

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (76-132)	TOL (80-128)
440-143184-1	MW-02	105	106	96
440-143184-2	MW-12	90	107	104
440-143184-3	MW-14	96	104	108
440-143184-4	MW-16	135	111	108
440-143184-4 MS	MW-16	98	114	90
440-143184-4 MSD	MW-16	83	111	100
440-143184-5	MW-17	98	102	107
440-143184-6	MW-18	99	100	108
440-143184-7	MW-21	98	101	104
LCS 440-323348/5	Lab Control Sample	96	103	85
MB 440-323348/4	Method Blank	113	111	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (50-104)	NBZ (46-109)	TPH (28-124)
440-143184-1	MW-02	43	0	63
440-143184-2	MW-12	77	0	129
440-143184-3	MW-14	16	0	98
440-143184-4	MW-16	62	68	82
440-143184-5	MW-17	59	63	66
440-143184-7	MW-21	53	57	73
LCS 440-322560/2-A	Lab Control Sample	62	48	75
LCS 440-322773/2-A	Lab Control Sample	58	50	72
LCSD 440-322560/3-A	Lab Control Sample Dup	64	57	85
LCSD 440-322773/3-A	Lab Control Sample Dup	59	49	75
MB 440-322560/1-A	Method Blank	61	67	87
MB 440-322773/1-A	Method Blank	57	70	76

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-323348/4

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 08:40	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 08:40	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 08:40	1
o-Xylene	ND		0.50		ug/L			04/11/16 08:40	1
Toluene	ND		0.50		ug/L			04/11/16 08:40	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 08:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		04/11/16 08:40	1
Dibromofluoromethane (Surr)	111		76 - 132		04/11/16 08:40	1
Toluene-d8 (Surr)	100		80 - 128		04/11/16 08:40	1

Lab Sample ID: LCS 440-323348/5

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.6		ug/L		98	68 - 130
Ethylbenzene	25.0	29.5		ug/L		118	70 - 130
m,p-Xylene	25.0	25.2		ug/L		101	70 - 130
o-Xylene	25.0	26.7		ug/L		107	70 - 130
Toluene	25.0	21.3		ug/L		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	103		76 - 132
Toluene-d8 (Surr)	85		80 - 128

Lab Sample ID: 440-143184-4 MS

Matrix: Water

Analysis Batch: 323348

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.2		ug/L		113	66 - 130
Ethylbenzene	ND		25.0	27.6		ug/L		111	70 - 130
m,p-Xylene	ND		25.0	29.2		ug/L		117	70 - 133
o-Xylene	ND		25.0	34.5	M1	ug/L		138	70 - 133
Toluene	ND		25.0	24.3		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	114		76 - 132
Toluene-d8 (Surr)	90		80 - 128

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-143184-4 MSD

Matrix: Water

Analysis Batch: 323348

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.2		ug/L		105	66 - 130	7	20
Ethylbenzene	ND		25.0	26.0		ug/L		104	70 - 130	6	20
m,p-Xylene	ND		25.0	26.2		ug/L		105	70 - 133	11	25
o-Xylene	ND		25.0	27.2	R6	ug/L		109	70 - 133	24	20
Toluene	ND		25.0	25.7		ug/L		103	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		80 - 120
Dibromofluoromethane (Surr)	111		76 - 132
Toluene-d8 (Surr)	100		80 - 128

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 440-322560/1-A

Matrix: Water

Analysis Batch: 322907

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Acenaphthylene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Anthracene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Benzo[a]anthracene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Benzo[a]pyrene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Chrysene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Fluoranthene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Fluorene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Naphthalene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Phenanthrene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1
Pyrene	ND		0.20		ug/L		04/06/16 11:16	04/07/16 23:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		50 - 104	04/06/16 11:16	04/07/16 23:27	1
Nitrobenzene-d5	67		46 - 109	04/06/16 11:16	04/07/16 23:27	1
Terphenyl-d14	87		28 - 124	04/06/16 11:16	04/07/16 23:27	1

Lab Sample ID: LCS 440-322560/2-A

Matrix: Water

Analysis Batch: 322907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.710		ug/L		71	54 - 120
Acenaphthylene	1.00	0.673		ug/L		67	55 - 120

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 440-322560/2-A

Matrix: Water

Analysis Batch: 322907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	1.00	0.687		ug/L		69	56 - 120
Benzo[a]anthracene	1.00	0.689		ug/L		69	63 - 120
Benzo[a]pyrene	1.00	0.707		ug/L		71	54 - 120
Benzo[b]fluoranthene	1.00	0.762		ug/L		76	60 - 120
Benzo[g,h,i]perylene	1.00	0.740		ug/L		74	61 - 139
Benzo[k]fluoranthene	1.00	0.920		ug/L		92	62 - 120
Chrysene	1.00	0.759		ug/L		76	65 - 120
Dibenz(a,h)anthracene	1.00	0.686		ug/L		69	61 - 120
Fluoranthene	1.00	0.711		ug/L		71	61 - 120
Fluorene	1.00	0.758		ug/L		76	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.655		ug/L		65	61 - 122
Naphthalene	1.00	0.614		ug/L		61	46 - 120
Phenanthrene	1.00	0.694		ug/L		69	60 - 120
Pyrene	1.00	0.691		ug/L		69	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	62		50 - 104
Nitrobenzene-d5	48		46 - 109
Terphenyl-d14	75		28 - 124

Lab Sample ID: LCSD 440-322560/3-A

Matrix: Water

Analysis Batch: 322907

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 322560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	1.00	0.708		ug/L		71	54 - 120	0	35
Acenaphthylene	1.00	0.716		ug/L		72	55 - 120	6	35
Anthracene	1.00	0.847		ug/L		85	56 - 120	21	35
Benzo[a]anthracene	1.00	0.762		ug/L		76	63 - 120	10	35
Benzo[a]pyrene	1.00	0.800		ug/L		80	54 - 120	12	35
Benzo[b]fluoranthene	1.00	0.881		ug/L		88	60 - 120	15	35
Benzo[g,h,i]perylene	1.00	0.833		ug/L		83	61 - 139	12	35
Benzo[k]fluoranthene	1.00	0.992		ug/L		99	62 - 120	8	35
Chrysene	1.00	0.883		ug/L		88	65 - 120	15	35
Dibenz(a,h)anthracene	1.00	0.752		ug/L		75	61 - 120	9	35
Fluoranthene	1.00	0.826		ug/L		83	61 - 120	15	35
Fluorene	1.00	0.842		ug/L		84	53 - 120	11	35
Indeno[1,2,3-cd]pyrene	1.00	0.740		ug/L		74	61 - 122	12	35
Naphthalene	1.00	0.658		ug/L		66	46 - 120	7	35
Phenanthrene	1.00	0.795		ug/L		79	60 - 120	13	35
Pyrene	1.00	0.807		ug/L		81	63 - 120	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	64		50 - 104
Nitrobenzene-d5	57		46 - 109
Terphenyl-d14	85		28 - 124

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 440-322773/1-A

Matrix: Water

Analysis Batch: 323269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Acenaphthylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Chrysene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluorene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Naphthalene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Phenanthrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		50 - 104	04/07/16 09:52	04/10/16 00:57	1
Nitrobenzene-d5	70		46 - 109	04/07/16 09:52	04/10/16 00:57	1
Terphenyl-d14	76		28 - 124	04/07/16 09:52	04/10/16 00:57	1

Lab Sample ID: LCS 440-322773/2-A

Matrix: Water

Analysis Batch: 324076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.667		ug/L		67	54 - 120
Acenaphthylene	1.00	0.636		ug/L		64	55 - 120
Anthracene	1.00	0.725		ug/L		72	56 - 120
Benzo[a]anthracene	1.00	0.657		ug/L		66	63 - 120
Benzo[a]pyrene	1.00	0.710		ug/L		71	54 - 120
Benzo[b]fluoranthene	1.00	0.713		ug/L		71	60 - 120
Benzo[g,h,i]perylene	1.00	0.868		ug/L		87	61 - 139
Benzo[k]fluoranthene	1.00	0.816		ug/L		82	62 - 120
Chrysene	1.00	0.770		ug/L		77	65 - 120
Dibenz(a,h)anthracene	1.00	0.770		ug/L		77	61 - 120
Fluoranthene	1.00	0.736		ug/L		74	61 - 120
Fluorene	1.00	0.685		ug/L		69	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.747		ug/L		75	61 - 122
Naphthalene	1.00	0.577		ug/L		58	46 - 120
Phenanthrene	1.00	0.684		ug/L		68	60 - 120
Pyrene	1.00	0.725		ug/L		72	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	58		50 - 104
Nitrobenzene-d5	50		46 - 109

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 440-322773/2-A
Matrix: Water
Analysis Batch: 324076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 322773

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	72		28 - 124

Lab Sample ID: LCSD 440-322773/3-A
Matrix: Water
Analysis Batch: 323269

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 322773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.641		ug/L		64	54 - 120	4	35
Acenaphthylene	1.00	0.628		ug/L		63	55 - 120	1	35
Anthracene	1.00	0.690		ug/L		69	56 - 120	5	35
Benzo[a]anthracene	1.00	0.689		ug/L		69	63 - 120	5	35
Benzo[a]pyrene	1.00	0.724		ug/L		72	54 - 120	2	35
Benzo[b]fluoranthene	1.00	0.740		ug/L		74	60 - 120	4	35
Benzo[g,h,i]perylene	1.00	0.911		ug/L		91	61 - 139	5	35
Benzo[k]fluoranthene	1.00	0.790		ug/L		79	62 - 120	3	35
Chrysene	1.00	0.831		ug/L		83	65 - 120	8	35
Dibenz(a,h)anthracene	1.00	0.778		ug/L		78	61 - 120	1	35
Fluoranthene	1.00	0.765		ug/L		76	61 - 120	4	35
Fluorene	1.00	0.680		ug/L		68	53 - 120	1	35
Indeno[1,2,3-cd]pyrene	1.00	0.760		ug/L		76	61 - 122	2	35
Naphthalene	1.00	0.544		ug/L		54	46 - 120	6	35
Phenanthrene	1.00	0.699		ug/L		70	60 - 120	2	35
Pyrene	1.00	0.729		ug/L		73	63 - 120	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	59		50 - 104
Nitrobenzene-d5	49		46 - 109
Terphenyl-d14	75		28 - 124

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-323719/1-B
Matrix: Water
Analysis Batch: 324263

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 323971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Barium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:43	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:43	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-323719/1-B

Matrix: Water

Analysis Batch: 324263

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 323971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Vanadium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:43	1

Lab Sample ID: LCS 440-323719/2-B

Matrix: Water

Analysis Batch: 324263

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 323971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	0.913		mg/L		91	80 - 120
Arsenic	1.00	0.938		mg/L		94	80 - 120
Barium	1.00	0.968		mg/L		97	80 - 120
Beryllium	1.00	0.962		mg/L		96	80 - 120
Cadmium	1.00	0.969		mg/L		97	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	0.972		mg/L		97	80 - 120
Copper	1.00	0.944		mg/L		94	80 - 120
Lead	1.00	0.983		mg/L		98	80 - 120
Molybdenum	1.00	0.944		mg/L		94	80 - 120
Nickel	1.00	0.949		mg/L		95	80 - 120
Selenium	1.00	0.886		mg/L		89	80 - 120
Silver	0.500	0.488		mg/L		98	80 - 120
Thallium	1.00	0.955		mg/L		95	80 - 120
Vanadium	1.00	0.943		mg/L		94	80 - 120
Zinc	1.00	0.912		mg/L		91	80 - 120

Lab Sample ID: LCSD 440-323719/17-B

Matrix: Water

Analysis Batch: 324263

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Prep Batch: 323971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	1.00	0.874		mg/L		87	80 - 120	4	20
Arsenic	1.00	0.899		mg/L		90	80 - 120	4	20
Barium	1.00	0.942		mg/L		94	80 - 120	3	20
Beryllium	1.00	0.913		mg/L		91	80 - 120	5	20
Cadmium	1.00	0.944		mg/L		94	80 - 120	3	20
Chromium	1.00	0.997		mg/L		100	80 - 120	1	20
Cobalt	1.00	0.936		mg/L		94	80 - 120	4	20
Copper	1.00	0.904		mg/L		90	80 - 120	4	20
Lead	1.00	0.942		mg/L		94	80 - 120	4	20
Molybdenum	1.00	0.926		mg/L		93	80 - 120	2	20
Nickel	1.00	0.923		mg/L		92	80 - 120	3	20
Selenium	1.00	0.844		mg/L		84	80 - 120	5	20
Silver	0.500	0.474		mg/L		95	80 - 120	3	20
Thallium	1.00	0.916		mg/L		92	80 - 120	4	20
Vanadium	1.00	0.914		mg/L		91	80 - 120	3	20
Zinc	1.00	0.883		mg/L		88	80 - 120	3	20

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 440-323719/1-C
Matrix: Water
Analysis Batch: 324216

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 324101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 05:51	1

Lab Sample ID: LCS 440-323719/2-C
Matrix: Water
Analysis Batch: 324216

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 324101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00800	0.00797		mg/L		100	80 - 120

Lab Sample ID: 440-143184-4 MS
Matrix: Water
Analysis Batch: 324216

Client Sample ID: MW-16
Prep Type: Dissolved
Prep Batch: 324101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00800	0.00776		mg/L		97	70 - 130

Lab Sample ID: 440-143184-4 MSD
Matrix: Water
Analysis Batch: 324216

Client Sample ID: MW-16
Prep Type: Dissolved
Prep Batch: 324101

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD Limit
Mercury	ND		0.00800	0.00792		mg/L		99	70 - 130	20

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

GC/MS VOA

Analysis Batch: 323348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Total/NA	Water	8260B	
440-143184-2	MW-12	Total/NA	Water	8260B	
440-143184-3	MW-14	Total/NA	Water	8260B	
440-143184-4	MW-16	Total/NA	Water	8260B	
440-143184-4 MS	MW-16	Total/NA	Water	8260B	
440-143184-4 MSD	MW-16	Total/NA	Water	8260B	
440-143184-5	MW-17	Total/NA	Water	8260B	
440-143184-6	MW-18	Total/NA	Water	8260B	
440-143184-7	MW-21	Total/NA	Water	8260B	
LCS 440-323348/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-323348/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 322560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Total/NA	Water	3520C	
440-143184-2	MW-12	Total/NA	Water	3520C	
440-143184-3	MW-14	Total/NA	Water	3520C	
440-143184-4	MW-16	Total/NA	Water	3520C	
440-143184-5	MW-17	Total/NA	Water	3520C	
LCS 440-322560/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322560/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-322560/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 322773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-7	MW-21	Total/NA	Water	3520C	
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-322773/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 322907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Total/NA	Water	8270C SIM	322560
440-143184-2	MW-12	Total/NA	Water	8270C SIM	322560
440-143184-3	MW-14	Total/NA	Water	8270C SIM	322560
440-143184-4	MW-16	Total/NA	Water	8270C SIM	322560
440-143184-5	MW-17	Total/NA	Water	8270C SIM	322560
LCS 440-322560/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322560
LCSD 440-322560/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322560
MB 440-322560/1-A	Method Blank	Total/NA	Water	8270C SIM	322560

Analysis Batch: 323269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322773
MB 440-322773/1-A	Method Blank	Total/NA	Water	8270C SIM	322773

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

GC/MS Semi VOA (Continued)

Analysis Batch: 323808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-7	MW-21	Total/NA	Water	8270C SIM	322773

Analysis Batch: 324076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322773

Metals

Filtration Batch: 323719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Dissolved	Water	FILTRATION	
440-143184-2	MW-12	Dissolved	Water	FILTRATION	
440-143184-3	MW-14	Dissolved	Water	FILTRATION	
440-143184-4	MW-16	Dissolved	Water	FILTRATION	
440-143184-4 MS	MW-16	Dissolved	Water	FILTRATION	
440-143184-4 MSD	MW-16	Dissolved	Water	FILTRATION	
440-143184-5	MW-17	Dissolved	Water	FILTRATION	
440-143184-6	MW-18	Dissolved	Water	FILTRATION	
440-143184-7	MW-21	Dissolved	Water	FILTRATION	
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
MB 440-323719/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 440-323719/1-C	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 323971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Dissolved	Water	3005A	323719
440-143184-2	MW-12	Dissolved	Water	3005A	323719
440-143184-3	MW-14	Dissolved	Water	3005A	323719
440-143184-4	MW-16	Dissolved	Water	3005A	323719
440-143184-5	MW-17	Dissolved	Water	3005A	323719
440-143184-6	MW-18	Dissolved	Water	3005A	323719
440-143184-7	MW-21	Dissolved	Water	3005A	323719
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	3005A	323719
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	3005A	323719
MB 440-323719/1-B	Method Blank	Dissolved	Water	3005A	323719

Prep Batch: 324089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CRA 440-324089/5-A	DL		Water	245.1	

Prep Batch: 324101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Dissolved	Water	7470A	323719
440-143184-2	MW-12	Dissolved	Water	7470A	323719
440-143184-3	MW-14	Dissolved	Water	7470A	323719
440-143184-4	MW-16	Dissolved	Water	7470A	323719
440-143184-4 MS	MW-16	Dissolved	Water	7470A	323719
440-143184-4 MSD	MW-16	Dissolved	Water	7470A	323719

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Metals (Continued)

Prep Batch: 324101 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-5	MW-17	Dissolved	Water	7470A	323719
440-143184-6	MW-18	Dissolved	Water	7470A	323719
440-143184-7	MW-21	Dissolved	Water	7470A	323719
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	7470A	323719
MB 440-323719/1-C	Method Blank	Dissolved	Water	7470A	323719

Analysis Batch: 324216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Dissolved	Water	7470A	324101
440-143184-2	MW-12	Dissolved	Water	7470A	324101
440-143184-3	MW-14	Dissolved	Water	7470A	324101
440-143184-4	MW-16	Dissolved	Water	7470A	324101
440-143184-4 MS	MW-16	Dissolved	Water	7470A	324101
440-143184-4 MSD	MW-16	Dissolved	Water	7470A	324101
440-143184-5	MW-17	Dissolved	Water	7470A	324101
440-143184-6	MW-18	Dissolved	Water	7470A	324101
440-143184-7	MW-21	Dissolved	Water	7470A	324101
CRA 440-324089/5-A	DL		Water	7470A	324089
CRA 440-324089/5-A	DL		Water	7470A	324089
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	7470A	324101
MB 440-323719/1-C	Method Blank	Dissolved	Water	7470A	324101

Analysis Batch: 324263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-1	MW-02	Dissolved	Water	6010B	323971
440-143184-2	MW-12	Dissolved	Water	6010B	323971
440-143184-3	MW-14	Dissolved	Water	6010B	323971
440-143184-4	MW-16	Dissolved	Water	6010B	323971
440-143184-5	MW-17	Dissolved	Water	6010B	323971
440-143184-6	MW-18	Dissolved	Water	6010B	323971
440-143184-7	MW-21	Dissolved	Water	6010B	323971
CRI 440-324263/11	DL		Water	6010B	
ICSA 440-324263/7	ICS		Water	6010B	
ICSAB 440-324263/8	ICS		Water	6010B	
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	6010B	323971
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	6010B	323971
MB 440-323719/1-B	Method Blank	Dissolved	Water	6010B	323971

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-02

Date Collected: 03/31/16 14:41

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 12:31	AL	TAL IRV
Total/NA	Prep	3520C			322560	04/06/16 11:16	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		20	322907	04/08/16 01:52	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 11:50	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:15	EN	TAL IRV

Client Sample ID: MW-12

Date Collected: 03/31/16 16:10

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	323348	04/11/16 12:58	AL	TAL IRV
Total/NA	Prep	3520C			322560	04/06/16 11:16	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		5	322907	04/08/16 02:12	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 11:52	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:10	EN	TAL IRV

Client Sample ID: MW-14

Date Collected: 03/31/16 17:55

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 13:26	AL	TAL IRV
Total/NA	Prep	3520C			322560	04/06/16 11:16	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		2	322907	04/08/16 02:33	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 11:55	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:13	EN	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-16

Date Collected: 03/31/16 09:20

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 11:08	AL	TAL IRV
Total/NA	Prep	3520C			322560	04/06/16 11:16	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322907	04/08/16 01:10	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 11:57	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 05:56	EN	TAL IRV

Client Sample ID: MW-17

Date Collected: 03/31/16 10:35

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 13:53	AL	TAL IRV
Total/NA	Prep	3520C			322560	04/06/16 11:16	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322907	04/08/16 01:31	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:00	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:18	EN	TAL IRV

Client Sample ID: MW-18

Date Collected: 03/31/16 12:06

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 14:21	AL	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:02	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:21	EN	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Client Sample ID: MW-21

Date Collected: 04/01/16 12:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143184-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 14:48	AL	TAL IRV
Total/NA	Prep	3520C			322773	04/07/16 09:52	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	323808	04/12/16 17:40	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:04	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:23	EN	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-16
California	LA Cty Sanitation Districts	9	10256	01-31-17 *
California	State Program	9	CA ELAP 2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-17
Hawaii	State Program	9	N/A	01-29-17
Kansas	NELAP Secondary AB	7	E-10420	07-31-16
Nevada	State Program	9	CA015312016-2	07-31-16
New Mexico	State Program	6	N/A	01-29-17
Northern Mariana Islands	State Program	9	MP0002	01-29-16 *
Oregon	NELAP	10	4028	01-29-17
USDA	Federal		P330-09-00080	07-08-18
Washington	State Program	10	C900	09-03-16

* Certification renewal pending - certification considered valid.

TestAmerica Irvine

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7470A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143184-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-143184-1	MW-02	Water	03/31/16 14:41	04/02/16 10:00
440-143184-2	MW-12	Water	03/31/16 16:10	04/02/16 10:00
440-143184-3	MW-14	Water	03/31/16 17:55	04/02/16 10:00
440-143184-4	MW-16	Water	03/31/16 09:20	04/02/16 10:00
440-143184-5	MW-17	Water	03/31/16 10:35	04/02/16 10:00
440-143184-6	MW-18	Water	03/31/16 12:06	04/02/16 10:00
440-143184-7	MW-21	Water	04/01/16 12:22	04/02/16 10:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS59 Analysis Batch Number: 321171Lab Sample ID: STD2 440-321171/8 IC Client Sample ID: _____Date Analyzed: 03/30/16 16:32 Lab File ID: XEC30015.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	2.70	Split Peak	ramirezr	03/31/16 06:03

Lab Sample ID: STD5 440-321171/9 IC Client Sample ID: _____Date Analyzed: 03/30/16 16:59 Lab File ID: XEC30016.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	2.68	Split Peak	ramirezr	03/31/16 06:05

Lab Sample ID: STD10 440-321171/10 IC Client Sample ID: _____Date Analyzed: 03/30/16 17:27 Lab File ID: XEC30017.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.31	Split Peak	ramirezr	03/31/16 06:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 321454Lab Sample ID: STD50 440-321454/2 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:12 Lab File ID: J033102.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	12.16	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[a]pyrene	12.79	Assign Peak	ibasitasa	03/31/16 13:04
Indeno[1,2,3-cd]pyrene	14.62	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[g,h,i]perylene	15.01	Assign Peak	ibasitasa	03/31/16 13:04

Lab Sample ID: STD100 440-321454/3 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:33 Lab File ID: J033103.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene	6.12	Split Peak	ibasitasa	03/31/16 14:49
Benzo[b]fluoranthene	12.12	Assign Peak	ibasitasa	03/31/16 13:05
Benzo[a]pyrene	12.75	Assign Peak	ibasitasa	03/31/16 13:05
Dibenz(a,h)anthracene	14.60	Assign Peak	ibasitasa	03/31/16 13:05

Lab Sample ID: STD250 440-321454/4 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:53 Lab File ID: J033104.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.77	Assign Peak	ibasitasa	03/31/16 13:55
Benzo[b]fluoranthene	12.10	Assign Peak	ibasitasa	03/31/16 13:55

Lab Sample ID: STD500 440-321454/5 IC Client Sample ID: _____Date Analyzed: 03/31/16 13:14 Lab File ID: J033105.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Assign Peak	ibasitasa	03/31/16 13:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 322907Lab Sample ID: 440-143184-1 Client Sample ID: MW-02Date Analyzed: 04/08/16 01:52 Lab File ID: J040719.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	8.39	Assign Peak	ibasitasa	04/08/16 13:09

Lab Sample ID: 440-143184-2 Client Sample ID: MW-12Date Analyzed: 04/08/16 02:12 Lab File ID: J040720.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl (Surr)	6.44	Assign Peak	ibasitasa	04/08/16 13:20
Acenaphthene-d10	7.12	Assign Peak	ibasitasa	04/08/16 13:20
Fluorene	7.61	Assign Peak	ibasitasa	04/08/16 13:20
Phenanthrene	8.39	Assign Peak	ibasitasa	04/08/16 13:20
Terphenyl-d14	9.58	Assign Peak	ibasitasa	04/08/16 13:20

Lab Sample ID: 440-143184-3 Client Sample ID: MW-14Date Analyzed: 04/08/16 02:33 Lab File ID: J040721.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	8.41	Assign Peak	ibasitasa	04/08/16 13:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 323269Lab Sample ID: MB 440-322773/1-A Client Sample ID: _____Date Analyzed: 04/10/16 00:57 Lab File ID: J040902.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Split Peak	fosterd	04/11/16 10:01

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME 1PPM HG1_00252	04/18/16	04/11/16	0.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L
					ME 10PPM 00007	5 mL	Mercury	1 mg/L
.ME 0.15% HNO3 00017	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L
..ME HNO3 00307	11/27/16		Macron Fine Chemicals, Lot 0000119636		(Purchased Reagent)		Stock Chemical	1 %
.ME 10PPM 00007	04/29/18		Inorganic Ventures, Lot J2-HG02136		(Purchased Reagent)		Mercury	10 mg/L
ME 1PPM HG2_00245	04/18/16	04/11/16	.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L
					ME 10PPM HG2_00013	5 mL	Mercury	1 mg/L
.ME 0.15% HNO3 00017	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L
..ME HNO3 00307	11/27/16		Macron Fine Chemicals, Lot 0000119636		(Purchased Reagent)		Stock Chemical	1 %
.ME 10PPM HG2_00013	12/30/16		Spex, Lot 20-131HGY		(Purchased Reagent)		Mercury	10 mg/L
ME H2SO4_00066	12/15/16		Macron, Lot 0000115683		(Purchased Reagent)		Stock Chemical	100 %
ME HCl_00317	04/06/17		Fisher Chemical, Lot 4115100		(Purchased Reagent)		Stock Chemical	100 %
ME HNO3_00318	02/26/17		Macron Fine Chemicals, Lot 0000129810		(Purchased Reagent)		Stock Chemical	1 %
ME HNO3_00327	04/11/17		Macron Fine Chemicals, Lot 0000129810		(Purchased Reagent)		Stock Chemical	1 %
ME HYDROX SOL_00073	07/21/16	03/21/16	Di Water, Lot n/a	6000 mL	ME H8N2O6S_00054	720 g	Stock Chemical	24 %
					ME NACL_00016	720 g	Stock Chemical	24 %
.ME H8N2O6S_00054	01/12/17		fisher, Lot 149337		(Purchased Reagent)		Stock Chemical	100 %
.ME NACL_00016	03/21/17		Fisher Scientific, Lot 148298		(Purchased Reagent)		Stock Chemical	100 %
ME ICP CRI3_02321	04/14/16	04/14/16	1%HNO3/0.5%HCl, Lot HNO3	50 mL	CRI CHK STD_00021	1 mL	Molybdenum	0.04 ug/mL
							Nickel	0.02 ug/mL
							Selenium	0.02 ug/mL
							Silver	0.02 ug/mL
							Thallium	0.02 ug/mL
							Vanadium	0.02 ug/mL
							Zinc	0.04 ug/mL
					CRI CHK STD_00022	1 mL	Antimony	0.02 ug/mL
							Arsenic	0.02 ug/mL
							Barium	0.02 ug/mL
							Beryllium	0.004 ug/mL
							Cadmium	0.01 ug/mL
							Chromium	0.01 ug/mL
							Cobalt	0.02 ug/mL
							Copper	0.02 ug/mL
							Lead	0.01 ug/mL
.CRI CHK STD_00021	04/01/17		ACCU STANDARD, Lot 212125072-02		(Purchased Reagent)		Molybdenum	2 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Silver	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	2 ug/mL
.CRI CHK STD_00022	04/01/17		ACCU STANDARD, Lot 212125023-02		(Purchased Reagent)		Antimony	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	1 ug/mL
							Barium	1 ug/mL
							Beryllium	0.2 ug/mL
							Cadmium	0.5 ug/mL
							Chromium	0.5 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL
							Lead	0.5 ug/mL
ME ICP ICV2_01222	04/15/16	04/14/16	1%HNO3/2%HCl, Lot N/A	50 mL	ME ICP2 ICV1A_00033	1 mL	Arsenic	2 mg/L
							Barium	2 mg/L
							Beryllium	2 mg/L
							Cadmium	2 mg/L
							Chromium	2 mg/L
							Cobalt	2 mg/L
							Copper	2 mg/L
							Lead	2 mg/L
							Nickel	2 mg/L
							Selenium	2 mg/L
							Silver	1 mg/L
							Thallium	2 mg/L
							Vanadium	2 mg/L
							Zinc	2 mg/L
					ME ICP2 ICV1B_00033	1 mL	Antimony	2 mg/L
							Molybdenum	2 mg/L
.ME ICP2 ICV1A_00033	10/01/16	INORGANIC VENTURES, Lot J2-MEB598089			(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
.ME ICP2 ICV1B_00033	10/01/16	INORGANIC VENTURES, Lot J2-MEB598090			(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
ME ICP IFA_01259	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM 00005	0.5 mL	Ca	600 mg/L
					ME Al Std 00006	0.5 mL	Al	600 mg/L
					ME FE 10K PPM 00006	2 mL	Fe	600 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600 mg/L
							Ca	600 mg/L
							Fe	600 mg/L
							Mg	600 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.CALCIUM_00005	12/31/16		o2si, Lot 1077105		ME MG 00004	0.5 mL	Mg	600 mg/L
.ME Al Std 00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Ca	10000 mg/L
.ME FE 10K PPM 00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Al	10000 ppm
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Fe	10000 mg/L
							Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME MG 00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
ME ICP IFB_01279	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM_00005	0.5 mL	Ca	600.5 mg/L
					ME Al Std_00006	0.5 mL	Al	600.5 mg/L
					ME FE 10K PPM 00006	2 mL	Fe	600.5 mg/L
					ME ICP SPKE A_00021	0.25 mL	Antimony	0.5 mg/L
							Arsenic	0.5 mg/L
							Beryllium	0.5 mg/L
							Ca	600.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Fe	600.5 mg/L
							Lead	0.5 mg/L
							Li	0.5 mg/L
							Mg	600.5 mg/L
							Mn	0.5 mg/L
							Molybdenum	0.5 mg/L
							Nickel	0.5 mg/L
							Selenium	0.5 mg/L
							Sn	0.5 mg/L
							Sr	0.5 mg/L
							Thallium	0.5 mg/L
							Ti	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
					ME ICP SPKE B_00020	0.25 mL	Al	600.5 mg/L
							B	0.5 mg/L
							Barium	0.5 mg/L
							K	10 mg/L
							Si	2.5 mg/L
							Silver	0.25 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600.5 mg/L
							Ca	600.5 mg/L
							Fe	600.5 mg/L
							Mg	600.5 mg/L
					ME K_00005	0.25 mL	K	10 mg/L
					ME MG_00004	0.5 mL	Mg	600.5 mg/L
					ME TUNGSTEN_00014	0.25 mL	W	0.5 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.CALCIUM 00005	12/31/16		o2si, Lot 1077105		ME ZR 100ppm 00001	0.25 mL	Zr	0.5 mg/L
.ME Al Std 00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Ca	10000 mg/L
.ME FE 10K PPM 00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Al	10000 ppm
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Fe	10000 mg/L
							Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Ca	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Fe	100 ug/mL
							Lead	100 ug/mL
							Li	100 ug/mL
							Mg	100 ug/mL
							Mn	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sn	100 ug/mL
							Sr	100 ug/mL
							Thallium	100 ug/mL
							Ti	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)		Al	100 ug/mL
							B	100 ug/mL
							Barium	100 ug/mL
							K	1000 ug/mL
							Si	500 ug/mL
							Silver	50 ug/mL
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME K 00005	01/01/17		02SI, Lot 1077141		(Purchased Reagent)		K	1000 mg/L
.ME MG 00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
.ME TUNGSTEN 00014	10/27/18		Inorganic Ventures, Lot J2-W02031		(Purchased Reagent)		W	100 ppm
.ME ZR 100ppm_00001	12/01/16		Inorganic Ventures, Lot J2-MEB596019		(Purchased Reagent)		Zr	100 ug/mL
ME ICP STD3_01238	04/15/16	04/14/16	1%HNO3/2%HCL, Lot 211065110	100 mL	ME ICP SPKE A_00021	1 mL	Antimony	1 ug/mL
							Arsenic	1 ug/mL
							Beryllium	1 ug/mL
							Cadmium	1 ug/mL
							Chromium	1 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	1 ug/mL
							Molybdenum	1 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	1 ug/mL
					ME ICP SPKE B_00020	1 mL	Barium	1 ug/mL
							Silver	0.5 ug/mL
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Thallium	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)		Barium	100 ug/mL
							Silver	50 ug/mL
ME ICP2 ICV1A_00038	01/01/17		INORGANIC VENTURES, Lot J2-MEB598089		(Purchased Reagent)		Al	100 mg/L
							Arsenic	100 mg/L
							B	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Ca	500 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Fe	100 mg/L
							K	1000 mg/L
							Lead	100 mg/L
							Li	100 mg/L
							Mg	500 mg/L
							Mn	100 mg/L
							Na	1000 mg/L
							Nickel	100 mg/L
							P	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Sr	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ME ICP2 ICV1B_00036	01/01/17	INORGANIC VENTURES, Lot J2-MEB598090			(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
							Si	500 mg/L
							SiO2	1071.15 mg/L
							Sn	100 mg/L
							Ti	100 mg/L
							W	100 mg/L
							Zr	100 mg/L
ME K2S2O8_00058	10/21/16	03/21/16	Di Water, Lot n/a	2 L	ME K2S2O8_00057	100 g	Stock Chemical	5 %
.ME K2S2O8_00057	01/15/25		sigma-aldrich, Lot mkbv6966v		(Purchased Reagent)		Stock Chemical	100 %
ME KMN04_00141	07/21/16	03/21/16	Di Water, Lot n/a	6 L	ME KMN04_00024	300 g	Stock Chemical	5 %
.ME KMNO4_00024	10/07/16		Fisher, Lot 149371		(Purchased Reagent)		Stock Chemical	100 %
SVWCE_1__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	2.5 uL	1-Methylnaphthalene	0.05 ug/mL
							2-Methylnaphthalene	0.05 ug/mL
							Acenaphthene	0.05 ug/mL
							Acenaphthylene	0.05 ug/mL
							Anthracene	0.05 ug/mL
							Benzo[a]anthracene	0.05 ug/mL
							Benzo[a]pyrene	0.05 ug/mL
							Benzo[b]fluoranthene	0.05 ug/mL
							Benzo[g,h,i]perylene	0.05 ug/mL
							Benzo[k]fluoranthene	0.05 ug/mL
							Chrysene	0.05 ug/mL
							Dibenz(a,h)anthracene	0.05 ug/mL
							Fluoranthene	0.05 ug/mL
							Fluorene	0.05 ug/mL
							Indeno[1,2,3-cd]pyrene	0.05 ug/mL
							Naphthalene	0.05 ug/mL
							Phenanthrene	0.05 ug/mL
							Pyrene	0.05 ug/mL
							2-Fluorobiphenyl (Surr)	0.05 ug/mL
							Nitrobenzene-d5	0.05 ug/mL
							Terphenyl-d14	0.05 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_2_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	5 uL	1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5	0.1 ug/mL
							Terphenyl-d14	0.1 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16	Restek, Lot A095886			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16	Restek, Lot A0111094			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16	Restek, Lot A0109360			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_3__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	12.5 uL	1-Methylnaphthalene	0.25 ug/mL
							2-Methylnaphthalene	0.25 ug/mL
							Acenaphthene	0.25 ug/mL
							Acenaphthylene	0.25 ug/mL
							Anthracene	0.25 ug/mL
							Benzo[a]anthracene	0.25 ug/mL
							Benzo[a]pyrene	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	0.25 ug/mL
							Benzo[g,h,i]perylene	0.25 ug/mL
							Benzo[k]fluoranthene	0.25 ug/mL
							Chrysene	0.25 ug/mL
							Dibenz(a,h)anthracene	0.25 ug/mL
							Fluoranthene	0.25 ug/mL
							Fluorene	0.25 ug/mL
							Indeno[1,2,3-cd]pyrene	0.25 ug/mL
							Naphthalene	0.25 ug/mL
							Phenanthrene	0.25 ug/mL
							Pyrene	0.25 ug/mL
							2-Fluorobiphenyl (Surr)	0.25 ug/mL
							Nitrobenzene-d5	0.25 ug/mL
							Terphenyl-d14	0.25 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
Perylene-d12	0.5 ug/mL							
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
					Fluorene	20 ug/mL		
					Indeno[1,2,3-cd]pyrene	20 ug/mL		
					Naphthalene	20 ug/mL		
					Phenanthrene	20 ug/mL		
Pyrene	20 ug/mL							
SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL					
		Nitrobenzene-d5	20 ug/mL					
		Terphenyl-d14	20 ug/mL					
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_4__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	25 uL	1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVWIE_00017	20 uL	Nitrobenzene-d5	0.5 ug/mL
							Terphenyl-d14	0.5 ug/mL
							1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_5__00010	08/12/16	08/12/15	Methylene Chloride, Lot 100898	25 mL	SVICE_00009	1.25 mL	1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
					SVWIE_00017	500 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_6_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	125 uL	1-Methylnaphthalene	2.5 ug/mL
							2-Methylnaphthalene	2.5 ug/mL
							Acenaphthene	2.5 ug/mL
							Acenaphthylene	2.5 ug/mL
							Anthracene	2.5 ug/mL
							Benzo[a]anthracene	2.5 ug/mL
							Benzo[a]pyrene	2.5 ug/mL
							Benzo[b]fluoranthene	2.5 ug/mL
							Benzo[g,h,i]perylene	2.5 ug/mL
							Benzo[k]fluoranthene	2.5 ug/mL
							Chrysene	2.5 ug/mL
							Dibenz(a,h)anthracene	2.5 ug/mL
							Fluoranthene	2.5 ug/mL
							Fluorene	2.5 ug/mL
							Indeno[1,2,3-cd]pyrene	2.5 ug/mL
							Naphthalene	2.5 ug/mL
							Phenanthrene	2.5 ug/mL
							Pyrene	2.5 ug/mL
							2-Fluorobiphenyl (Surr)	2.5 ug/mL
							Nitrobenzene-d5	2.5 ug/mL
							Terphenyl-d14	2.5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16	Restek, Lot A095886			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16	Restek, Lot A0111094			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16	Restek, Lot A0109360			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_7__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	250 uL	1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Anthracene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Chrysene	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
Perylene-d12	0.5 ug/mL							
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
					Fluorene	20 ug/mL		
					Indeno[1,2,3-cd]pyrene	20 ug/mL		
					Naphthalene	20 ug/mL		
					Phenanthrene	20 ug/mL		
Pyrene	20 ug/mL							
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886			(Purchased Reagent)	1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_8_00004	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	500 uL	1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Chrysene	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVWIE_00017	20 uL	Nitrobenzene-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_9__00003	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	1 mL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
.SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWLE_00010	11/03/16	11/03/15	80:20 MeCl2:MeOH, Lot 100898/62345	1000 mL	SVSCE_00001	1 mL	1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo(b) fluoranthene / Benzo(k) fluoranthene	4 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
.SVSCE_00001	11/03/16		Restek, Lot A092153		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo(b) fluoranthene / Benzo(k) fluoranthene	4000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	2000 ug/mL
							Dibenz (a,h) anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
SVWSE_00015	11/06/16	11/06/15	80:20 MeCl2:MeOH, Lot 100898/62345	2000 mL	SVSSA_00002	0.8 mL	2,4,6-Tribromophenol	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Phenol-d5	2 ug/mL
							Phenol-d6	2.0408 ug/mL
							Terphenyl-d14	2 ug/mL
.SVSSA_00002	11/06/16		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5102 ug/mL
							Terphenyl-d14	5000 ug/mL
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVWIE_00017	100 uL	Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA_00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA_00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSSA_BN_00076	1 uL	2-Fluorobiphenyl (Surr)	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
					SVSXE_00001	2.5 uL	Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
.SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVSXE_00001	08/12/16		Restek, Lot A093990		(Purchased Reagent)		Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
VMWNU8260002_00227	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMWNU8260200_00083	10 uL	2-Chloroethyl vinyl ether	2 ug/mL
							Bromomethane	2 ug/mL
							Butadiene	2 ug/mL
							Chloroethane	2 ug/mL
							Chloromethane	2 ug/mL
							Dichlorodifluoromethane	2 ug/mL
							Dichlorofluoromethane	2 ug/mL
							Trichlorofluoromethane	2 ug/mL
							Vinyl chloride	2 ug/mL
							2-Butanone (MEK)	2 ug/mL
							2-Hexanone	2 ug/mL
							4-Methyl-2-pentanone (MIBK)	2 ug/mL
							Acetone	2 ug/mL
							1,1,1,2-Tetrachloroethane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	2 ug/mL
							1,1,2,2-Tetrachloroethane	2 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2 ug/mL
							1,1,2-Trichloroethane	2 ug/mL
							1,1-Dichloroethane	2 ug/mL
							1,1-Dichloroethene	2 ug/mL
							1,1-Dichloropropene	2 ug/mL
							1,2,3-Trichlorobenzene	2 ug/mL
							1,2,3-Trichloropropene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2,4-Trimethylbenzene	2 ug/mL
							1,2-Dibromo-3-Chloropropene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dichloroethane	2 ug/mL
							1,2-Dichloropropene	2 ug/mL
							1,3,5-Trimethylbenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dichloropropene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							2,2-Dichloropropene	2 ug/mL
							2-Chlorotoluene	2 ug/mL
							2-Methyl-2-propanol	20 ug/mL
							3-Chloro-1-propene	2 ug/mL
							4-Chlorotoluene	2 ug/mL
							4-Isopropyltoluene	2 ug/mL
							Acrylonitrile	20 ug/mL
							Benzene	2 ug/mL
							Bromobenzene	2 ug/mL
							Bromoform	2 ug/mL
							Carbon disulfide	2 ug/mL
							Carbon tetrachloride	2 ug/mL
							Chlorobenzene	2 ug/mL
							Chlorobromomethane	2 ug/mL
							Chlorodibromomethane	2 ug/mL
							Chloroform	2 ug/mL
							cis-1,2-Dichloroethene	2 ug/mL
							cis-1,3-Dichloropropene	2 ug/mL
							Cyclohexane	2 ug/mL
							Dibromomethane	2 ug/mL
							Dichlorobromomethane	2 ug/mL
							Ethyl ether	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Ethylbenzene	2 ug/mL
							Ethylene Dibromide	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexane	2 ug/mL
							Iodomethane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	50 ug/mL
							Isopropylbenzene	2 ug/mL
							m,p-Xylene	2 ug/mL
							Methyl tert-butyl ether	2 ug/mL
							Methylene Chloride	2 ug/mL
							n-Butylbenzene	2 ug/mL
							n-Heptane	2 ug/mL
							N-Propylbenzene	2 ug/mL
							Naphthalene	2 ug/mL
							o-Xylene	2 ug/mL
							sec-Butylbenzene	2 ug/mL
							Styrene	2 ug/mL
							tert-Butylbenzene	2 ug/mL
							Tetrachloroethene	2 ug/mL
							Tetrahydrofuran	4 ug/mL
							Toluene	2 ug/mL
							trans-1,2-Dichloroethene	2 ug/mL
							trans-1,3-Dichloropropene	2 ug/mL
							trans-1,4-Dichloro-2-butene	2 ug/mL
							Trichloroethene	2 ug/mL
							Vinyl acetate	2 ug/mL
							Acrolein	2 ug/mL
							Acetonitrile	20 ug/mL
							Ethanol	100 ug/mL
							Isopropyl ether	2 ug/mL
							Propionitrile	20 ug/mL
							Tert-amyl methyl ether	2 ug/mL
							Tert-butyl ethyl ether	2 ug/mL
.VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VMA158260MEG1_00019	80 uL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							trans-1,4-Dichloro-2-butene	200 ug/mL
							Trichloroethene	200 ug/mL
					VMA158260VA1_00019	40 uL	Vinyl acetate	200 ug/mL
					VMANU8260ACR1_00063	10 uL	Acrolein	200 ug/mL
					VMANU8260POL1_00004	100 uL	Acetonitrile	2000 ug/mL
..VMA158260CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		Ethanol	10000 ug/mL
							Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							2-Chloroethyl vinyl ether	2500 ug/mL
							Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
..VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
..VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
..VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
..VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
..VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VMA158260MEG1_00019	80 uL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	200 ug/mL
							Trichloroethene	200 ug/mL
							VMA158260VA1_00019	40 uL
							VMA158260VA1_00019	40 uL
							VMANU8260ACR1_00063	10 uL
							VMANU8260ACR1_00063	10 uL
							VMANU8260POL1_00004	100 uL
							VMANU8260POL1_00004	100 uL
							Acetonitrile	2000 ug/mL
							Ethanol	10000 ug/mL
.VMA1582602CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							2-Chloroethyl vinyl ether	2500 ug/mL
							Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
.VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
.VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260CCV1_00408	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	20 uL	2-Chloroethyl vinyl ether	50 ug/mL
					VMA158260GAS1_00080	20 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
					VMA158260KET1_00013	4 uL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
					VMA158260MEG1_00019	20 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VMA158260VA1_00019	8 uL	Vinyl acetate	40 ug/mL
					VMANU8260ACR1_00063	2.5 uL	Acrolein	50 ug/mL
					VMANU8260POL1_00004	25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
.VMA1582602CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
.VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropene	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropene	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260CCV1_00414	04/12/16	04/05/16	Methanol, Lot 3272619	1 mL	VMA158260MEG1_00019	20 uL	Benzene	50 ug/mL
							Ethylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							o-Xylene	50 ug/mL
							Toluene	50 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260IS_00100	04/15/16	03/15/16	Methanol, Lot 3211634	1 mL	VMANU8260ISD1_00094	20 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00099	25 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00094	09/15/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00099	09/15/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260ISD1_00095	800 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00097	1000 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00095	09/24/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00097	09/24/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260SUR2_00018	800 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMANU8260SUR2_00018	09/17/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNU8260LCS2_00070	04/06/16	03/30/16	Methanol, Lot 3211630	10 mL	VMA158260MEG2_00020	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00020	09/09/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260LCS2_00071	04/13/16	04/06/16	Methanol, Lot 3272619	10 mL	VMA158260MEG2_00021	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00021	10/06/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2500 ug/mL
VMWNUSURR200_00082	04/29/16	03/29/16	Methanol, Lot 3211630	1 mL	VMANU8260SUR1_00038	80 uL	1,2-Dichloroethane-d4 (Surr)	200 ug/mL
							4-Bromofluorobenzene (Surr)	200 ug/mL
							Dibromofluoromethane (Surr)	200 ug/mL
							Toluene-d8 (Surr)	200 ug/mL
.VMANU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNUSURR50_00082	04/29/16	03/29/16	Methanol, Lot 3211630	1 mL	VMANU8260SUR1_00038	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMANU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Method 8260B Low Level

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-VRX A ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
MW-02	440-143184-1	106	96	105
MW-12	440-143184-2	107	104	90
MW-14	440-143184-3	104	108	96
MW-16	440-143184-4	111	108	135
MW-17	440-143184-5	102	107	98
MW-18	440-143184-6	100	108	99
MW-21	440-143184-7	101	104	98
	MB 440-323348/4	111	100	113
	LCS 440-323348/5	103	85	96
MW-16 MS	440-143184-4 MS	114	90	98
MW-16 MSD	440-143184-4 MSD	111	100	83

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	76-132
TOL = Toluene-d8 (Surr)	80-128
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: XED11005.D
Lab ID: LCS 440-323348/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.6	98	68-130	
Ethylbenzene	25.0	29.5	118	70-130	
m,p-Xylene	25.0	25.2	101	70-130	
o-Xylene	25.0	26.7	107	70-130	
Toluene	25.0	21.3	85	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: XED11009.D
Lab ID: 440-143184-4 MS Client ID: MW-16 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	28.2	113	66-130	
Ethylbenzene	25.0	ND	27.6	111	70-130	
m,p-Xylene	25.0	ND	29.2	117	70-133	
o-Xylene	25.0	ND	34.5	138	70-133	M1
Toluene	25.0	ND	24.3	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: XED11010.D
 Lab ID: 440-143184-4 MSD Client ID: MW-16 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	26.2	105	7	20	66-130	
Ethylbenzene	25.0	26.0	104	6	20	70-130	
m,p-Xylene	25.0	26.2	105	11	25	70-133	
o-Xylene	25.0	27.2	109	24	20	70-133	R6
Toluene	25.0	25.7	103	6	20	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab File ID: XED1104.D Lab Sample ID: MB 440-323348/4
 Matrix: Water Heated Purge: (Y/N) Y
 Instrument ID: GCMS59 Date Analyzed: 04/11/2016 08:40
 GC Column: DB-VRX A ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-323348/5	XED11005.D	04/11/2016 09:07
MW-16	440-143184-4	XED11008.D	04/11/2016 11:08
MW-16 MS	440-143184-4 MS	XED11009.D	04/11/2016 11:35
MW-16 MSD	440-143184-4 MSD	XED11010.D	04/11/2016 12:03
MW-02	440-143184-1	XED11011.D	04/11/2016 12:31
MW-12	440-143184-2	XED11012.D	04/11/2016 12:58
MW-14	440-143184-3	XED11013.D	04/11/2016 13:26
MW-17	440-143184-5	XED11014.D	04/11/2016 13:53
MW-18	440-143184-6	XED11015.D	04/11/2016 14:21
MW-21	440-143184-7	XED11016.D	04/11/2016 14:48

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab File ID: XEC30008.D BFB Injection Date: 03/30/2016
 Instrument ID: GCMS59 BFB Injection Time: 13:22
 Analysis Batch No.: 321171

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.6
75	30.0 - 60.0 % of mass 95	55.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	77.7
175	5.0 - 9.0 % of mass 174	6.1 (7.9) 1
176	95.0 - 101.0 % of mass 174	76.0 (97.9) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 440-321171/4	XEC30011.D	03/30/2016	14:43
	STD035 440-321171/5	XEC30012.D	03/30/2016	15:10
	STD05 440-321171/6	XEC30013.D	03/30/2016	15:37
	STD1 440-321171/7	XEC30014.D	03/30/2016	16:04
	STD2 440-321171/8	XEC30015.D	03/30/2016	16:32
	STD5 440-321171/9	XEC30016.D	03/30/2016	16:59
	STD10 440-321171/10	XEC30017.D	03/30/2016	17:27
	ICIS 440-321171/11	XEC30018.D	03/30/2016	17:54
	STD50 440-321171/12	XEC30019.D	03/30/2016	18:22
	STD100 440-321171/13	XEC30020.D	03/30/2016	18:49
	STD200 440-321171/14	XEC30021.D	03/30/2016	19:16
	STD300 440-321171/15	XEC30022.D	03/30/2016	19:44
	ICV 440-321171/18	XEC30025.D	03/30/2016	21:06

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Lab File ID: XED11001.D BFB Injection Date: 04/11/2016
Instrument ID: GCMS59 BFB Injection Time: 06:03
Analysis Batch No.: 323348

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.9
75	30.0 - 60.0 % of mass 95	53.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	77.9
175	5.0 - 9.0 % of mass 174	6.0 (7.7) 1
176	95.0 - 101.0 % of mass 174	76.0 (97.5) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 440-323348/7	XED11007.D	04/11/2016	08:12
	MB 440-323348/4	XED1104.D	04/11/2016	08:40
	LCS 440-323348/5	XED11005.D	04/11/2016	09:07
MW-16	440-143184-4	XED11008.D	04/11/2016	11:08
MW-16 MS	440-143184-4 MS	XED11009.D	04/11/2016	11:35
MW-16 MSD	440-143184-4 MSD	XED11010.D	04/11/2016	12:03
MW-02	440-143184-1	XED11011.D	04/11/2016	12:31
MW-12	440-143184-2	XED11012.D	04/11/2016	12:58
MW-14	440-143184-3	XED11013.D	04/11/2016	13:26
MW-17	440-143184-5	XED11014.D	04/11/2016	13:53
MW-18	440-143184-6	XED11015.D	04/11/2016	14:21
MW-21	440-143184-7	XED11016.D	04/11/2016	14:48

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: ICIS 440-321171/11 Date Analyzed: 03/30/2016 17:54
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XEC30018.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	656380	3.65	1312752	6.85	1035801	10.13	
UPPER LIMIT	1312760	3.95	2625504	7.15	2071602	10.43	
LOWER LIMIT	328190	3.35	656376	6.55	517901	9.83	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321171/18		946389	3.65	1864406	6.85	1452095	10.13
CCVIS 440-323348/7		474603	3.65	958590	6.85	962317	10.13

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: ICIS 440-321171/11 Date Analyzed: 03/30/2016 17:54
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XEC30018.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

	DCB					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	582689	13.41				
UPPER LIMIT	1165378	13.71				
LOWER LIMIT	291345	13.11				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321171/18		781747 13.41				
CCVIS 440-323348/7		508171 13.41				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323348/7 Date Analyzed: 04/11/2016 08:12
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XED11007.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	474603	3.65	958590	6.85	962317	10.13	
UPPER LIMIT	949206	3.95	1917180	7.15	1924634	10.43	
LOWER LIMIT	237302	3.35	479295	6.55	481159	9.83	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-323348/4		609927	3.65	1067954	6.85	893120	10.13
LCS 440-323348/5		429839	3.65	1005407	6.85	952274	10.13
440-143184-4	MW-16	412214	3.65	988836	6.85	825026	10.13
440-143184-4 MS	MW-16 MS	429935	3.65	923713	6.85	879159	10.13
440-143184-4 MSD	MW-16 MSD	480179	3.65	953742	6.85	800670	10.13
440-143184-1	MW-02	377908	3.65	771254	6.85	677458	10.13
440-143184-2	MW-12	439986	3.66	1226277	6.85	981948	10.13
440-143184-3	MW-14	509173	3.65	1381330	6.85	1104883	10.13
440-143184-5	MW-17	830426	3.65	1667530	6.85	1189436	10.13
440-143184-6	MW-18	674885	3.65	1610170	6.85	1200594	10.13
440-143184-7	MW-21	575405	3.65	1913900	6.85	1472471	10.13

TBA = TBA-d9 (IS)
 TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323348/7 Date Analyzed: 04/11/2016 08:12
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XED11007.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		508171	13.41				
UPPER LIMIT		1016342	13.71				
LOWER LIMIT		254086	13.11				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-323348/4		475782	13.41				
LCS 440-323348/5		473334	13.41				
440-143184-4	MW-16	445066	13.41				
440-143184-4 MS	MW-16 MS	512677	13.41				
440-143184-4 MSD	MW-16 MSD	551368	13.41				
440-143184-1	MW-02	398629	13.41				
440-143184-2	MW-12	657070	13.41				
440-143184-3	MW-14	705390	13.41				
440-143184-5	MW-17	690741	13.41				
440-143184-6	MW-18	644825	13.41				
440-143184-7	MW-21	823055	13.41				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-02 Lab Sample ID: 440-143184-1
 Matrix: Water Lab File ID: XED11011.D
 Analysis Method: 8260B Date Collected: 03/31/2016 14:41
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 12:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	1.0		0.50	
100-41-4	Ethylbenzene	31		0.50	
179601-23-1	m,p-Xylene	2.6		1.0	
95-47-6	o-Xylene	5.5		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	8.1		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		76-132
2037-26-5	Toluene-d8 (Surr)	96		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 440-143184-2
 Matrix: Water Lab File ID: XED11012.D
 Analysis Method: 8260B Date Collected: 03/31/2016 16:10
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 12:58
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		5.0	
100-41-4	Ethylbenzene	ND		5.0	
179601-23-1	m,p-Xylene	ND		10	
95-47-6	o-Xylene	ND		5.0	
108-88-3	Toluene	ND		5.0	
1330-20-7	Xylenes, Total	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	107		76-132
2037-26-5	Toluene-d8 (Surr)	104		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-14 Lab Sample ID: 440-143184-3
 Matrix: Water Lab File ID: XED11013.D
 Analysis Method: 8260B Date Collected: 03/31/2016 17:55
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 13:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	4.3		0.50	
100-41-4	Ethylbenzene	3.1		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	1.6		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	1.6		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		76-132
2037-26-5	Toluene-d8 (Surr)	108		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-16 Lab Sample ID: 440-143184-4
 Matrix: Water Lab File ID: XED11008.D
 Analysis Method: 8260B Date Collected: 03/31/2016 09:20
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 11:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	135		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		76-132
2037-26-5	Toluene-d8 (Surr)	108		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-17 Lab Sample ID: 440-143184-5
 Matrix: Water Lab File ID: XED11014.D
 Analysis Method: 8260B Date Collected: 03/31/2016 10:35
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 13:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		76-132
2037-26-5	Toluene-d8 (Surr)	107		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-18 Lab Sample ID: 440-143184-6
 Matrix: Water Lab File ID: XED11015.D
 Analysis Method: 8260B Date Collected: 03/31/2016 12:06
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 14:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	32		0.50	
100-41-4	Ethylbenzene	69		0.50	
179601-23-1	m,p-Xylene	4.0		1.0	
95-47-6	o-Xylene	2.5		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	6.5		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		76-132
2037-26-5	Toluene-d8 (Surr)	108		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-21 Lab Sample ID: 440-143184-7
 Matrix: Water Lab File ID: XED11016.D
 Analysis Method: 8260B Date Collected: 04/01/2016 12:22
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 14:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		76-132
2037-26-5	Toluene-d8 (Surr)	104		80-128

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321171/4	XEC30011.D
Level 2	STD035 440-321171/5	XEC30012.D
Level 3	STD05 440-321171/6	XEC30013.D
Level 4	STD1 440-321171/7	XEC30014.D
Level 5	STD2 440-321171/8	XEC30015.D
Level 6	STD5 440-321171/9	XEC30016.D
Level 7	STD10 440-321171/10	XEC30017.D
Level 8	ICIS 440-321171/11	XEC30018.D
Level 9	STD50 440-321171/12	XEC30019.D
Level 10	STD100 440-321171/13	XEC30020.D
Level 11	STD200 440-321171/14	XEC30021.D
Level 12	STD300 440-321171/15	XEC30022.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorodifluoromethane	+++++ 0.6160 0.5844	+++++ 0.6751 0.5221	0.5678 0.6429	0.5338 0.5671	0.5920 0.5769	Ave		0.5878				8.0		15.0			
Chloromethane	+++++ 0.4529 0.4195	+++++ 0.4428 0.3517	0.3996 0.4592	0.4286 0.4018	0.4105 0.4131	Ave		0.4180			0.1000	7.4		15.0			
Vinyl chloride	+++++ 0.4661 0.4532	0.4226 0.4982 0.3892	0.4188 0.4961	0.4546 0.4369	0.4715 0.4507	Ave		0.4507				7.3		30.0			
1,3-Butadiene	+++++ 0.3867 0.3937	+++++ 0.4107 0.3252	0.3778 0.4261	0.3849 0.3855	0.3913 0.3874	Ave		0.3869				6.7		15.0			
Bromomethane	+++++ 0.2436 0.2454	+++++ 0.2503 0.2222	0.2283 0.2541	0.2061 0.2343	0.2148 0.2402	Ave		0.2339				6.8		15.0			
Chloroethane	+++++ 0.2345 0.2299	+++++ 0.2363 0.2048	0.2045 0.2408	0.1950 0.2218	0.2328 0.2235	Ave		0.2224				7.1		15.0			
Ethanol	+++++ 0.0995 0.1044	+++++ 0.0994 0.0951	+++++ 0.1099	+++++ 0.0932	0.1112 0.1001	Ave		0.1016				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorofluoromethane	+++++ 0.6821 0.6366	+++++ 0.7035 0.5499	0.7142 0.6965	0.6713 0.6333	0.6707 0.6434	Ave		0.6602				7.2		15.0			
Acrolein	+++++ 0.0274 0.0367	+++++ 0.0310 0.0333	+++++ 0.0354	+++++ 0.0352	0.0230 0.0361	Ave		0.0323				15.0		15.0			
Trichlorofluoromethane	+++++ 0.7557 0.7259	+++++ 0.7825 0.6486	0.6649 0.7742	0.7538 0.6974	0.7679 0.7236	Ave		0.7295				6.4		15.0			
Acetonitrile	+++++ 0.0314 0.0348	+++++ 0.0353 0.0323	+++++ 0.0388	+++++ 0.0334	0.0408 0.0371	Ave		0.0355				9.1		15.0			
Acetone	+++++ 0.0748 0.1081	+++++ 0.0831 0.0978	+++++ 0.0945	+++++ 0.1105	+++++ 0.1154	Lin2	-0.180	0.1075							0.9940		0.9900
Diethyl ether	+++++ 0.2049 0.2129	+++++ 0.2143 0.1984	+++++ 0.2186	0.1986 0.2080	0.1863 0.2176	Ave		0.2066				5.2		15.0			
1,1-Dichloroethene	+++++ 0.2523 0.2772	+++++ 0.2814 0.2569	0.2589 0.2716	0.2711 0.2592	0.2600 0.2649	Ave		0.2654				3.6		30.0			
Iodomethane	+++++ 0.4660 0.4514	+++++ 0.4699 0.4104	0.4506 0.4824	0.4653 0.4416	0.4490 0.4483	Ave		0.4535				4.3		15.0			
tert-Butyl alcohol (TBA)	+++++ 1.0171 1.2007	+++++ 1.1453 1.1096	1.0859 1.1991	1.1512 1.1610	1.1864 1.1949	Ave		1.1451				5.2		15.0			
Acrylonitrile	0.0649 0.0983 0.0926	0.0879 0.1130 +++++	0.0940 0.1121	0.1090 0.1081	0.1175 0.1052	Ave		0.1002				15.0		15.0			
Methylene Chloride	+++++ 0.2443 0.2387	+++++ 0.2521 0.2448	+++++ 0.2692	0.2740 0.2523	0.2441 0.2564	Ave		0.2529				4.7		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3388 0.3623	+++++ 0.3813 0.3284	0.3537 0.3676	0.3449 0.3395	0.3458 0.3475	Ave		0.3510				4.5		15.0			
Allyl chloride	+++++ 0.4090 0.3883	+++++ 0.4438 0.3514	+++++ 0.4288	0.3693 0.3972	0.4049 0.3891	Ave		0.3980				7.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Carbon disulfide	+++++ 0.9180 0.8568	+++++ 0.9651 0.7526	0.9160 0.9324	0.8895 0.8570	0.8405 0.8701	Ave		0.8798				6.8		15.0			
trans-1,2-Dichloroethene	+++++ 0.2563 0.2683	0.2550 0.2866 0.2501	0.2305 0.2728	0.2302 0.2550	0.2749 0.2608	Ave		0.2582				6.8		15.0			
Methyl-t-Butyl Ether (MTBE)	+++++ 0.7546 0.7502	+++++ 0.7841 0.6534	0.6902 0.8036	0.7184 0.7743	0.7761 0.8028	Ave		0.7508				6.6		15.0			
1,1-Dichloroethane	+++++ 0.5202 0.5053	+++++ 0.5442 0.4578	0.4829 0.5305	0.5145 0.4953	0.5273 0.5063	Ave		0.5084		0.1000		5.0		15.0			
Propionitrile	+++++ 0.0389 0.0440	+++++ 0.0481 0.0400	+++++ 0.0481	+++++ 0.0461	0.0492 0.0470	Ave		0.0452				8.6		15.0			
Vinyl acetate	+++++ 0.3621 0.4301	+++++ 0.3945 0.3537	+++++ 0.4075	+++++ 0.4346	0.3579 0.4082	Ave		0.3936				8.2		15.0			
Hexane	+++++ 0.4659 0.4861	+++++ 0.4937 0.4425	+++++ 0.4993	0.3949 0.4633	0.4361 0.4757	Ave		0.4619				7.1		15.0			
2-Butanone (MEK)	+++++ 0.0129 0.0370	+++++ 0.0293 0.0339	+++++ 0.0314	+++++ 0.0369	0.0175 0.0384	Lin1	-0.057	0.0360							0.9960		0.9900
Isopropyl Ether (DIPE)	+++++ 0.7606 0.7159	+++++ 0.8172 0.6365	0.7221 0.8064	0.6719 0.7289	0.7418 0.7411	Ave		0.7342				7.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.2688 0.2726	0.2321 0.2849 0.2552	0.2371 0.2774	0.2706 0.2640	0.2473 0.2680	Ave		0.2616				6.4		15.0			
Bromochloromethane	+++++ 0.1329 0.1301	+++++ 0.1367 0.1217	0.1370 0.1346	0.1301 0.1258	0.1342 0.1291	Ave		0.1312				3.7		15.0			
Chloroform	+++++ 0.5073 0.4982	+++++ 0.5392 0.4442	0.4681 0.5297	0.5029 0.5025	0.5480 0.5041	Ave		0.5044				6.2		30.0			
2,2-Dichloropropane	+++++ 0.4151 0.3659	+++++ 0.4351 0.3236	0.4011 0.4127	0.4378 0.3814	0.4340 0.3676	Ave		0.3974				9.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Ethyl-t-butyl ether (ETBE)	++++ 0.8443 0.8108	++++ 0.8780 0.7064	0.7997 0.9166	0.7061 0.8481	0.8586 0.8591	Ave		0.8228				8.4		15.0			
Isobutyl alcohol	++++ 0.3264 0.4063	++++ 0.3805 0.3721	0.2102 0.3913	0.2947 0.3728	0.3332 0.4012	Lin2	-2.223	0.3834							0.9970		0.9900
Tetrahydrofuran	++++ 0.0829 0.0894	++++ 0.0988 0.0832	++++ 0.0951	++++ 0.0936	0.1021 0.0965	Ave		0.0927				7.5		15.0			
1,2-Dichloroethane	++++ 0.4567 0.4196	++++ 0.4178 0.4574 0.3666	0.4589 0.4609	0.4483 0.4312	0.4665 0.4393	Ave		0.4385				6.7		15.0			
1,1,1-Trichloroethane	++++ 0.5822 0.5661	++++ 0.5934 0.4963	0.5514 0.5940	0.5242 0.5556	0.5723 0.5657	Ave		0.5601				5.5		15.0			
1,1-Dichloropropene	++++ 0.3733 0.4067	++++ 0.4020 0.3725	0.3582 0.4105	0.3622 0.3896	0.3761 0.4028	Ave		0.3854				5.0		15.0			
Cyclohexane	++++ 0.5360 0.5469	++++ 0.5566 0.4996	++++ 0.5567	0.5188 0.5239	0.5587 0.5408	Ave		0.5376				3.8		15.0			
Carbon tetrachloride	++++ 0.5332 0.5433	++++ 0.5738 0.4732	0.5034 0.5774	0.5463 0.5400	0.5665 0.5479	Ave		0.5405				5.9		15.0			
Benzene	++++ 0.9745 0.8667	++++ 1.0046 ++++	0.9637 0.9990	1.0222 0.9181	0.9546 0.9303	Ave		0.9593				5.1		15.0			
Tert-amyl-methyl ether (TAME)	++++ 0.7395 0.6677	++++ 0.7322 ++++	1.4649 0.7362	1.0257 0.6863	0.8838 0.7038	Lin2	0.3805	0.6851							0.9980		0.9900
Dibromomethane	++++ 0.1550 0.1612	++++ 0.1626 0.1510	0.1355 0.1601	0.1674 0.1580	0.1545 0.1610	Ave		0.1566				5.6		15.0			
n-Heptane	++++ 0.4171 0.4361	++++ 0.4561 0.3905	0.4076 0.4689	0.4173 0.4342	0.4396 0.4416	Ave		0.4309				5.4		15.0			
1,2-Dichloropropane	++++ 0.2425 0.2499	++++ 0.2524 0.2337	0.2563 0.2497	0.2310 0.2394	0.2702 0.2465	Ave		0.2472				4.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Trichloroethene	+++++ 0.2946 0.2995	+++++ 0.3125 0.2775	0.3206 0.3089	0.2943 0.2877	0.3289 0.3024	Ave		0.3027				5.1		15.0			
Bromodichloromethane	+++++ 0.3997 0.3975	+++++ 0.4025 0.3512	0.3921 0.4036	0.3759 0.3861	0.3813 0.4002	Ave		0.3890				4.2		15.0			
2-Chloroethyl vinyl ether	+++++ 0.1413 0.1586	+++++ 0.1567 0.1415	+++++ 0.1607	+++++ 0.1595	0.1375 0.1754	Ave		0.1539				8.3		15.0			
cis-1,3-Dichloropropene	+++++ 0.4966 0.4545	+++++ 0.5181 +++++	0.4275 0.5085	0.4671 0.4766	0.4881 0.5098	Ave		0.4830				6.1		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.2690 0.3122	+++++ 0.3019 0.2623	+++++ 0.3226	+++++ 0.3378	0.3369 0.3650	Ave		0.3134				11.2		15.0			
trans-1,3-Dichloropropene	+++++ 0.4868 0.4532	+++++ 0.5005 +++++	0.4091 0.4978	0.4509 0.4709	0.4698 0.5059	Ave		0.4717				6.5		15.0			
1,1,2-Trichloroethane	+++++ 0.2195 0.1994	+++++ 0.2167 0.1703	0.1839 0.2144	0.2128 0.1980	0.2357 0.2180	Ave		0.2069				9.3		15.0			
Toluene	+++++ 1.4294 +++++	+++++ 1.4802 +++++	1.3182 1.4112	1.2958 1.2485	1.4908 1.2795	Ave		1.3692				6.9		30.0			
1,3-Dichloropropane	+++++ 0.4455 0.4067	+++++ 0.4880 +++++	0.3846 0.4472	0.4799 0.4294	0.5027 0.4582	Ave		0.4491				8.5		15.0			
Ethyl methacrylate	+++++ 0.3024 0.3551	+++++ 0.3593 0.2999	+++++ 0.3821	+++++ 0.3641	0.3161 0.3992	Ave		0.3473				10.7		15.0			
2-Hexanone	+++++ 0.1697 0.2543	+++++ 0.2344 +++++	+++++ 0.2480	+++++ 0.2742	0.2260 0.2992	Lin1	-0.210	0.2699							0.9930		0.9900
Dibromochloromethane	+++++ 0.3826 0.3569	+++++ 0.4005 +++++	0.3668 0.3883	0.3737 0.3645	0.4035 0.3975	Ave		0.3816				4.5		15.0			
1,2-Dibromoethane (EDB)	+++++ 0.2974 0.2754	+++++ 0.3007 +++++	0.2472 0.2996	0.3084 0.2813	0.3242 0.3045	Ave		0.2932				7.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Tetrachloroethene	++++ 0.3177 0.2830	++++ 0.3436 ++++	0.3095 0.3256	0.2995 0.2874	0.3349 0.3057	Ave		0.3119				6.6		15.0			
1,1,1,2-Tetrachloroethane	++++ 0.3838 0.3596	++++ 0.3971 ++++	0.3738 0.3863	0.4129 0.3583	0.3925 0.3880	Ave		0.3836				4.6		15.0			
Chlorobenzene	++++ 0.9591 0.7700	++++ 1.0063 ++++	1.0189 0.9453	1.0283 0.8477	0.9891 0.8918	Ave		0.9396			0.3000	9.3		15.0			
Ethylbenzene	++++ 1.6558 ++++	++++ 1.7692 ++++	1.6325 1.7330	1.6352 1.5495	1.7002 1.5789	Ave		1.6568				4.5		30.0			
m,p-Xylene	++++ 0.6156 0.5891	++++ 0.6960 ++++	0.5311 0.6472	0.5748 0.5949	0.6376 0.6400	Ave		0.6140				7.8		15.0			
Bromoform	++++ 0.2361 0.2498	++++ 0.2565 0.2072	0.2006 0.2566	0.2704 0.2457	0.2501 0.2768	Ave		0.2450			0.1000	10.0		15.0			
Styrene	++++ 0.9522 0.8684	++++ 1.0089 ++++	0.7366 1.0218	0.7436 0.9434	0.8454 1.0018	Ave		0.9024				12.2		15.0			
1,1,2,2-Tetrachloroethane	++++ 0.6125 0.7068	++++ 0.6660 0.6281	0.5800 0.6777	0.6979 0.6994	0.6759 0.6996	Ave		0.6644			0.3000	6.5		15.0			
o-Xylene	++++ 0.6290 0.5787	0.5258 0.6690 ++++	0.5096 0.6496	0.5660 0.5908	0.5951 0.6419	Ave		0.5955				8.9		15.0			
1,2,3-Trichloropropane	++++ 0.5311 0.6203	++++ 0.5767 0.5634	0.6147 0.6092	0.6586 0.6159	0.6315 0.6268	Ave		0.6048				6.2		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.2226 0.3034	++++ 0.2498 0.2775	++++ 0.2813	++++ 0.2918	++++ 0.3034	Ave		0.2757				10.8		15.0			
Isopropylbenzene	++++ 1.7944 ++++	++++ 1.9449 ++++	1.6717 1.8513	1.5504 1.6955	1.7698 1.7419	Ave		1.7525				6.8		15.0			
Bromobenzene	++++ 0.7481 0.7848	++++ 0.7697 0.7134	0.6777 0.7611	0.6914 0.7695	0.7422 0.7717	Ave		0.7429				4.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
n-Propylbenzene	++++ 3.4756 2.9614	++++ 3.8049 ++++	3.2312 3.8283	3.1721 3.6381	3.2393 3.4816	Ave		3.4258				8.7		15.0			
2-Chlorotoluene	++++ 2.1772 2.1136	++++ 2.3735 ++++	2.1259 2.3641	2.0504 2.2689	2.1883 2.2672	Ave		2.2143				5.1		15.0			
4-Chlorotoluene	++++ 2.3651 2.1625	++++ 2.4037 ++++	2.0461 2.4957	2.1613 2.3604	2.2023 2.3571	Ave		2.2838				6.4		15.0			
1,3,5-Trimethylbenzene	++++ 2.6960 2.4749	++++ 2.9602 ++++	2.2955 2.9446	2.3010 2.8543	2.6077 2.7776	Ave		2.6569				9.6		15.0			
tert-Butylbenzene	++++ 2.3689 2.2917	++++ 2.6003 ++++	2.0925 2.6004	2.1421 2.5088	2.1929 2.4767	Ave		2.3638				8.2		15.0			
1,2,4-Trimethylbenzene	++++ 2.8347 2.4553	++++ 3.0053 ++++	2.3148 3.0138	2.3873 2.9085	2.6113 2.7643	Ave		2.6995				9.9		15.0			
sec-Butylbenzene	++++ 3.6235 ++++	++++ 3.8827 ++++	3.1076 3.8698	3.2823 3.6686	3.4203 3.4400	Ave		3.5369				7.8		15.0			
1,3-Dichlorobenzene	++++ 1.5646 1.4375	++++ 1.5935 ++++	1.5507 1.5903	1.5760 1.5169	1.5309 1.4930	Ave		1.5393				3.3		15.0			
1,4-Dichlorobenzene	++++ 1.5607 1.4136	++++ 1.6170 ++++	1.6500 1.6111	1.6264 1.5194	1.6009 1.4922	Ave		1.5657				4.9		15.0			
p-Isopropyltoluene	++++ 3.2192 2.5985	++++ 3.4059 ++++	3.0516 3.3836	3.0200 3.1826	2.9104 3.0254	Ave		3.0886				8.1		15.0			
1,2-Dichlorobenzene	++++ 1.4546 1.3479	++++ 1.5101 ++++	1.2728 1.5072	1.5242 1.4275	1.3928 1.3980	Ave		1.4261				5.8		15.0			
n-Butylbenzene	++++ 2.7790 2.4417	++++ 3.0609 ++++	2.4064 3.0923	2.4480 2.9007	2.6448 2.7598	Ave		2.7259				9.6		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1778 0.2217	++++ 0.2012 0.1947	++++ 0.2068	0.2004 0.2115	0.2057 0.2244	Ave		0.2049				6.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
1,2,4-Trichlorobenzene	++++ 0.9894 0.9786	++++ 1.0201 0.8466	0.9875 1.0306	1.0402 0.9951	1.0283 0.9930	Ave		0.9909				5.6		15.0			
Naphthalene	++++ 2.1766 1.9657	++++ 2.5096 ++++	2.1974 2.5422	2.1708 2.4927	2.3442 2.3242	Ave		2.3026				8.4		15.0			
Hexachlorobutadiene	++++ 0.7809 0.7566	++++ 0.8252 0.6573	0.7047 0.8088	0.8231 0.7344	0.8232 0.7373	Ave		0.7651				7.5		15.0			
1,2,3-Trichlorobenzene	++++ 0.9614 0.9213	++++ 1.0015 0.7703	0.8950 1.0016	0.9420 0.9375	0.9490 0.9203	Ave		0.9300				7.1		15.0			
Dibromofluoromethane (Surr)	0.2586	0.2778	0.2741	0.2747	0.2810	Ave		0.2732				3.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3545	0.3663	0.3664	0.3685	0.3731	Ave		0.3658				1.9		15.0			
Toluene-d8 (Surr)	1.1494	1.2831	1.2107	1.1315	1.1497	Ave		1.1849				5.3		15.0			
4-Bromofluorobenzene (Surr)	0.9228	0.9479	0.9492	1.0013	1.0154	Ave		0.9673				4.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321171/4	XEC30011.D
Level 2	STD035 440-321171/5	XEC30012.D
Level 3	STD05 440-321171/6	XEC30013.D
Level 4	STD1 440-321171/7	XEC30014.D
Level 5	STD2 440-321171/8	XEC30015.D
Level 6	STD5 440-321171/9	XEC30016.D
Level 7	STD10 440-321171/10	XEC30017.D
Level 8	ICIS 440-321171/11	XEC30018.D
Level 9	STD50 440-321171/12	XEC30019.D
Level 10	STD100 440-321171/13	XEC30020.D
Level 11	STD200 440-321171/14	XEC30021.D
Level 12	STD300 440-321171/15	XEC30022.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Dichlorodifluoromethane	FB	Ave	+++++ 161445 6732235	+++++ 345160 10442689	14348 843955	27012 1542942	60821 3306356	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloromethane	FB	Ave	+++++ 118692 4833365	+++++ 226411 7035156	10098 602854	21688 1093229	42167 2367932	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Vinyl chloride	FB	Ave	+++++ 122156 5220965	6952 254709 7785377	10584 651233	23003 1188645	48439 2583288	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,3-Butadiene	FB	Ave	+++++ 101353 4535523	+++++ 210004 6505381	9548 559302	19475 1048980	40195 2220407	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromomethane	FB	Ave	+++++ 63851 2826919	+++++ 127958 4443585	5769 333575	10427 637449	22062 1376598	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroethane	FB	Ave	+++++ 61467 2649104	+++++ 120819 4097343	5167 316156	9870 603456	23917 1281092	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethanol	TBA	Ave	+++++ 55276 2857417	+++++ 117659 4335732	+++++ 360536	+++++ 667790	34067 1533330	+++++ 250 10000	+++++ 500 15000	+++++ 1250	+++++ 2500	100 5000
Dichlorofluoromethane	FB	Ave	+++++ 178760 7334394	+++++ 359706 10999918	18047 914375	33968 1723093	68900 3687779	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Acrolein	FB	Ave	++++ 7182 423012	++++ 15835 666065	++++ 46457	++++ 95773	2364 206833	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Trichlorofluoromethane	FB	Ave	++++ 198040 8362813	++++ 400080 12973506	16802 1016367	38146 1897510	78891 4147452	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Acetonitrile	FB	Ave	++++ 82349 4014750	++++ 180357 6451838	++++ 508951	++++ 908394	41910 2124301	++++ 50.0 2000	++++ 100 3000	++++ 250	++++ 500	20.0 1000
Acetone	FB	Lin2	++++ 19605 1245804	++++ 42472 1956978	++++ 124114	++++ 300705	++++ 661673	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Diethyl ether	FB	Ave	++++ 53688 2453122	++++ 109567 3967959	++++ 287011	10048 565894	19138 1247254	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1-Dichloroethene	FB	Ave	++++ 66114 3193485	++++ 143879 5139391	6542 356524	13717 705319	26712 1518458	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Iodomethane	FB	Ave	++++ 122132 5199773	++++ 240252 8208112	11387 633217	23546 1201439	46129 2569540	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
tert-Butyl alcohol (TBA)	TBA	Ave	++++ 112951 6573883	++++ 271109 10113257	13176 787089	33923 1664318	72713 3660013	++++ 50.0 2000	++++ 100 3000	5.00 250	10.0 500	20.0 1000
Acrylonitrile	FB	Ave	6114 257539 10670966	14459 577969 ++++	23747 1471588	55158 2940940	120745 6030875	2.00 50.0 2000	3.50 100 ++++	5.00 250	10.0 500	20.0 1000
Methylene Chloride	FB	Ave	++++ 64035 2750413	++++ 128884 4897252	++++ 353409	13867 686596	25076 1469822	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 88800 4173877	++++ 194954 6569578	8938 482632	17455 923691	35521 1991830	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Allyl chloride	FB	Ave	++++ 107179 4473345	++++ 226896 7029439	++++ 562969	18689 1080718	41597 2230143	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
Carbon disulfide	FB	Ave	++++ 240586 9871164	++++ 493448 15052934	23147 1224011	45011 2331824	86350 4986715	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	FB	Ave	+++++ 67167 3090896	4195 146532 5002986	5825 358070	11647 693856	28243 1495025	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Methyl-t-Butyl Ether (MTBE)	FB	Ave	+++++ 197766 8642502	+++++ 400872 13069685	17441 1054885	36352 2106811	79729 4601366	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloroethane	FB	Ave	+++++ 136339 5820851	+++++ 278229 9156466	12203 696430	26037 1347533	54174 2901706	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Propionitrile	FB	Ave	+++++ 102064 5073110	+++++ 245708 7994301	+++++ 631403	+++++ 1253765	50560 2691553	+++++ 50.0 2000	+++++ 100 3000	+++++ 250	+++++ 500	20.0 1000
Vinyl acetate	FB	Ave	+++++ 75909 4954832	+++++ 161348 7074936	+++++ 427951	+++++ 1182377	36765 2339446	+++++ 4.00 200	+++++ 8.00 300	+++++ 20.0	+++++ 50.0	2.00 100
Hexane	FB	Ave	+++++ 122113 5599960	+++++ 252411 8850209	+++++ 655416	19985 1260556	44803 2726412	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
2-Butanone (MEK)	FB	Lin1	+++++ 3392 426107	+++++ 14999 677886	+++++ 41181	+++++ 100517	1802 219916	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	2.00 100
Isopropyl Ether (DIPE)	FB	Ave	+++++ 199327 8247937	+++++ 417842 12730814	18247 1058610	34000 1983228	76209 4247836	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
cis-1,2-Dichloroethene	FB	Ave	+++++ 70436 3140753	3819 145646 5103920	5992 364118	13692 718391	25409 1536303	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromochloromethane	FB	Ave	+++++ 34833 1498724	+++++ 69911 2434593	3462 176760	6585 342285	13788 739862	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroform	FB	Ave	+++++ 132960 5739024	+++++ 275700 8884473	11829 695328	25450 1367133	56298 2889513	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2,2-Dichloropropane	FB	Ave	+++++ 108779 4215757	+++++ 222465 6472456	10137 541784	22155 1037886	44581 2107087	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethyl-t-butyl ether (ETBE)	FB	Ave	+++++ 221281 9340394	+++++ 448904 14128662	20208 1203311	35730 2307532	88201 4923713	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Isobutyl alcohol	TBA	Lin2	++++ 90625 5561714	++++ 225179 8479035	6375 642175	21711 1336175	51049 3071987	++++ 125 5000	++++ 250 7500	12.5 625	25.0 1250	50.0 2500
Tetrahydrofuran	FB	Ave	++++ 43463 2060938	++++ 101003 3327425	++++ 249690	++++ 509535	20971 1105921	++++ 10.0 400	++++ 20.0 600	++++ 50.0	++++ 100	4.00 200
1,2-Dichloroethane	FB	Ave	++++ 119701 4833956	6874 233856 7332392	11597 605078	22686 1173148	47928 2517572	++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,1-Trichloroethane	FB	Ave	++++ 152587 6522024	++++ 303407 9927563	13935 779786	26525 1511713	58790 3242055	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloropropene	FB	Ave	++++ 97826 4685656	++++ 205542 7450186	9051 538888	18326 1060005	38634 2308604	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Cyclohexane	FB	Ave	++++ 140466 6300323	++++ 284572 9992995	++++ 730796	26252 1425531	57398 3099822	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
Carbon tetrachloride	FB	Ave	++++ 139726 6258733	++++ 293372 9464104	12722 758007	27646 1469239	58194 3140327	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Benzene	FB	Ave	++++ 255394 9984724	++++ 513616 ++++	24352 1311420	51725 2498041	98071 5332182	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tert-amyl-methyl ether (TAME)	FB	Lin2	++++ 193798 7692468	++++ 374334 ++++	37019 966414	51903 1867491	90792 4033725	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Dibromomethane	FB	Ave	++++ 40628 1856987	++++ 83134 3020341	3424 210115	8469 429818	15868 923050	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Heptane	FB	Ave	++++ 109310 5024142	++++ 233194 7810179	10300 615512	21117 1181503	45163 2531293	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichloropropane	FB	Ave	++++ 63557 2879028	++++ 129029 4673996	6476 327785	11691 651449	27757 1412926	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Trichloroethene	FB	Ave	++++ 77214 3450850	++++ 159778 5550375	8101 405451	14891 782859	33786 1733341	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Bromodichloromethane	FB	Ave	++++ 104758 4579016	++++ 205783 7024796	9908 529764	19020 1050642	39170 2293651	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Chloroethyl vinyl ether	CBZ	Ave	++++ 27959 1622656	++++ 60657 2788642	++++ 166472	++++ 358877	10640 813471	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
cis-1,3-Dichloropropene	CBZ	Ave	++++ 98296 4650458	++++ 200511 ++++	8238 526728	17894 1072487	37759 2364158	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 53239 3194152	++++ 116841 5169952	++++ 334146	++++ 760047	26059 1692517	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
trans-1,3-Dichloropropene	CBZ	Ave	++++ 96354 4636808	++++ 193682 ++++	7884 515629	17272 1059770	36341 2346146	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2-Trichloroethane	CBZ	Ave	++++ 43451 2040548	++++ 83869 3356254	3544 222092	8152 445588	18235 1010790	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Toluene	CBZ	Ave	++++ 282913 ++++	++++ 572808 ++++	25403 1461747	49639 2809610	115322 5933660	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichloropropane	CBZ	Ave	++++ 88180 4161412	++++ 188863 ++++	7411 463172	18385 966195	38885 2125106	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Ethyl methacrylate	CBZ	Ave	++++ 59861 3633608	++++ 139051 5912127	++++ 395824	++++ 819255	24451 1851125	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
2-Hexanone	CBZ	Lin1	++++ 33583 2601590	++++ 90716 ++++	++++ 256899	++++ 617095	17482 1387599	++++ 5.00 200	++++ 10.0 ++++	++++ 25.0	++++ 50.0	2.00 100
Dibromochloromethane	CBZ	Ave	++++ 75716 3651529	++++ 154979 ++++	7068 402206	14316 820276	31217 1843301	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromoethane (EDB)	CBZ	Ave	++++ 58856 2817940	++++ 116350 ++++	4763 310377	11815 632943	25077 1412077	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tetrachloroethene	CBZ	Ave	++++ 62887 2895638	++++ 132965 ++++	5964 337219	11472 646717	25908 1417868	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 75965 3679006	++++ 153675 ++++	7204 400126	15818 806295	30359 1799564	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Chlorobenzene	CBZ	Ave	++++ 189827 7878283	++++ 389429 ++++	19634 979166	39392 1907492	76512 4135860	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Ethylbenzene	CBZ	Ave	++++ 327717 ++++	++++ 684660 ++++	31460 1795069	62639 3486934	131523 7321938	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
m,p-Xylene	CBZ	Ave	++++ 121846 6027118	++++ 269352 ++++	10234 670403	22017 1338789	49322 2968122	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Bromoform	CBZ	Ave	++++ 46727 2555396	++++ 99246 4084336	3866 265815	10359 552996	19348 1283806	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Styrene	CBZ	Ave	++++ 188469 8884738	++++ 390429 ++++	14194 1058351	28485 2122858	65397 4645726	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 70649 3627048	++++ 150134 5670793	6269 394884	15402 837247	30910 1813726	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
o-Xylene	CBZ	Ave	++++ 124491 5920592	++++ 6443 258876 ++++	9821 672844	21683 1329491	46033 2976815	++++ 5.00 200	0.350 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2,3-Trichloropropane	DCB	Ave	++++ 61260 3183170	++++ 129987 5086407	6644 354947	14534 737310	28878 1624978	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 25678 1556864	++++ 56302 2505193	++++ 163902	++++ 349304	++++ 786477	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Isopropylbenzene	CBZ	Ave	++++ 355153 ++++	++++ 752639 ++++	32215 1917563	59390 3815358	136906 8077908	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Bromobenzene	DCB	Ave	++++ 86297 4027187	++++ 173489 6441538	7325 443481	15258 921216	33941 2000494	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Propylbenzene	DCB	Ave	++++ 400904 15197254	++++ 857664 ++++	34927 2230692	70004 4355349	148142 9025584	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	DCB	Ave	++++ 251141 10846384	++++ 535015 ++++	22979 1377526	45251 2716176	100076 5877276	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
4-Chlorotoluene	DCB	Ave	++++ 272805 11097659	++++ 541824 ++++	22117 1454199	47697 2825678	100716 6110345	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3,5-Trimethylbenzene	DCB	Ave	++++ 310974 12700785	++++ 667254 ++++	24813 1715786	50781 3416937	119254 7200591	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
tert-Butylbenzene	DCB	Ave	++++ 273252 11760592	++++ 586133 ++++	22618 1515243	47273 3003398	100285 6420590	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2,4-Trimethylbenzene	DCB	Ave	++++ 326978 12600058	++++ 677433 ++++	25021 1756114	52686 3481837	119422 7166067	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
sec-Butylbenzene	DCB	Ave	++++ 417958 ++++	++++ 875212 ++++	33591 2254886	72437 4391851	156418 8917693	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichlorobenzene	DCB	Ave	++++ 180479 7376796	++++ 359201 ++++	16762 926668	34780 1815898	70011 3870294	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,4-Dichlorobenzene	DCB	Ave	++++ 180020 7254532	++++ 364499 ++++	17835 938754	35893 1818870	73211 3868366	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
p-Isopropyltoluene	DCB	Ave	++++ 371326 13335111	++++ 767722 ++++	32985 1971576	66647 3809962	133098 7842850	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichlorobenzene	DCB	Ave	++++ 167785 6917232	++++ 340404 ++++	13758 878238	33637 1708892	63696 3623997	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
n-Butylbenzene	DCB	Ave	++++ 320554 12530081	++++ 689955 ++++	26011 1801851	54025 3472468	120951 7154450	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 20504 1137747	++++ 45364 1757913	++++ 120514	4422 253189	9409 581755	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,2,4-Trichlorobenzene	DCB	Ave	++++ 114126 5022109	++++ 229945 7643856	10674 600491	22956 1191324	47026 2574162	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Naphthalene	DCB	Ave	++++ 251063 10087700	++++ 565704 ++++	23752 1481303	47908 2984050	107207 6025230	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Hexachlorobutadiene	DCB	Ave	++++ 90074 3882664	++++ 186003 5934467	7617 471302	18164 879177	37648 1911379	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,2,3-Trichlorobenzene	DCB	Ave	++++ 110899 4727934	++++ 225759 6954647	9674 583606	20789 1122361	43400 2385663	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Dibromofluoromethane (Surr)	FB	Ave	67765	142026	359849	747374	1610679	5.00	10.0	25.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	92915	187291	481028	1002532	2138699	5.00	10.0	25.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave	227495	496538	1254046	2546180	5331680	5.00	10.0	25.0	50.0	100
4-Bromofluorobenzene (Surr)	DCB	Ave	106446	213675	553090	1198667	2632302	5.00	10.0	25.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06

Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43

GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44

Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5878	0.5169		22.0	25.0	-12.1	40.0
Chloromethane	Ave	0.4180	0.4311	0.1000	25.8	25.0	3.1	40.0
Vinyl chloride	Ave	0.4507	0.4046		22.4	25.0	-10.2	30.0
1,3-Butadiene	Ave	0.3869	0.3449		22.3	25.0	-10.9	30.0
Bromomethane	Ave	0.2339	0.2214		23.7	25.0	-5.4	30.0
Chloroethane	Ave	0.2224	0.2172		24.4	25.0	-2.3	30.0
Ethanol	Ave	0.1016	0.1001		1230	1250	-1.5	40.0
Dichlorofluoromethane	Ave	0.6602	0.5910		22.4	25.0	-10.5	40.0
Acrolein	Ave	0.0323	0.0353		27.3	25.0	9.3	40.0
Trichlorofluoromethane	Ave	0.7295	0.6369		21.8	25.0	-12.7	40.0
Acetonitrile	Ave	0.0355	0.0355		250	250	0.0	40.0
Acetone	Lin2		0.0936		28.9	31.3	-7.6	40.0
Diethyl ether	Ave	0.2066	0.2054		24.9	25.0	-0.6	30.0
1,1-Dichloroethene	Ave	0.2654	0.2466		23.2	25.0	-7.1	30.0
Iodomethane	Ave	0.4535	0.4229		23.3	25.0	-6.8	40.0
tert-Butyl alcohol (TBA)	Ave	1.145	1.137		248	250	-0.7	30.0
Acrylonitrile	Ave	0.1002	0.1098		274	250	9.6	40.0
Methylene Chloride	Ave	0.2529	0.2470		24.4	25.0	-2.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3510	0.3203		22.8	25.0	-8.7	40.0
Allyl chloride	Ave	0.3980	0.4112		25.8	25.0	3.3	40.0
Carbon disulfide	Ave	0.8798	0.8295		23.6	25.0	-5.7	40.0
trans-1,2-Dichloroethene	Ave	0.2582	0.2603		25.2	25.0	0.8	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7508	0.7531		25.1	25.0	0.3	30.0
1,1-Dichloroethane	Ave	0.5084	0.4860	0.1000	23.9	25.0	-4.4	30.0
Propionitrile	Ave	0.0452	0.0491		272	250	8.6	40.0
Vinyl acetate	Ave	0.3936	0.3433		21.8	25.0	-12.8	40.0
Hexane	Ave	0.4619	0.4857		26.3	25.0	5.1	40.0
2-Butanone (MEK)	Lin1		0.0271		25.2	31.3	-19.4	40.0
Isopropyl Ether (DIPE)	Ave	0.7342	0.8081		27.5	25.0	10.1	30.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2667		25.5	25.0	1.9	30.0
Bromochloromethane	Ave	0.1312	0.1239		23.6	25.0	-5.6	30.0
Chloroform	Ave	0.5044	0.4699		23.3	25.0	-6.8	30.0
2,2-Dichloropropane	Ave	0.3974	0.3316		20.9	25.0	-16.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8228	0.8657		26.3	25.0	5.2	30.0
Isobutyl alcohol	Lin2		0.3994		657	625	5.1	40.0
Tetrahydrofuran	Ave	0.0927	0.0896		48.3	50.0	-3.4	40.0
1,2-Dichloroethane	Ave	0.4385	0.3849		21.9	25.0	-12.2	30.0
1,1,1-Trichloroethane	Ave	0.5601	0.4997		22.3	25.0	-10.8	30.0
1,1-Dichloropropene	Ave	0.3854	0.3676		23.8	25.0	-4.6	30.0
Cyclohexane	Ave	0.5376	0.5442		25.3	25.0	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06

Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43

GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44

Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5405	0.4887		22.6	25.0	-9.6	40.0
Benzene	Ave	0.9593	0.9596		25.0	25.0	0.0	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7133		25.5	25.0	1.9	30.0
Dibromomethane	Ave	0.1566	0.1519		24.2	25.0	-3.0	30.0
n-Heptane	Ave	0.4309	0.4492		26.1	25.0	4.3	30.0
1,2-Dichloropropane	Ave	0.2472	0.2501		25.3	25.0	1.2	30.0
Trichloroethene	Ave	0.3027	0.2938		24.3	25.0	-2.9	30.0
Bromodichloromethane	Ave	0.3890	0.3648		23.4	25.0	-6.2	30.0
2-Chloroethyl vinyl ether	Ave	0.1539	0.1727		28.1	25.0	12.2	40.0
cis-1,3-Dichloropropene	Ave	0.4830	0.5006		25.9	25.0	3.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3134	0.3658		36.5	31.3	16.7	40.0
trans-1,3-Dichloropropene	Ave	0.4717	0.4640		24.6	25.0	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.2069	0.2188		26.4	25.0	5.8	30.0
Toluene	Ave	1.369	1.347		24.6	25.0	-1.6	30.0
1,3-Dichloropropane	Ave	0.4491	0.4516		25.1	25.0	0.5	30.0
Ethyl methacrylate	Ave	0.3473	0.3811		27.4	25.0	9.7	40.0
2-Hexanone	Lin1		0.2836		33.6	31.3	7.6	40.0
Dibromochloromethane	Ave	0.3816	0.3624		23.7	25.0	-5.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.2932	0.3068		26.2	25.0	4.6	30.0
Tetrachloroethene	Ave	0.3119	0.2922		23.4	25.0	-6.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3836	0.3609		23.5	25.0	-5.9	40.0
Chlorobenzene	Ave	0.9396	0.9028	0.3000	24.0	25.0	-3.9	30.0
Ethylbenzene	Ave	1.657	1.616		24.4	25.0	-2.5	30.0
m,p-Xylene	Ave	0.6140	0.6151		25.0	25.0	0.2	30.0
Bromoform	Ave	0.2450	0.2597	0.1000	26.5	25.0	6.0	40.0
Styrene	Ave	0.9024	0.9357		25.9	25.0	3.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6644	0.7225	0.3000	27.2	25.0	8.8	30.0
o-Xylene	Ave	0.5955	0.5997		25.2	25.0	0.7	30.0
1,2,3-Trichloropropane	Ave	0.6048	0.6414		26.5	25.0	6.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2757	0.2589		23.5	25.0	-6.1	40.0
Isopropylbenzene	Ave	1.752	1.731		24.7	25.0	-1.2	30.0
Bromobenzene	Ave	0.7429	0.7589		25.5	25.0	2.1	30.0
n-Propylbenzene	Ave	3.426	3.671		26.8	25.0	7.2	30.0
2-Chlorotoluene	Ave	2.214	2.294		25.9	25.0	3.6	30.0
4-Chlorotoluene	Ave	2.284	2.396		26.2	25.0	4.9	30.0
1,3,5-Trimethylbenzene	Ave	2.657	2.835		26.7	25.0	6.7	30.0
tert-Butylbenzene	Ave	2.364	2.516		26.6	25.0	6.5	30.0
1,2,4-Trimethylbenzene	Ave	2.699	2.832		26.2	25.0	4.9	30.0
sec-Butylbenzene	Ave	3.537	3.764		26.6	25.0	6.4	30.0
1,3-Dichlorobenzene	Ave	1.539	1.521		24.7	25.0	-1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.566	1.540		24.6	25.0	-1.7	30.0
p-Isopropyltoluene	Ave	3.089	3.204		25.9	25.0	3.7	30.0
1,2-Dichlorobenzene	Ave	1.426	1.454		25.5	25.0	1.9	30.0
n-Butylbenzene	Ave	2.726	2.875		26.4	25.0	5.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2049	0.2039		24.9	25.0	-0.5	40.0
1,2,4-Trichlorobenzene	Ave	0.9909	1.021		25.7	25.0	3.0	40.0
Naphthalene	Ave	2.303	2.734		29.7	25.0	18.8	40.0
Hexachlorobutadiene	Ave	0.7651	0.7504		24.5	25.0	-1.9	40.0
1,2,3-Trichlorobenzene	Ave	0.9300	0.9648		25.9	25.0	3.7	40.0
Dibromofluoromethane (Surr)	Ave	0.2732	0.2682		24.5	25.0	-1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3658	0.3388		23.2	25.0	-7.4	
Toluene-d8 (Surr)	Ave	1.185	1.217		25.7	25.0	2.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9673	0.9905		25.6	25.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5878	0.7736		32.9	25.0	31.6	40.0
Chloromethane	Ave	0.4180	0.6045	0.1000	36.2	25.0	44.6*	40.0
Vinyl chloride	Ave	0.4507	0.6280		34.8	25.0	39.3*	20.0
1,3-Butadiene	Ave	0.3869	0.5816		37.6	25.0	50.3*	30.0
Bromomethane	Ave	0.2339	0.3518		37.6	25.0	50.4*	30.0
Chloroethane	Ave	0.2224	0.3219		36.2	25.0	44.7*	30.0
Ethanol	Ave	0.1016	0.1330		1640	1250	30.9	40.0
Dichlorofluoromethane	Ave	0.6602	0.8748		33.1	25.0	32.5	40.0
Acrolein	Ave	0.0323	0.0256		19.8	25.0	-20.6	40.0
Trichlorofluoromethane	Ave	0.7295	0.8138		27.9	25.0	11.6	40.0
Acetonitrile	Ave	0.0355	0.0314		221	250	-11.5	40.0
Acetone	Lin2		0.0951		23.8	25.0	-4.9	40.0
Diethyl ether	Ave	0.2066	0.1819		22.0	25.0	-12.0	30.0
1,1-Dichloroethene	Ave	0.2654	0.2716		25.6	25.0	2.4	20.0
Iodomethane	Ave	0.4535	0.5017		27.7	25.0	10.6	40.0
tert-Butyl alcohol (TBA)	Ave	1.145	1.187		259	250	3.7	30.0
Acrylonitrile	Ave	0.1002	0.0945		236	250	-5.7	40.0
Methylene Chloride	Ave	0.2529	0.2343		23.2	25.0	-7.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3510	0.3740		26.6	25.0	6.6	40.0
Allyl chloride	Ave	0.3980	0.3710		23.3	25.0	-6.8	40.0
Carbon disulfide	Ave	0.8798	0.9011		25.6	25.0	2.4	40.0
trans-1,2-Dichloroethene	Ave	0.2582	0.2782		26.9	25.0	7.7	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7508	0.7967		26.5	25.0	6.1	30.0
1,1-Dichloroethane	Ave	0.5084	0.4981	0.1000	24.5	25.0	-2.0	30.0
Propionitrile	Ave	0.0452	0.0433		240	250	-4.1	40.0
Vinyl acetate	Ave	0.3936	0.4335		22.0	20.0	10.2	40.0
Hexane	Ave	0.4619	0.4249		23.0	25.0	-8.0	40.0
2-Butanone (MEK)	Lin1		0.0313		23.3	25.0	-6.7	40.0
Isopropyl Ether (DIPE)	Ave	0.7342	0.6594		22.5	25.0	-10.2	30.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2875		27.5	25.0	9.9	30.0
Bromochloromethane	Ave	0.1312	0.1404		26.7	25.0	7.0	30.0
Chloroform	Ave	0.5044	0.5525		27.4	25.0	9.5	20.0
2,2-Dichloropropane	Ave	0.3974	0.4752		29.9	25.0	19.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8228	0.8141		24.7	25.0	-1.0	30.0
Isobutyl alcohol	Lin2		0.3693		608	625	-2.7	40.0
Tetrahydrofuran	Ave	0.0927	0.0764		41.2	50.0	-17.6	40.0
1,2-Dichloroethane	Ave	0.4385	0.4411		25.1	25.0	0.6	30.0
1,1,1-Trichloroethane	Ave	0.5601	0.6326		28.2	25.0	12.9	30.0
1,1-Dichloropropene	Ave	0.3854	0.4102		26.6	25.0	6.4	30.0
Cyclohexane	Ave	0.5376	0.4875		22.7	25.0	-9.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5405	0.6380		29.5	25.0	18.0	40.0
Benzene	Ave	0.9593	0.9701		25.3	25.0	1.1	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7076		25.3	25.0	1.1	30.0
Dibromomethane	Ave	0.1566	0.1628		26.0	25.0	3.9	30.0
n-Heptane	Ave	0.4309	0.3905		22.7	25.0	-9.4	30.0
1,2-Dichloropropane	Ave	0.2472	0.2195		22.2	25.0	-11.2	20.0
Trichloroethene	Ave	0.3027	0.3244		26.8	25.0	7.2	30.0
Bromodichloromethane	Ave	0.3890	0.4077		26.2	25.0	4.8	30.0
2-Chloroethyl vinyl ether	Ave	0.1539	0.1152		18.7	25.0	-25.2	40.0
cis-1,3-Dichloropropene	Ave	0.4830	0.3884		20.1	25.0	-19.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3134	0.2206		17.6	25.0	-29.6	40.0
trans-1,3-Dichloropropene	Ave	0.4717	0.4097		21.7	25.0	-13.1	30.0
1,1,2-Trichloroethane	Ave	0.2069	0.1593		19.2	25.0	-23.0	30.0
Toluene	Ave	1.369	1.158		21.1	25.0	-15.4	20.0
1,3-Dichloropropane	Ave	0.4491	0.3607		20.1	25.0	-19.7	30.0
Ethyl methacrylate	Ave	0.3473	0.2933		21.1	25.0	-15.5	40.0
2-Hexanone	Lin1		0.2111		20.3	25.0	-18.7	40.0
Dibromochloromethane	Ave	0.3816	0.3512		23.0	25.0	-8.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.2932	0.2358		20.1	25.0	-19.6	30.0
Tetrachloroethene	Ave	0.3119	0.2763		22.1	25.0	-11.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3836	0.3897		25.4	25.0	1.6	40.0
Chlorobenzene	Ave	0.9396	0.9868	0.3000	26.3	25.0	5.0	30.0
Ethylbenzene	Ave	1.657	1.651		24.9	25.0	-0.4	20.0
m,p-Xylene	Ave	0.6140	0.5784		23.5	25.0	-5.8	30.0
Bromoform	Ave	0.2450	0.2407	0.1000	24.6	25.0	-1.8	40.0
Styrene	Ave	0.9024	0.9254		25.6	25.0	2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6644	0.6646	0.3000	25.0	25.0	0.0	30.0
o-Xylene	Ave	0.5955	0.6106		25.6	25.0	2.5	30.0
1,2,3-Trichloropropane	Ave	0.6048	0.5725		23.7	25.0	-5.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2757	0.2416		21.9	25.0	-12.4	40.0
Isopropylbenzene	Ave	1.752	1.789		25.5	25.0	2.1	30.0
Bromobenzene	Ave	0.7429	0.7713		26.0	25.0	3.8	30.0
n-Propylbenzene	Ave	3.426	3.692		26.9	25.0	7.8	30.0
2-Chlorotoluene	Ave	2.214	2.310		26.1	25.0	4.3	30.0
4-Chlorotoluene	Ave	2.284	2.415		26.4	25.0	5.7	30.0
1,3,5-Trimethylbenzene	Ave	2.657	2.939		27.7	25.0	10.6	30.0
tert-Butylbenzene	Ave	2.364	2.614		27.6	25.0	10.6	30.0
1,2,4-Trimethylbenzene	Ave	2.699	3.012		27.9	25.0	11.6	30.0
sec-Butylbenzene	Ave	3.537	3.855		27.2	25.0	9.0	30.0
1,3-Dichlorobenzene	Ave	1.539	1.575		25.6	25.0	2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.566	1.636		26.1	25.0	4.5	30.0
p-Isopropyltoluene	Ave	3.089	3.483		28.2	25.0	12.8	30.0
1,2-Dichlorobenzene	Ave	1.426	1.523		26.7	25.0	6.8	30.0
n-Butylbenzene	Ave	2.726	3.157		29.0	25.0	15.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2049	0.2134		26.0	25.0	4.1	40.0
1,2,4-Trichlorobenzene	Ave	0.9909	1.064		26.8	25.0	7.3	40.0
Naphthalene	Ave	2.303	2.501		27.2	25.0	8.6	40.0
Hexachlorobutadiene	Ave	0.7651	0.8017		26.2	25.0	4.8	40.0
1,2,3-Trichlorobenzene	Ave	0.9300	0.9699		26.1	25.0	4.3	40.0
Dibromofluoromethane (Surr)	Ave	0.2732	0.2857		26.1	25.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3658	0.3591		24.5	25.0	-1.8	
Toluene-d8 (Surr)	Ave	1.185	1.000		21.1	25.0	-15.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9673	0.9494		24.5	25.0	-1.9	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-323348/4
 Matrix: Water Lab File ID: XED1104.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 08:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	113		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		76-132
2037-26-5	Toluene-d8 (Surr)	100		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-323348/5
 Matrix: Water Lab File ID: XED11005.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 09:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.6		0.50	
100-41-4	Ethylbenzene	29.5		0.50	
179601-23-1	m,p-Xylene	25.2		1.0	
95-47-6	o-Xylene	26.7		0.50	
108-88-3	Toluene	21.3		0.50	
1330-20-7	Xylenes, Total	51.9		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		76-132
2037-26-5	Toluene-d8 (Surr)	85		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-16 MS Lab Sample ID: 440-143184-4 MS
 Matrix: Water Lab File ID: XED11009.D
 Analysis Method: 8260B Date Collected: 03/31/2016 09:20
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 11:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	28.2		0.50	
100-41-4	Ethylbenzene	27.6		0.50	
179601-23-1	m,p-Xylene	29.2		1.0	
95-47-6	o-Xylene	34.5		0.50	
108-88-3	Toluene	24.3		0.50	
1330-20-7	Xylenes, Total	63.7		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		76-132
2037-26-5	Toluene-d8 (Surr)	90		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: MW-16 MSD Lab Sample ID: 440-143184-4 MSD
 Matrix: Water Lab File ID: XED11010.D
 Analysis Method: 8260B Date Collected: 03/31/2016 09:20
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 12:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	26.2		0.50	
100-41-4	Ethylbenzene	26.0		0.50	
179601-23-1	m,p-Xylene	26.2		1.0	
95-47-6	o-Xylene	27.2		0.50	
108-88-3	Toluene	25.7		0.50	
1330-20-7	Xylenes, Total	53.4		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		76-132
2037-26-5	Toluene-d8 (Surr)	100		80-128

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS59Start Date: 03/30/2016 13:22Analysis Batch Number: 321171End Date: 03/30/2016 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-321171/1		03/30/2016 13:22	1	XEC30008.D	DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 13:48	1		DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 14:16	1		DB-VRX A 0.25 (mm)
STD02 440-321171/4 IC		03/30/2016 14:43	1	XEC30011.D	DB-VRX A 0.25 (mm)
STD035 440-321171/5 IC		03/30/2016 15:10	1	XEC30012.D	DB-VRX A 0.25 (mm)
STD05 440-321171/6 IC		03/30/2016 15:37	1	XEC30013.D	DB-VRX A 0.25 (mm)
STD1 440-321171/7 IC		03/30/2016 16:04	1	XEC30014.D	DB-VRX A 0.25 (mm)
STD2 440-321171/8 IC		03/30/2016 16:32	1	XEC30015.D	DB-VRX A 0.25 (mm)
STD5 440-321171/9 IC		03/30/2016 16:59	1	XEC30016.D	DB-VRX A 0.25 (mm)
STD10 440-321171/10 IC		03/30/2016 17:27	1	XEC30017.D	DB-VRX A 0.25 (mm)
ICIS 440-321171/11		03/30/2016 17:54	1	XEC30018.D	DB-VRX A 0.25 (mm)
STD50 440-321171/12 IC		03/30/2016 18:22	1	XEC30019.D	DB-VRX A 0.25 (mm)
STD100 440-321171/13 IC		03/30/2016 18:49	1	XEC30020.D	DB-VRX A 0.25 (mm)
STD200 440-321171/14 IC		03/30/2016 19:16	1	XEC30021.D	DB-VRX A 0.25 (mm)
STD300 440-321171/15 IC		03/30/2016 19:44	1	XEC30022.D	DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 20:11	1		DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 20:39	1		DB-VRX A 0.25 (mm)
ICV 440-321171/18		03/30/2016 21:06	1	XEC30025.D	DB-VRX A 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS59Start Date: 04/11/2016 06:03Analysis Batch Number: 323348End Date: 04/11/2016 18:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-323348/1		04/11/2016 06:03	1	XED11001.D	DB-VRX A 0.25 (mm)
CCVIS 440-323348/2		04/11/2016 06:28	1		DB-VRX A 0.25 (mm)
CCV 440-323348/3		04/11/2016 06:56	1		DB-VRX A 0.25 (mm)
CCVIS 440-323348/6		04/11/2016 07:23	1		DB-VRX A 0.25 (mm)
CCVIS 440-323348/7		04/11/2016 08:12	1	XED11007.D	DB-VRX A 0.25 (mm)
MB 440-323348/4		04/11/2016 08:40	1	XED1104.D	DB-VRX A 0.25 (mm)
LCS 440-323348/5		04/11/2016 09:07	1	XED11005.D	DB-VRX A 0.25 (mm)
440-143184-4		04/11/2016 11:08	1	XED11008.D	DB-VRX A 0.25 (mm)
440-143184-4 MS		04/11/2016 11:35	1	XED11009.D	DB-VRX A 0.25 (mm)
440-143184-4 MSD		04/11/2016 12:03	1	XED11010.D	DB-VRX A 0.25 (mm)
440-143184-1		04/11/2016 12:31	1	XED11011.D	DB-VRX A 0.25 (mm)
440-143184-2		04/11/2016 12:58	10	XED11012.D	DB-VRX A 0.25 (mm)
440-143184-3		04/11/2016 13:26	1	XED11013.D	DB-VRX A 0.25 (mm)
440-143184-5		04/11/2016 13:53	1	XED11014.D	DB-VRX A 0.25 (mm)
440-143184-6		04/11/2016 14:21	1	XED11015.D	DB-VRX A 0.25 (mm)
440-143184-7		04/11/2016 14:48	1	XED11016.D	DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 15:16	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 15:43	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 16:11	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 16:38	100		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 17:06	40		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 17:33	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 18:01	1		DB-VRX A 0.25 (mm)

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-5MS A ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
MW-02	440-143184-1	0	43	63
MW-12	440-143184-2	0	77	129
MW-14	440-143184-3	0	16	98
MW-16	440-143184-4	68	62	82
MW-17	440-143184-5	63	59	66
MW-21	440-143184-7	57	53	73
	MB 440-322560/1-A	67	61	87
	MB 440-322773/1-A	70	57	76
	LCS 440-322560/2-A	48	62	75
	LCS 440-322773/2-A	50	58	72
	LCSD 440-322560/3-A	57	64	85
	LCSD 440-322773/3-A	49	59	75

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5	46-109
FBP = 2-Fluorobiphenyl (Surr)	50-104
TPH = Terphenyl-d14	28-124

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040713.D
 Lab ID: LCS 440-322560/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.710	71	54-120	
Acenaphthylene	1.00	0.673	67	55-120	
Anthracene	1.00	0.687	69	56-120	
Benzo[a]anthracene	1.00	0.689	69	63-120	
Benzo[a]pyrene	1.00	0.707	71	54-120	
Benzo[b]fluoranthene	1.00	0.762	76	60-120	
Benzo[g,h,i]perylene	1.00	0.740	74	61-139	
Benzo[k]fluoranthene	1.00	0.920	92	62-120	
Chrysene	1.00	0.759	76	65-120	
Dibenz(a,h)anthracene	1.00	0.686	69	61-120	
Fluoranthene	1.00	0.711	71	61-120	
Fluorene	1.00	0.758	76	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.655	65	61-122	
Naphthalene	1.00	0.614	61	46-120	
Phenanthrene	1.00	0.694	69	60-120	
Pyrene	1.00	0.691	69	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J041302.D
 Lab ID: LCS 440-322773/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.667	67	54-120	
Acenaphthylene	1.00	0.636	64	55-120	
Anthracene	1.00	0.725	72	56-120	
Benzo[a]anthracene	1.00	0.657	66	63-120	
Benzo[a]pyrene	1.00	0.710	71	54-120	
Benzo[b]fluoranthene	1.00	0.713	71	60-120	
Benzo[g,h,i]perylene	1.00	0.868	87	61-139	
Benzo[k]fluoranthene	1.00	0.816	82	62-120	
Chrysene	1.00	0.770	77	65-120	
Dibenz(a,h)anthracene	1.00	0.770	77	61-120	
Fluoranthene	1.00	0.736	74	61-120	
Fluorene	1.00	0.685	69	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.747	75	61-122	
Naphthalene	1.00	0.577	58	46-120	
Phenanthrene	1.00	0.684	68	60-120	
Pyrene	1.00	0.725	72	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040714.D
 Lab ID: LCSD 440-322560/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.708	71	0	35	54-120	
Acenaphthylene	1.00	0.716	72	6	35	55-120	
Anthracene	1.00	0.847	85	21	35	56-120	
Benzo[a]anthracene	1.00	0.762	76	10	35	63-120	
Benzo[a]pyrene	1.00	0.800	80	12	35	54-120	
Benzo[b]fluoranthene	1.00	0.881	88	15	35	60-120	
Benzo[g,h,i]perylene	1.00	0.833	83	12	35	61-139	
Benzo[k]fluoranthene	1.00	0.992	99	8	35	62-120	
Chrysene	1.00	0.883	88	15	35	65-120	
Dibenz(a,h)anthracene	1.00	0.752	75	9	35	61-120	
Fluoranthene	1.00	0.826	83	15	35	61-120	
Fluorene	1.00	0.842	84	11	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.740	74	12	35	61-122	
Naphthalene	1.00	0.658	66	7	35	46-120	
Phenanthrene	1.00	0.795	79	13	35	60-120	
Pyrene	1.00	0.807	81	15	35	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040904.D
 Lab ID: LCSD 440-322773/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.641	64	4	35	54-120	
Acenaphthylene	1.00	0.628	63	1	35	55-120	
Anthracene	1.00	0.690	69	5	35	56-120	
Benzo[a]anthracene	1.00	0.689	69	5	35	63-120	
Benzo[a]pyrene	1.00	0.724	72	2	35	54-120	
Benzo[b]fluoranthene	1.00	0.740	74	4	35	60-120	
Benzo[g,h,i]perylene	1.00	0.911	91	5	35	61-139	
Benzo[k]fluoranthene	1.00	0.790	79	3	35	62-120	
Chrysene	1.00	0.831	83	8	35	65-120	
Dibenz(a,h)anthracene	1.00	0.778	78	1	35	61-120	
Fluoranthene	1.00	0.765	76	4	35	61-120	
Fluorene	1.00	0.680	68	1	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.760	76	2	35	61-122	
Naphthalene	1.00	0.544	54	6	35	46-120	
Phenanthrene	1.00	0.699	70	2	35	60-120	
Pyrene	1.00	0.729	73	1	35	63-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Lab File ID: J040712.D Lab Sample ID: MB 440-322560/1-A
Matrix: Water Date Extracted: 04/06/2016 11:16
Instrument ID: GCMS65 Date Analyzed: 04/07/2016 23:27
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-322560/2-A	J040713.D	04/07/2016 23:48
	LCSD 440-322560/3-A	J040714.D	04/08/2016 00:09
MW-16	440-143184-4	J040717.D	04/08/2016 01:10
MW-17	440-143184-5	J040718.D	04/08/2016 01:31
MW-02	440-143184-1	J040719.D	04/08/2016 01:52
MW-12	440-143184-2	J040720.D	04/08/2016 02:12
MW-14	440-143184-3	J040721.D	04/08/2016 02:33

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Lab File ID: J040902.D Lab Sample ID: MB 440-322773/1-A
Matrix: Water Date Extracted: 04/07/2016 09:52
Instrument ID: GCMS65 Date Analyzed: 04/10/2016 00:57
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 440-322773/3-A	J040904.D	04/10/2016 01:38
MW-21	440-143184-7	J041203.D	04/12/2016 17:40
	LCS 440-322773/2-A	J041302.D	04/13/2016 17:07

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	33207	5.42	26262	7.14	62152	8.39	
UPPER LIMIT	66414	5.92	52524	7.64	124304	8.89	
LOWER LIMIT	16604	4.92	13131	6.64	31076	7.89	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321454/10		19856	5.42	18528	7.13	44297	8.39
CCVIS 440-322907/1		25703	5.42	22985	7.13	55053	8.38
CCVIS 440-323269/1		29104	5.39	24603	7.10	58074	8.35
CCVIS 440-323808/1		26876	5.40	23936	7.11	55003	8.37
CCVIS 440-324076/1		23798	5.38	19894	7.10	47525	8.34

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	111913	10.55	119086	12.91		
UPPER LIMIT	223826	11.05	238172	13.41		
LOWER LIMIT	55957	10.05	59543	12.41		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321454/10	75393	10.52	80427	12.88		
CCVIS 440-322907/1	89115	10.53	64889	12.88		
CCVIS 440-323269/1	101320	10.50	100610	12.82		
CCVIS 440-323808/1	90177	10.52	93713	12.85		
CCVIS 440-324076/1	73981	10.48	77875	12.79		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-322907/1 Date Analyzed: 04/07/2016 19:41
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040701.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		25703	5.42	22985	7.13	55053	8.38
UPPER LIMIT		51406	5.92	45970	7.63	110106	8.88
LOWER LIMIT		12852	4.92	11493	6.63	27527	7.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322560/1-A		17990	5.41	17952	7.11	44133	8.36
LCS 440-322560/2-A		15991	5.41	15585	7.11	41236	8.36
LCSD 440-322560/3-A		13017	5.49	13208	7.20	33584	8.45
440-143184-4	MW-16	20122	5.40	21226	7.11	53358	8.36
440-143184-5	MW-17	17208	5.42	18188	7.13	45399	8.38
440-143184-1	MW-02	16834	5.42	16807	7.13	41431	8.38
440-143184-2	MW-12	26120	5.41	62916	7.12	62058	8.37
440-143184-3	MW-14	30167	5.42	110208	7.13	67336	8.39

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-322907/1 Date Analyzed: 04/07/2016 19:41
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040701.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		89115	10.53	64889	12.88		
UPPER LIMIT		178230	11.03	129778	13.38		
LOWER LIMIT		44558	10.03	32445	12.38		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322560/1-A		69251	10.49	50412	12.82		
LCS 440-322560/2-A		66842	10.49	50506	12.82		
LCSD 440-322560/3-A		56645	10.59	40893	12.99		
440-143184-4	MW-16	88308	10.50	66413	12.82		
440-143184-5	MW-17	75902	10.52	58205	12.86		
440-143184-1	MW-02	63031	10.52	43299	12.86		
440-143184-2	MW-12	81087	10.50	43921	12.87		
440-143184-3	MW-14	74953	10.52	41945	12.90		

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	29104	5.39	24603	7.10	58074	8.35	
UPPER LIMIT	58208	5.89	49206	7.60	116148	8.85	
LOWER LIMIT	14552	4.89	12302	6.60	29037	7.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322773/1-A		16186	5.41	15408	7.12	39139	8.37
LCSD 440-322773/3-A		15241	5.39	13715	7.10	32720	8.35

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	101320	10.50	100610	12.82		
UPPER LIMIT	202640	11.00	201220	13.32		
LOWER LIMIT	50660	10.00	50305	12.32		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 440-322773/1-A		70316	10.50	65657	12.83	
LCSD 440-322773/3-A		56269	10.48	55034	12.79	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323808/1 Date Analyzed: 04/12/2016 16:59
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041201.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	26876	5.40	23936	7.11	55003	8.37
UPPER LIMIT	53752	5.90	47872	7.61	110006	8.87
LOWER LIMIT	13438	4.90	11968	6.61	27502	7.87
LAB SAMPLE ID	CLIENT SAMPLE ID					
440-143184-7	MW-21		22285	5.41	19830	7.12
					47150	8.37

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-323808/1 Date Analyzed: 04/12/2016 16:59
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041201.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	90177	10.52	93713	12.85		
UPPER LIMIT	180354	11.02	187426	13.35		
LOWER LIMIT	45089	10.02	46857	12.35		
LAB SAMPLE ID	CLIENT SAMPLE ID					
440-143184-7	MW-21		83382	10.50	83153	12.82

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		23798	5.38	19894	7.10	47525	8.34
UPPER LIMIT		47596	5.88	39788	7.60	95050	8.84
LOWER LIMIT		11899	4.88	9947	6.60	23763	7.84
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 440-322773/2-A		24050	5.38	20434	7.09	50833	8.34

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	73981	10.48	77875	12.79		
UPPER LIMIT	147962	10.98	155750	13.29		
LOWER LIMIT	36991	9.98	38938	12.29		
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 440-322773/2-A		88135	10.47	82072	12.77	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-02</u>	Lab Sample ID: <u>440-143184-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040719.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/31/2016 14:41</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1045(mL)</u>	Date Analyzed: <u>04/08/2016 01:52</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>20</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		3.8	
208-96-8	Acenaphthylene	ND		3.8	
120-12-7	Anthracene	ND		3.8	
56-55-3	Benzo[a]anthracene	ND		3.8	
50-32-8	Benzo[a]pyrene	ND		3.8	
205-99-2	Benzo[b]fluoranthene	ND		3.8	
191-24-2	Benzo[g,h,i]perylene	ND		3.8	
207-08-9	Benzo[k]fluoranthene	ND		3.8	
218-01-9	Chrysene	ND		3.8	
53-70-3	Dibenz(a,h)anthracene	ND		3.8	
206-44-0	Fluoranthene	ND		3.8	
86-73-7	Fluorene	4.8		3.8	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		3.8	
91-20-3	Naphthalene	9.9		3.8	
85-01-8	Phenanthrene	4.9		3.8	
129-00-0	Pyrene	ND		3.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	43		50-104
4165-60-0	Nitrobenzene-d5	0		46-109
1718-51-0	Terphenyl-d14	63		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-12</u>	Lab Sample ID: <u>440-143184-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040720.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/31/2016 16:10</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1040 (mL)</u>	Date Analyzed: <u>04/08/2016 02:12</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	3.7		0.96	
208-96-8	Acenaphthylene	ND		0.96	
120-12-7	Anthracene	ND		0.96	
56-55-3	Benzo[a]anthracene	ND		0.96	
50-32-8	Benzo[a]pyrene	ND		0.96	
205-99-2	Benzo[b]fluoranthene	ND		0.96	
191-24-2	Benzo[g,h,i]perylene	ND		0.96	
207-08-9	Benzo[k]fluoranthene	ND		0.96	
218-01-9	Chrysene	ND		0.96	
53-70-3	Dibenz(a,h)anthracene	ND		0.96	
206-44-0	Fluoranthene	ND		0.96	
86-73-7	Fluorene	12		0.96	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.96	
91-20-3	Naphthalene	8.6		0.96	
85-01-8	Phenanthrene	15		0.96	
129-00-0	Pyrene	8.9		0.96	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		50-104
4165-60-0	Nitrobenzene-d5	0		46-109
1718-51-0	Terphenyl-d14	129		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-14</u>	Lab Sample ID: <u>440-143184-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040721.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/31/2016 17:55</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1045(mL)</u>	Date Analyzed: <u>04/08/2016 02:33</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.38	
208-96-8	Acenaphthylene	ND		0.38	
120-12-7	Anthracene	ND		0.38	
56-55-3	Benzo[a]anthracene	ND		0.38	
50-32-8	Benzo[a]pyrene	ND		0.38	
205-99-2	Benzo[b]fluoranthene	ND		0.38	
191-24-2	Benzo[g,h,i]perylene	ND		0.38	
207-08-9	Benzo[k]fluoranthene	ND		0.38	
218-01-9	Chrysene	ND		0.38	
53-70-3	Dibenz(a,h)anthracene	ND		0.38	
206-44-0	Fluoranthene	ND		0.38	
86-73-7	Fluorene	5.0		0.38	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	
91-20-3	Naphthalene	4.3		0.38	
85-01-8	Phenanthrene	16		0.38	
129-00-0	Pyrene	4.1		0.38	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	16		50-104
4165-60-0	Nitrobenzene-d5	0		46-109
1718-51-0	Terphenyl-d14	98		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16</u>	Lab Sample ID: <u>440-143184-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040717.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/31/2016 09:20</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1040 (mL)</u>	Date Analyzed: <u>04/08/2016 01:10</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		50-104
4165-60-0	Nitrobenzene-d5	68		46-109
1718-51-0	Terphenyl-d14	82		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-17</u>	Lab Sample ID: <u>440-143184-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040718.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/31/2016 10:35</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1035(mL)</u>	Date Analyzed: <u>04/08/2016 01:31</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		50-104
4165-60-0	Nitrobenzene-d5	63		46-109
1718-51-0	Terphenyl-d14	66		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-21</u>	Lab Sample ID: <u>440-143184-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>J041203.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>04/01/2016 12:22</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1030 (mL)</u>	Date Analyzed: <u>04/12/2016 17:40</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>323808</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		50-104
4165-60-0	Nitrobenzene-d5	57		46-109
1718-51-0	Terphenyl-d14	73		28-124

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	0.9901 1.1816	1.0116 1.1993	0.9792 1.2241	1.0941 1.2337	1.1295	Ave		1.1159				9.1	15.0				
2-Methylnaphthalene	++++ 0.8542	0.7785 0.8878	0.6587 0.9470	0.8163 0.9598	0.7973	Ave		0.8374				11.7	15.0				
1-Methylnaphthalene	0.6357 0.8559	0.6962 0.8190	0.9521 0.9268	0.9346 0.9118	0.8072	Ave		0.8377				13.2	15.0				
Acenaphthylene	1.6019 1.8529	1.6468 1.9013	1.7514 1.9219	1.7914 2.0451	1.8597	Ave		1.8192				7.6	15.0				
Acenaphthene	0.9229 1.0848	0.9823 1.1244	1.0246 1.1603	1.0265 1.2105	1.1006	Ave		1.0708				8.4	15.0				
Fluorene	1.0959 1.5402	1.3206 1.5860	1.3247 1.6724	1.3890 1.7694	1.5457	Ave		1.4715				14.1	15.0				
Phenanthrene	0.9276 1.1228	0.9118 1.0941	0.9470 1.0941	1.0435 1.1219	1.0741	Ave		1.0374				8.2	15.0				
Anthracene	0.8833 1.3021	0.9336 1.2132	0.9475 1.2127	1.2429 1.1824	1.1588	Ave		1.1196				13.8	15.0				
Fluoranthene	1.6020 1.7793	1.4888 1.6786	1.6524 1.6914	1.8047 1.5180	1.7432	Ave		1.6620				6.6	15.0				
Pyrene	1.7051 1.8109	1.6244 1.7359	1.5741 1.7376	1.9081 1.4464	1.7991	Ave		1.7046				8.1	15.0				
Benzo[a]anthracene	1.1525 1.1818	1.1774 1.1845	1.1979 1.2022	1.1601 1.1818	1.1581	Ave		1.1774				1.5	15.0				
Chrysene	0.9440 1.2076	1.1516 1.1619	1.2694 1.1734	1.1177 1.1356	1.1088	Ave		1.1411				7.8	15.0				
Benzo[b]fluoranthene	1.1702 1.2149	1.2864 1.2970	1.1378 1.3215	1.1914 1.3230	1.2475	Ave		1.2433				5.5	15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321454
SDG No.: _____
Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Benzo[k]fluoranthene	1.1521 1.4528	1.0933 1.4603	1.2899 1.4489	1.3874 1.4676	1.3544	Ave		1.3452				10.4		15.0			
Benzo[a]pyrene	1.2586 1.2780	1.1643 1.2968	1.1823 1.3340	1.2188 1.3241	1.2400	Ave		1.2552				4.7		15.0			
Indeno[1,2,3-cd]pyrene	1.8059 1.6131	1.8120 1.5663	1.7522 1.5865	1.5980 1.5593	1.5387	Ave		1.6480				6.7		15.0			
Dibenz(a,h)anthracene	1.4314 1.4066	1.2434 1.3949	1.3240 1.4103	1.3812 1.4202	1.3414	Ave		1.3726				4.4		15.0			
Benzo[g,h,i]perylene	1.3002 1.1438	1.3586 1.0522	1.4526 1.0045	1.2114 0.9428	1.1070	Ave		1.1748				14.5		15.0			
Nitrobenzene-d5	+++++ 0.4466	+++++ 0.5332	0.4607 0.5724	0.4251 0.5709	0.5161	Ave		0.5036				11.9		15.0			
2-Fluorobiphenyl (Surr)	1.3053 1.5980	1.3959 1.7159	1.2678 1.7272	1.4263 1.7775	1.5828	Ave		1.5330				12.4		15.0			
Terphenyl-d14	1.0722 0.8399	0.9194 0.9118	0.9856 0.8941	0.9669 0.8613	0.8014	Ave		0.9170				9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	NPT	Ave	1542 72696	3198 246926	4986 302414	18561 862881	75012	50.0 2500	100 5000	250 10000	500 20000	1000
2-Methylnaphthalene	NPT	Ave	++++ 52552	2461 182801	3354 233965	13849 671357	52949	++++ 2500	100 5000	250 10000	500 20000	1000
1-Methylnaphthalene	NPT	Ave	990 52660	2201 168641	4848 228972	15856 637745	53612	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthylene	ANT	Ave	2371 104863	4917 322243	8032 427429	28509 1245358	97681	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthene	ANT	Ave	1366 61396	2933 190567	4699 258042	16335 737116	57807	50.0 2500	100 5000	250 10000	500 20000	1000
Fluorene	ANT	Ave	1622 87168	3943 268814	6075 371940	22105 1077517	81185	50.0 2500	100 5000	250 10000	500 20000	1000
Phenanthrene	PHN	Ave	3219 139227	6233 452334	11071 633447	36882 1803362	133516	50.0 2500	100 5000	250 10000	500 20000	1000
Anthracene	PHN	Ave	3065 161463	6382 501564	11076 702065	43931 1900472	144045	50.0 2500	100 5000	250 10000	500 20000	1000
Fluoranthene	PHN	Ave	5559 220646	10178 693952	19317 979229	63788 2439992	216685	50.0 2500	100 5000	250 10000	500 20000	1000
Pyrene	PHN	Ave	5917 224557	11105 717667	18401 1005979	67445 2324832	223635	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[a]anthracene	CRY	Ave	6886 246449	13224 803570	22282 1135590	73134 3269171	259210	50.0 2500	100 5000	250 10000	500 20000	1000
Chrysene	CRY	Ave	5640 251839	12934 788223	23611 1108382	70460 3141360	248185	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[b]fluoranthene	PRY	Ave	7455 280267	15808 911508	23080 1307963	78972 3536496	297120	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[k]fluoranthene	PRY	Ave	7340 335147	13435 1026243	26164 1433970	91964 3923010	322572	50.0 2500	100 5000	250 10000	500 20000	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143184-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]pyrene	PRY	Ave	8018 294818	14307 911371	23981 1320292	80790 3539448	295324	50.0 2500	100 5000	250 10000	500 20000	1000
Indeno[1,2,3-cd]pyrene	PRY	Ave	11505 372136	22267 1100794	35541 1570189	105925 4168160	366468	50.0 2500	100 5000	250 10000	500 20000	1000
Dibenz(a,h)anthracene	PRY	Ave	9119 324498	15279 980311	26856 1395789	91554 3796339	319476	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[g,h,i]perylene	PRY	Ave	8283 263867	16695 739466	29464 994162	80298 2520303	263660	50.0 2500	100 5000	250 10000	500 20000	1000
Nitrobenzene-d5	NPT	Ave	+++++ 27474	+++++ 109781	2346 141407	7212 399276	34276	+++++ 2500	+++++ 5000	250 10000	500 20000	1000
2-Fluorobiphenyl (Surr)	ANT	Ave	1932 90440	4168 290827	5814 384137	22698 1082418	83134	50.0 2500	100 5000	250 10000	500 20000	1000
Terphenyl-d14	CRY	Ave	6406 175158	10327 618567	18333 844554	60955 2382614	179384	50.0 2500	100 5000	250 10000	500 20000	1000

Curve Type Legend:

Ave = Average ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID (1): CCVIS 440-322907/1 Instrument ID (1): GCMS65
 GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/07/2016 19:41

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.72	100.0
Naphthalene	5.44	100.0
2-Fluorobiphenyl (Surr)	6.50	100.0
Acenaphthylene	7.01	100.0
Acenaphthene	7.16	100.0
Fluorene	7.61	100.0
Phenanthrene	8.40	100.0
Anthracene	8.45	100.0
Fluoranthene	9.33	100.0
Pyrene	9.51	100.0
Terphenyl-d14	9.61	100.0
Benzo[a]anthracene	10.52	100.0
Chrysene	10.56	100.0
Benzo[b]fluoranthene	12.08	65.70
Benzo[k]fluoranthene	12.13	100.0
Benzo[a]pyrene	12.76	100.0
Indeno[1,2,3-cd]pyrene	14.58	100.0
Dibenz(a,h)anthracene	14.60	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID (1): CCVIS 440-323269/1 Instrument ID (1): GCMS65
 GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/10/2016 00:36

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.69	100.0
Naphthalene	5.41	100.0
2-Fluorobiphenyl (Surr)	6.46	100.0
Acenaphthylene	6.98	100.0
Acenaphthene	7.13	100.0
Fluorene	7.58	100.0
Phenanthrene	8.37	100.0
Anthracene	8.41	100.0
Fluoranthene	9.30	100.0
Pyrene	9.49	100.0
Terphenyl-d14	9.59	100.0
Benzo[a]anthracene	10.49	100.0
Chrysene	10.53	100.0
Benzo[b]fluoranthene	12.03	64.20
Benzo[k]fluoranthene	12.08	100.0
Benzo[a]pyrene	12.69	100.0
Indeno[1,2,3-cd]pyrene	14.54	100.0
Dibenz(a,h)anthracene	14.55	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-323808/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/12/2016 16:59

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.70	100.0
Naphthalene	5.42	100.0
2-Fluorobiphenyl (Surr)	6.48	100.0
Acenaphthylene	6.99	100.0
Acenaphthene	7.15	100.0
Fluorene	7.60	100.0
Phenanthrene	8.38	100.0
Anthracene	8.43	100.0
Fluoranthene	9.31	100.0
Pyrene	9.50	100.0
Terphenyl-d14	9.60	100.0
Benzo[a]anthracene	10.51	100.0
Chrysene	10.55	100.0
Benzo[b]fluoranthene	12.06	59.50
Benzo[k]fluoranthene	12.11	100.0
Benzo[a]pyrene	12.73	100.0
Indeno[1,2,3-cd]pyrene	14.57	100.0
Dibenz(a,h)anthracene	14.58	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID (1): CCVIS 440-324076/1 Instrument ID (1): GCMS65
 GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/13/2016 16:46

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.68	100.0
Naphthalene	5.40	100.0
2-Fluorobiphenyl (Surr)	6.45	100.0
Acenaphthylene	6.97	100.0
Acenaphthene	7.12	100.0
Fluorene	7.58	100.0
Phenanthrene	8.36	100.0
Anthracene	8.41	100.0
Fluoranthene	9.29	100.0
Pyrene	9.46	100.0
Terphenyl-d14	9.56	100.0
Benzo[a]anthracene	10.47	100.0
Chrysene	10.51	100.0
Benzo[b]fluoranthene	12.00	60.60
Benzo[k]fluoranthene	12.05	100.0
Benzo[a]pyrene	12.66	100.0
Indeno[1,2,3-cd]pyrene	14.52	100.0
Dibenz(a,h)anthracene	14.54	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321454/10 Calibration Date: 03/31/2016 14:57
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J033110.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.133		1.02	1.00	1.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.8305		0.992	1.00	-0.8	20.0
1-Methylnaphthalene	Ave	0.8377	0.8337		0.995	1.00	-0.5	20.0
Acenaphthylene	Ave	1.819	1.798		0.988	1.00	-1.2	20.0
Acenaphthene	Ave	1.071	1.095		1.02	1.00	2.3	20.0
Fluorene	Ave	1.472	1.589		1.08	1.00	8.0	20.0
Phenanthrene	Ave	1.037	1.019		0.982	1.00	-1.8	20.0
Anthracene	Ave	1.120	1.209		1.08	1.00	8.0	20.0
Fluoranthene	Ave	1.662	1.693		1.02	1.00	1.8	20.0
Pyrene	Ave	1.705	1.734		1.02	1.00	1.7	20.0
Benzo[a]anthracene	Ave	1.177	1.153		0.979	1.00	-2.1	20.0
Chrysene	Ave	1.141	1.282		1.12	1.00	12.3	20.0
Benzo[b]fluoranthene	Ave	1.243	1.269		1.02	1.00	2.1	20.0
Benzo[k]fluoranthene	Ave	1.345	1.472		1.09	1.00	9.5	20.0
Benzo[a]pyrene	Ave	1.255	1.300		1.04	1.00	3.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.619		0.983	1.00	-1.7	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.463		1.07	1.00	6.6	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.238		1.05	1.00	5.4	20.0
Nitrobenzene-d5	Ave	0.5036	0.4573		0.908	1.00	-9.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.613		1.05	1.00	5.2	20.0
Terphenyl-d14	Ave	0.9170	0.8397		0.916	1.00	-8.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322907/1 Calibration Date: 04/07/2016 19:41
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.084		0.972	1.00	-2.8	20.0
2-Methylnaphthalene	Ave	0.8374	0.8034		0.959	1.00	-4.1	20.0
1-Methylnaphthalene	Ave	0.8377	0.8101		0.967	1.00	-3.3	20.0
Acenaphthylene	Ave	1.819	1.831		1.01	1.00	0.6	20.0
Acenaphthene	Ave	1.071	1.066		0.996	1.00	-0.4	20.0
Fluorene	Ave	1.472	1.548		1.05	1.00	5.2	20.0
Phenanthrene	Ave	1.037	1.047		1.01	1.00	0.9	20.0
Anthracene	Ave	1.120	1.179		1.05	1.00	5.3	20.0
Fluoranthene	Ave	1.662	1.624		0.977	1.00	-2.3	20.0
Pyrene	Ave	1.705	1.633		0.958	1.00	-4.2	20.0
Benzo[a]anthracene	Ave	1.177	1.133		0.963	1.00	-3.7	20.0
Chrysene	Ave	1.141	1.194		1.05	1.00	4.6	20.0
Benzo[b]fluoranthene	Ave	1.243	1.304		1.05	1.00	4.9	20.0
Benzo[k]fluoranthene	Ave	1.345	1.637		1.22	1.00	21.7*	20.0
Benzo[a]pyrene	Ave	1.255	1.265		1.01	1.00	0.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.510		0.916	1.00	-8.4	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.305		0.951	1.00	-4.9	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.208		1.03	1.00	2.9	20.0
Nitrobenzene-d5	Ave	0.5036	0.4260		0.846	1.00	-15.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.542		1.01	1.00	0.6	20.0
Terphenyl-d14	Ave	0.9170	0.9385		1.02	1.00	2.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323269/1 Calibration Date: 04/10/2016 00:36
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040901.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.145		1.03	1.00	2.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.7929		0.947	1.00	-5.3	20.0
1-Methylnaphthalene	Ave	0.8377	0.8315		0.993	1.00	-0.7	20.0
Acenaphthylene	Ave	1.819	1.787		0.982	1.00	-1.8	20.0
Acenaphthene	Ave	1.071	1.079		1.01	1.00	0.7	20.0
Fluorene	Ave	1.472	1.497		1.02	1.00	1.7	20.0
Phenanthrene	Ave	1.037	1.037		0.999	1.00	-0.0	20.0
Anthracene	Ave	1.120	1.166		1.04	1.00	4.2	20.0
Fluoranthene	Ave	1.662	1.677		1.01	1.00	0.9	20.0
Pyrene	Ave	1.705	1.736		1.02	1.00	1.9	20.0
Benzo[a]anthracene	Ave	1.177	1.123		0.954	1.00	-4.6	20.0
Chrysene	Ave	1.141	1.185		1.04	1.00	3.9	20.0
Benzo[b]fluoranthene	Ave	1.243	1.187		0.954	1.00	-4.6	20.0
Benzo[k]fluoranthene	Ave	1.345	1.519		1.13	1.00	13.0	20.0
Benzo[a]pyrene	Ave	1.255	1.253		0.999	1.00	-0.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.658		1.01	1.00	0.6	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.424		1.04	1.00	3.7	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.312		1.12	1.00	11.7	20.0
Nitrobenzene-d5	Ave	0.5036	0.5039		1.00	1.00	0.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.585		1.03	1.00	3.4	20.0
Terphenyl-d14	Ave	0.9170	0.8386		0.915	1.00	-8.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323808/1 Calibration Date: 04/12/2016 16:59
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J041201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.182		1.06	1.00	5.9	20.0
2-Methylnaphthalene	Ave	0.8374	0.7692		0.919	1.00	-8.1	20.0
1-Methylnaphthalene	Ave	0.8377	0.8745		1.04	1.00	4.4	20.0
Acenaphthylene	Ave	1.819	1.780		0.978	1.00	-2.2	20.0
Acenaphthene	Ave	1.071	1.026		0.958	1.00	-4.2	20.0
Fluorene	Ave	1.472	1.464		0.995	1.00	-0.5	20.0
Phenanthrene	Ave	1.037	1.023		0.986	1.00	-1.4	20.0
Anthracene	Ave	1.120	1.207		1.08	1.00	7.8	20.0
Fluoranthene	Ave	1.662	1.681		1.01	1.00	1.1	20.0
Pyrene	Ave	1.705	1.751		1.03	1.00	2.7	20.0
Benzo[a]anthracene	Ave	1.177	1.131		0.961	1.00	-3.9	20.0
Chrysene	Ave	1.141	1.207		1.06	1.00	5.8	20.0
Benzo[b]fluoranthene	Ave	1.243	1.216		0.978	1.00	-2.2	20.0
Benzo[k]fluoranthene	Ave	1.345	1.396		1.04	1.00	3.8	20.0
Benzo[a]pyrene	Ave	1.255	1.263		1.01	1.00	0.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.537		0.933	1.00	-6.7	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.360		0.991	1.00	-0.9	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.107		0.942	1.00	-5.8	20.0
Nitrobenzene-d5	Ave	0.5036	0.4459		0.886	1.00	-11.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.512		0.986	1.00	-1.4	20.0
Terphenyl-d14	Ave	0.9170	0.8373		0.913	1.00	-8.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-324076/1 Calibration Date: 04/13/2016 16:46
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J041301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.069		0.958	1.00	-4.2	20.0
2-Methylnaphthalene	Ave	0.8374	0.7667		0.916	1.00	-8.4	20.0
1-Methylnaphthalene	Ave	0.8377	0.7964		0.951	1.00	-4.9	20.0
Acenaphthylene	Ave	1.819	1.843		1.01	1.00	1.3	20.0
Acenaphthene	Ave	1.071	1.061		0.991	1.00	-0.9	20.0
Fluorene	Ave	1.472	1.515		1.03	1.00	2.9	20.0
Phenanthrene	Ave	1.037	1.013		0.977	1.00	-2.3	20.0
Anthracene	Ave	1.120	1.172		1.05	1.00	4.7	20.0
Fluoranthene	Ave	1.662	1.659		0.998	1.00	-0.2	20.0
Pyrene	Ave	1.705	1.709		1.00	1.00	0.3	20.0
Benzo[a]anthracene	Ave	1.177	1.169		0.993	1.00	-0.7	20.0
Chrysene	Ave	1.141	1.173		1.03	1.00	2.8	20.0
Benzo[b]fluoranthene	Ave	1.243	1.215		0.977	1.00	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.345	1.424		1.06	1.00	5.9	20.0
Benzo[a]pyrene	Ave	1.255	1.240		0.988	1.00	-1.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.580		0.958	1.00	-4.2	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.320		0.962	1.00	-3.8	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.216		1.03	1.00	3.5	20.0
Nitrobenzene-d5	Ave	0.5036	0.4460		0.886	1.00	-11.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.530		0.998	1.00	-0.2	20.0
Terphenyl-d14	Ave	0.9170	0.8674		0.946	1.00	-5.4	30.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322560/1-A
 Matrix: Water Lab File ID: J040712.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/06/2016 11:16
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/07/2016 23:27
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 322907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		50-104
4165-60-0	Nitrobenzene-d5	67		46-109
1718-51-0	Terphenyl-d14	87		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322773/1-A
 Matrix: Water Lab File ID: J040902.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/10/2016 00:57
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 323269 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		50-104
4165-60-0	Nitrobenzene-d5	70		46-109
1718-51-0	Terphenyl-d14	76		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 440-322560/2-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040713.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/06/2016 11:16</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/07/2016 23:48</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.710		0.20	
208-96-8	Acenaphthylene	0.673		0.20	
120-12-7	Anthracene	0.687		0.20	
56-55-3	Benzo[a]anthracene	0.689		0.20	
50-32-8	Benzo[a]pyrene	0.707		0.20	
205-99-2	Benzo[b]fluoranthene	0.762		0.20	
191-24-2	Benzo[g,h,i]perylene	0.740		0.20	
207-08-9	Benzo[k]fluoranthene	0.920		0.20	
218-01-9	Chrysene	0.759		0.20	
53-70-3	Dibenz(a,h)anthracene	0.686		0.20	
206-44-0	Fluoranthene	0.711		0.20	
86-73-7	Fluorene	0.758		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.655		0.20	
91-20-3	Naphthalene	0.614		0.20	
85-01-8	Phenanthrene	0.694		0.20	
129-00-0	Pyrene	0.691		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		50-104
4165-60-0	Nitrobenzene-d5	48		46-109
1718-51-0	Terphenyl-d14	75		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-322773/2-A
 Matrix: Water Lab File ID: J041302.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/13/2016 17:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 324076 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.667		0.20	
208-96-8	Acenaphthylene	0.636		0.20	
120-12-7	Anthracene	0.725		0.20	
56-55-3	Benzo[a]anthracene	0.657		0.20	
50-32-8	Benzo[a]pyrene	0.710		0.20	
205-99-2	Benzo[b]fluoranthene	0.713		0.20	
191-24-2	Benzo[g,h,i]perylene	0.868		0.20	
207-08-9	Benzo[k]fluoranthene	0.816		0.20	
218-01-9	Chrysene	0.770		0.20	
53-70-3	Dibenz(a,h)anthracene	0.770		0.20	
206-44-0	Fluoranthene	0.736		0.20	
86-73-7	Fluorene	0.685		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.747		0.20	
91-20-3	Naphthalene	0.577		0.20	
85-01-8	Phenanthrene	0.684		0.20	
129-00-0	Pyrene	0.725		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		50-104
4165-60-0	Nitrobenzene-d5	50		46-109
1718-51-0	Terphenyl-d14	72		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 440-322560/3-A
 Matrix: Water Lab File ID: J040714.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/06/2016 11:16
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/08/2016 00:09
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 322907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.708		0.20	
208-96-8	Acenaphthylene	0.716		0.20	
120-12-7	Anthracene	0.847		0.20	
56-55-3	Benzo[a]anthracene	0.762		0.20	
50-32-8	Benzo[a]pyrene	0.800		0.20	
205-99-2	Benzo[b]fluoranthene	0.881		0.20	
191-24-2	Benzo[g,h,i]perylene	0.833		0.20	
207-08-9	Benzo[k]fluoranthene	0.992		0.20	
218-01-9	Chrysene	0.883		0.20	
53-70-3	Dibenz(a,h)anthracene	0.752		0.20	
206-44-0	Fluoranthene	0.826		0.20	
86-73-7	Fluorene	0.842		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.740		0.20	
91-20-3	Naphthalene	0.658		0.20	
85-01-8	Phenanthrene	0.795		0.20	
129-00-0	Pyrene	0.807		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		50-104
4165-60-0	Nitrobenzene-d5	57		46-109
1718-51-0	Terphenyl-d14	85		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 440-322773/3-A
 Matrix: Water Lab File ID: J040904.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/10/2016 01:38
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 323269 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.641		0.20	
208-96-8	Acenaphthylene	0.628		0.20	
120-12-7	Anthracene	0.690		0.20	
56-55-3	Benzo[a]anthracene	0.689		0.20	
50-32-8	Benzo[a]pyrene	0.724		0.20	
205-99-2	Benzo[b]fluoranthene	0.740		0.20	
191-24-2	Benzo[g,h,i]perylene	0.911		0.20	
207-08-9	Benzo[k]fluoranthene	0.790		0.20	
218-01-9	Chrysene	0.831		0.20	
53-70-3	Dibenz(a,h)anthracene	0.778		0.20	
206-44-0	Fluoranthene	0.765		0.20	
86-73-7	Fluorene	0.680		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.760		0.20	
91-20-3	Naphthalene	0.544		0.20	
85-01-8	Phenanthrene	0.699		0.20	
129-00-0	Pyrene	0.729		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		50-104
4165-60-0	Nitrobenzene-d5	49		46-109
1718-51-0	Terphenyl-d14	75		28-124

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 03/31/2016 11:52Analysis Batch Number: 321454End Date: 03/31/2016 17:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICIS 440-321454/1		03/31/2016 11:52	1	J033101.D	ZB-5MS A 0.18 (mm)
STD50 440-321454/2 IC		03/31/2016 12:12	1	J033102.D	ZB-5MS A 0.18 (mm)
STD100 440-321454/3 IC		03/31/2016 12:33	1	J033103.D	ZB-5MS A 0.18 (mm)
STD250 440-321454/4 IC		03/31/2016 12:53	1	J033104.D	ZB-5MS A 0.18 (mm)
STD500 440-321454/5 IC		03/31/2016 13:14	1	J033105.D	ZB-5MS A 0.18 (mm)
STD2500 440-321454/6 IC		03/31/2016 13:35	1	J033106.D	ZB-5MS A 0.18 (mm)
STD5000 440-321454/7 IC		03/31/2016 13:55	1	J033107.D	ZB-5MS A 0.18 (mm)
STD10000 440-321454/8 IC		03/31/2016 14:16	1	J033108.D	ZB-5MS A 0.18 (mm)
STD20000 440-321454/9 IC		03/31/2016 14:36	1	J033109.D	ZB-5MS A 0.18 (mm)
ICV 440-321454/10		03/31/2016 14:57	1	J033110.D	ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:18	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:59	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:20	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:41	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:01	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:22	2.5		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/07/2016 19:41Analysis Batch Number: 322907End Date: 04/08/2016 03:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-322907/1		04/07/2016 19:41	1	J040701.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 20:02	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 20:22	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 20:43	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 21:03	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 21:24	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 21:45	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 22:05	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 22:26	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 22:46	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/07/2016 23:07	1		ZB-5MS A 0.18 (mm)
MB 440-322560/1-A		04/07/2016 23:27	1	J040712.D	ZB-5MS A 0.18 (mm)
LCS 440-322560/2-A		04/07/2016 23:48	1	J040713.D	ZB-5MS A 0.18 (mm)
LCSD 440-322560/3-A		04/08/2016 00:09	1	J040714.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 00:29	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 00:50	1		ZB-5MS A 0.18 (mm)
440-143184-4		04/08/2016 01:10	1	J040717.D	ZB-5MS A 0.18 (mm)
440-143184-5		04/08/2016 01:31	1	J040718.D	ZB-5MS A 0.18 (mm)
440-143184-1		04/08/2016 01:52	20	J040719.D	ZB-5MS A 0.18 (mm)
440-143184-2		04/08/2016 02:12	5	J040720.D	ZB-5MS A 0.18 (mm)
440-143184-3		04/08/2016 02:33	2	J040721.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 02:54	20		ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 03:14	20		ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 03:35	20		ZB-5MS A 0.18 (mm)
ZZZZZ		04/08/2016 03:55	20		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/10/2016 00:36Analysis Batch Number: 323269End Date: 04/10/2016 12:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-323269/1		04/10/2016 00:36	1	J040901.D	ZB-5MS A 0.18 (mm)
MB 440-322773/1-A		04/10/2016 00:57	1	J040902.D	ZB-5MS A 0.18 (mm)
LCSD 440-322773/3-A		04/10/2016 01:38	1	J040904.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 01:58	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:19	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 03:00	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 03:21	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:22	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:43	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:04	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:24	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:45	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:06	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:26	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:47	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:08	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:28	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:49	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:09	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:30	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:51	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 09:52	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:13	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:33	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:54	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:15	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:35	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:56	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:16	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:37	10		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65 Start Date: 04/12/2016 16:59Analysis Batch Number: 323808 End Date: 04/12/2016 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-323808/1		04/12/2016 16:59	1	J041201.D	ZB-5MS A 0.18 (mm)
440-143184-7		04/12/2016 17:40	1	J041203.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 18:01	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 18:21	25		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 18:42	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:02	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:23	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:43	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:04	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:24	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:45	40		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 21:06	200		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Instrument ID: GCMS65 Start Date: 04/13/2016 16:46Analysis Batch Number: 324076 End Date: 04/13/2016 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-324076/1		04/13/2016 16:46	1	J041301.D	ZB-5MS A 0.18 (mm)
LCS 440-322773/2-A		04/13/2016 17:07	1	J041302.D	ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 322560 Batch Start Date: 04/06/16 11:13 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322560/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322560/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCSD 440-322560/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143184-E-1	MW-02	3520C, 8270C SIM	T	1555 g	510 g	1045 mL	1 mL	7	>7
440-143184-E-2	MW-12	3520C, 8270C SIM	T	1550 g	510 g	1040 mL	1 mL	7	>7
440-143184-E-3	MW-14	3520C, 8270C SIM	T	1555 g	510 g	1045 mL	1 mL	7	>7
440-143184-E-4	MW-16	3520C, 8270C SIM	T	1550 g	510 g	1040 mL	1 mL	7	>7
440-143184-E-5	MW-17	3520C, 8270C SIM	T	1545 g	510 g	1035 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322560/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322560/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCSD 440-322560/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143184-E-1	MW-02	3520C, 8270C SIM	T		0.5 mL				
440-143184-E-2	MW-12	3520C, 8270C SIM	T		0.5 mL				
440-143184-E-3	MW-14	3520C, 8270C SIM	T		0.5 mL				
440-143184-E-4	MW-16	3520C, 8270C SIM	T		0.5 mL				
440-143184-E-5	MW-17	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270C SIM

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 322560 Batch Start Date: 04/06/16 11:13 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Satorius 14155
Extraction 1 End Time	4/7 6:50
Extraction 1 Start Time	4/6 12:50
N-evap ID	Rapid Vaps 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MEC12
Person's name who did the prep	GY
Vial ID	15350167

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322773/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143184-E-7	MW-21	3520C, 8270C SIM	T	1535 g	505 g	1030 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322773/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322773/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCS 440-322773/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143184-E-7	MW-21	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Balance ID	68
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Sartorius 14155
Extraction 1 End Time	4/8 5:50
Extraction 1 Start Time	4/7 10:53
N-evap ID	RAPIDVAPS 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MeCl2
Person's name who did the prep	GY
Vial ID	15350516

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

Project: EQPL Basin Jal Pump Station

Client Sample ID	Lab Sample ID
MW-02	440-143184-1
MW-12	440-143184-2
MW-14	440-143184-3
MW-16	440-143184-4
MW-17	440-143184-5
MW-18	440-143184-6
MW-21	440-143184-7

Comments:

Client Sample ID: MW-02	Lab Sample ID: 440-143184-1
Lab Name: TestAmerica Irvine	Job No.: 440-143184-1
SDG ID.:	
Matrix: Water	Date Sampled: 03/31/2016 14:41
Reporting Basis: WET	Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.046	0.010		mg/L			1	6010B
7440-39-3	Barium	4.2	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	0.0060	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.050	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-12

Lab Sample ID: 440-143184-2

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG ID.:

Matrix: Water

Date Sampled: 03/31/2016 16:10

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.24	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	ND	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-14

Lab Sample ID: 440-143184-3

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG ID.:

Matrix: Water

Date Sampled: 03/31/2016 17:55

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.29	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.016	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-16

Lab Sample ID: 440-143184-4

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG ID.:

Matrix: Water

Date Sampled: 03/31/2016 09:20

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.028	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	0.059	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.063	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-17

Lab Sample ID: 440-143184-5

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG ID.:

Matrix: Water

Date Sampled: 03/31/2016 10:35

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.012	0.010		mg/L			1	6010B
7440-39-3	Barium	0.040	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	0.012	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.053	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-18	Lab Sample ID: 440-143184-6
Lab Name: TestAmerica Irvine	Job No.: 440-143184-1
SDG ID.:	
Matrix: Water	Date Sampled: 03/31/2016 12:06
Reporting Basis: WET	Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.016	0.010		mg/L			1	6010B
7440-39-3	Barium	1.1	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	ND	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-21

Lab Sample ID: 440-143184-7

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2016 12:22

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.013	0.010		mg/L			1	6010B
7440-39-3	Barium	0.065	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.046	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

ICV Source: ME ICP ICV2_01222 Concentration Units: mg/L

CCV Source: ME ICP STD3_01238

Analyte	ICV 440-324263/5 04/14/2016 09:52				CCV 440-324263/12 04/14/2016 11:35				CCV 440-324263/24 04/14/2016 12:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	2.11		2.00	106	0.909		1.00	91	0.896		1.00	90
Arsenic	1.93		2.00	97	0.970		1.00	97	0.977		1.00	98
Barium	1.99		2.00	100	0.962		1.00	96	0.977		1.00	98
Beryllium	2.00		2.00	100	0.939		1.00	94	0.965		1.00	97
Cadmium	1.97		2.00	99	0.982		1.00	98	0.988		1.00	99
Chromium	1.91		2.00	95	1.02		1.00	102	1.04		1.00	104
Cobalt	2.01		2.00	100	0.955		1.00	95	0.961		1.00	96
Copper	2.01		2.00	100	0.938		1.00	94	0.938		1.00	94
Lead	1.91		2.00	95	0.971		1.00	97	0.987		1.00	99
Molybdenum	1.99		2.00	100	0.952		1.00	95	0.959		1.00	96
Nickel	2.08		2.00	104	0.956		1.00	96	0.962		1.00	96
Selenium	1.91		2.00	96	0.943		1.00	94	0.961		1.00	96
Silver	0.981		1.00	98	0.477		0.500	95	0.484		0.500	97
Thallium	1.91		2.00	96	0.958		1.00	96	0.965		1.00	96
Vanadium	1.96		2.00	98	0.955		1.00	95	0.957		1.00	96
Zinc	1.93		2.00	97	0.943		1.00	94	0.955		1.00	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	ICV 440-324089/1-A 04/14/2016 04:01				CCV 440-324089/3-A 04/14/2016 05:35				CCV 440-324089/3-A 04/14/2016 06:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	7.94		8.00	99	3.97		4.00	99	3.94		4.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	CCV 440-324089/3-A 04/14/2016 06:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.00		4.00	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICP7
 Lab Sample ID: CRI 440-324263/11 Concentration Units: mg/L
 CRQL Check Standard Source: ME ICP CRI3_02321

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0200	0.0203		101	50-150
Arsenic	0.0200	0.0234		117	50-150
Barium	0.0200	0.0194		97	50-150
Beryllium	0.00400	0.00429		107	50-150
Cadmium	0.0100	0.00926		93	50-150
Chromium	0.0100	0.0101		101	50-150
Cobalt	0.0200	0.0198		99	50-150
Copper	0.0200	0.0167		83	50-150
Lead	0.0100	0.0107		107	50-150
Molybdenum	0.0400	0.0366		92	50-150
Nickel	0.0200	0.0201		100	50-150
Selenium	0.0200	0.0156		78	50-150
Silver	0.0200	0.0191		96	50-150
Thallium	0.0200	0.0172		86	50-150
Vanadium	0.0200	0.0186		93	50-150
Zinc	0.0400	0.0395		99	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Method: 7470A Instrument ID: CV-HG3
 Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.253		127	50-150

Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.247		124	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 440-324263/6 04/14/2016 09:54		CCB 440-324263/13 04/14/2016 11:37		CCB 440-324263/25 04/14/2016 12:09			
		Found	C	Found	C	Found	C	Found	C
Antimony	0.010	ND		0.0121		ND			
Arsenic	0.010	ND		ND		ND			
Barium	0.010	ND		ND		ND			
Beryllium	0.0020	ND		ND		ND			
Cadmium	0.0050	ND		ND		ND			
Chromium	0.0050	ND		ND		ND			
Cobalt	0.010	ND		ND		ND			
Copper	0.010	ND		ND		ND			
Lead	0.0050	ND		ND		ND			
Molybdenum	0.020	ND		ND		ND			
Nickel	0.010	ND		ND		ND			
Selenium	0.010	ND		ND		ND			
Silver	0.010	ND		ND		ND			
Thallium	0.010	ND		ND		ND			
Vanadium	0.010	ND		ND		ND			
Zinc	0.020	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 440-324089/2-A 04/14/2016 04:04		CCB 440-324089/4-A 04/14/2016 05:38		CCB 440-324089/4-A 04/14/2016 06:07		CCB 440-324089/4-A 04/14/2016 06:37	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323719/1-B
Instrument Code: ICP7 Batch No.: 324263

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-92-1	Lead	ND			6010B
7439-98-7	Molybdenum	ND			6010B
7440-02-0	Nickel	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323719/1-C
Instrument Code: CV-HG3 Batch No.: 324216

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: ICSA 440-324263/7 Instrument ID: ICP7
 Lab File ID: 160414-2C.prn ICS Source: ME ICP IFA_01259
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.0076	
Arsenic		0.0125	
Barium		0.0092	
Beryllium		0.0000	
Cadmium		0.0003	
Chromium		-0.0008	
Cobalt		0.0178	
Copper		0.0016	
Lead		0.0034	
Molybdenum		-0.0016	
Nickel		0.0056	
Selenium		0.0115	
Silver		0.0029	
Thallium		0.0054	
Vanadium		-0.0067	
Zinc		0.0336	
<i>Aluminum</i>	<i>600</i>	<i>628</i>	<i>105</i>
<i>Boron</i>		<i>-0.0798</i>	
<i>Calcium</i>	<i>600</i>	<i>570</i>	<i>95</i>
<i>Iron</i>	<i>600</i>	<i>550</i>	<i>92</i>
<i>Magnesium</i>	<i>600</i>	<i>556</i>	<i>93</i>
<i>Manganese</i>		<i>-0.0039</i>	
<i>Potassium</i>		<i>-0.0904</i>	
<i>Silicon</i>		<i>0.0019</i>	
<i>Sodium</i>		<i>0.0334</i>	
<i>Strontium</i>		<i>0.0027</i>	
<i>Tin</i>		<i>-0.0283</i>	
<i>Titanium</i>		<i>-0.0062</i>	
<i>Tungsten</i>		<i>-0.0199</i>	
<i>Zirconium</i>		<i>0.0021</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Lab Sample ID: ICSAB 440-324263/8 Instrument ID: ICP7
 Lab File ID: 160414-2C.prn ICS Source: ME ICP IFB_01279
 Concentration Units: mg/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Antimony	0.500	0.506	101
Arsenic	0.500	0.492	98
Barium	0.500	0.495	99
Beryllium	0.500	0.465	93
Cadmium	0.500	0.449	90
Chromium	0.500	0.463	93
Cobalt	0.500	0.476	95
Copper	0.500	0.570	114
Lead	0.500	0.441	88
Molybdenum	0.500	0.461	92
Nickel	0.500	0.462	92
Selenium	0.500	0.449	90
Silver	0.250	0.271	108
Thallium	0.500	0.413	83
Vanadium	0.500	0.475	95
Zinc	0.500	0.536	107
<i>Aluminum</i>	<i>601</i>	<i>665</i>	<i>111</i>
<i>Boron</i>	<i>0.500</i>	<i>0.406</i>	<i>81</i>
<i>Calcium</i>	<i>601</i>	<i>603</i>	<i>100</i>
<i>Iron</i>	<i>601</i>	<i>592</i>	<i>99</i>
<i>Lithium</i>	<i>0.500</i>	<i>0.548</i>	<i>110</i>
<i>Magnesium</i>	<i>601</i>	<i>580</i>	<i>97</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.448</i>	<i>90</i>
<i>Potassium</i>	<i>10.0</i>	<i>11.4</i>	<i>114</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.48</i>	<i>99</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.530</i>	<i>106</i>
<i>Tin</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Titanium</i>	<i>0.500</i>	<i>0.485</i>	<i>97</i>
<i>Tungsten</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Zirconium</i>	<i>0.500</i>	<i>0.493</i>	<i>99</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-16 MS Lab ID: 440-143184-4 MS
Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.00776	ND	0.00800	97	70-130		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-16 MSD Lab ID: 440-143184-4 MSD
Lab Name: TestAmerica Irvine Job No.: 440-143184-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.00792	0.00800	99	70-130	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323719/2-B

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1B_00036

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	1.00	0.913		91	80	120		6010B
Arsenic	1.00	0.938		94	80	120		6010B
Barium	1.00	0.968		97	80	120		6010B
Beryllium	1.00	0.962		96	80	120		6010B
Cadmium	1.00	0.969		97	80	120		6010B
Chromium	1.00	1.01		101	80	120		6010B
Cobalt	1.00	0.972		97	80	120		6010B
Copper	1.00	0.944		94	80	120		6010B
Lead	1.00	0.983		98	80	120		6010B
Molybdenum	1.00	0.944		94	80	120		6010B
Nickel	1.00	0.949		95	80	120		6010B
Selenium	1.00	0.886		89	80	120		6010B
Silver	0.500	0.488		98	80	120		6010B
Thallium	1.00	0.955		95	80	120		6010B
Vanadium	1.00	0.943		94	80	120		6010B
Zinc	1.00	0.912		91	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - DISSOLVED

Lab ID: LCSD 440-323719/17-B

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1B_00036

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	0.874	1.00	87	80-120	4	20		6010B
Arsenic	0.899	1.00	90	80-120	4	20		6010B
Barium	0.942	1.00	94	80-120	3	20		6010B
Beryllium	0.913	1.00	91	80-120	5	20		6010B
Cadmium	0.944	1.00	94	80-120	3	20		6010B
Chromium	0.997	1.00	100	80-120	1	20		6010B
Cobalt	0.936	1.00	94	80-120	4	20		6010B
Copper	0.904	1.00	90	80-120	4	20		6010B
Lead	0.942	1.00	94	80-120	4	20		6010B
Molybdenum	0.926	1.00	93	80-120	2	20		6010B
Nickel	0.923	1.00	92	80-120	3	20		6010B
Selenium	0.844	1.00	84	80-120	5	20		6010B
Silver	0.474	0.500	95	80-120	3	20		6010B
Thallium	0.916	1.00	92	80-120	4	20		6010B
Vanadium	0.914	1.00	91	80-120	3	20		6010B
Zinc	0.883	1.00	88	80-120	3	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323719/2-C

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

Sample Matrix: Water

LCS Source: ME 1PPM HG1_00252

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00800	0.00797		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143184-1
SDG Number: _____
Matrix: Water Instrument ID: ICP7
Method: 6010B MDL Date: 07/30/2014 00:00
Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Antimony	206.833	0.01	0.006
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143184-1
SDG Number: _____
Matrix: Water Instrument ID: ICP7
Method: 6010B XMDL Date: 11/20/2014 17:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Antimony	206.833	0.01	0.006
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143184-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A MDL Date: 07/06/2011 10:19
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.0001

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143184-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A XMDL Date: 11/09/2010 14:01

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.1

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215	0	0												
Antimony	206.836	0	0												
Arsenic	188.979	0	0												
Barium	233.527	0	0												
Beryllium	313.107	0	0.106816												
Boron	249.677	0	0												
Cadmium	214.440	0	0												
Calcium	315.887	0	0												
Chromium	205.560	0	0												
Cobalt	228.616	0	0												
Copper	324.752	0	0												
Iron	238.204	0	0												
Lead	220.353	0	-0.337594												
Lithium	610.362	0	0												
Magnesium	279.077	0	0												
Manganese	257.610	0	0												
Molybdenum	202.031	0	0												
Nickel	231.604	0	0												
Phosphorus	214.914	0	1.441484												
Potassium	766.490	0	0												
Selenium	196.026	0	0												
Silicon	251.611	0	2.799465												
Silver	328.068	0	6.393244												
Sodium	589.592	0	0												
Strontium	421.552	0	0												
Thallium	190.801	0	0												
Tin	189.927	0	0												
Titanium	334.903	0	0												
Tungsten	2070912	12.519331	1.078359												
Vanadium	292.402	0	0												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215	0	0												
Antimony	206.836	0	0												
Arsenic	188.979	0	0												
Barium	233.527	0	0												
Beryllium	313.107	0	0.106816												
Boron	249.677	0	0												
Cadmium	214.440	0	0												
Calcium	315.887	0	0												
Chromium	205.560	0	0												
Cobalt	228.616	0	0												
Copper	324.752	0	0												
Iron	238.204	0	0												
Lead	220.353	0	-0.337594												
Lithium	610.362	0	0												
Magnesium	279.077	0	0												
Manganese	257.610	0	0												
Molybdenum	202.031	0	0												
Nickel	231.604	0	0												
Phosphorus	214.914	0	1.441484												
Potassium	766.490	0	0												
Selenium	196.026	0	0												
Silicon	251.611	0	2.799465												
Silver	328.068	0	6.393244												
Sodium	589.592	0	0												
Strontium	421.552	0	0												
Thallium	190.801	0	0												
Tin	189.927	0	0												
Titanium	334.903	0	0												
Tungsten	2070912	12.519331	1.078359												
Vanadium	292.402	0	0												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143184-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143184-1

SDG No.: _____

Instrument ID: ICP7

Date: 01/01/2011 08:48

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Antimony		30	6010B
Arsenic		30	6010B
Barium		30	6010B
Beryllium		30	6010B
Cadmium		30	6010B
Chromium		30	6010B
Cobalt		30	6010B
Copper		30	6010B
Lead		30	6010B
Molybdenum		30	6010B
Nickel		30	6010B
Selenium		30	6010B
Silver		10	6010B
Thallium		30	6010B
Vanadium		30	6010B
Zinc		30	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143184-1

SDG No.: _____

Instrument ID: CV-HG3

Date: 01/01/2014 16:58

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		15	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323719/1-B	04/13/2016 10:32	323971		25	25
LCS 440-323719/2-B	04/13/2016 10:32	323971		25	25
LCSD 440-323719/17-B	04/13/2016 10:32	323971		25	25
440-143184-1	04/13/2016 10:32	323971		25	25
440-143184-2	04/13/2016 10:32	323971		25	25
440-143184-3	04/13/2016 10:32	323971		25	25
440-143184-4	04/13/2016 10:32	323971		25	25
440-143184-5	04/13/2016 10:32	323971		25	25
440-143184-6	04/13/2016 10:32	323971		25	25
440-143184-7	04/13/2016 10:32	323971		25	25

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323719/1-C	04/13/2016 17:49	324101		20	20
LCS 440-323719/2-C	04/13/2016 17:49	324101		20	20
440-143184-4	04/13/2016 17:49	324101		20	20
440-143184-4 MS	04/13/2016 17:49	324101		20	20
440-143184-4 MSD	04/13/2016 17:49	324101		20	20
440-143184-2	04/13/2016 17:49	324101		20	20
440-143184-3	04/13/2016 17:49	324101		20	20
440-143184-1	04/13/2016 17:49	324101		20	20
440-143184-5	04/13/2016 17:49	324101		20	20
440-143184-6	04/13/2016 17:49	324101		20	20
440-143184-7	04/13/2016 17:49	324101		20	20

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143184-1</u>
SDG No.: _____	
Instrument ID: <u>ICP7</u>	Analysis Method: <u>6010B</u>
Start Date: <u>04/14/2016 09:39</u>	End Date: <u>04/14/2016 12:31</u>

[illegible]

Prep Types:

D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.: _____

Instrument ID: CV-HG3

Analysis Method: 7470A

Start Date: 04/14/2016 03:45

End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
IC 440-324089/6-A	1		03:45	X																									
IC 440-324089/7-A	1		03:47	X																									
IC 440-324089/8-A	1		03:50	X																									
IC 440-324089/9-A	1		03:53	X																									
IC 440-324089/10-A	1		03:55	X																									
IC 440-324089/11-A	1		03:58	X																									
ICV 440-324089/1-A	1		04:01	X																									
ICB 440-324089/2-A	1		04:04	X																									
CRA 440-324089/5-A	1		04:06	X																									
ZZZZZZ			04:09																										
ZZZZZZ			04:12																										
ZZZZZZ			04:15																										
ZZZZZZ			04:17																										
ZZZZZZ			04:20																										
ZZZZZZ			04:23																										
ZZZZZZ			04:25																										
ZZZZZZ			04:28																										
ZZZZZZ			04:31																										
ZZZZZZ			04:33																										
CCV 440-324089/3-A			04:36																										
CCB 440-324089/4-A			04:39																										
ZZZZZZ			04:41																										
ZZZZZZ			04:44																										
ZZZZZZ			04:47																										
ZZZZZZ			04:49																										
ZZZZZZ			04:52																										
ZZZZZZ			04:55																										
ZZZZZZ			04:57																										
ZZZZZZ			05:00																										
ZZZZZZ			05:03																										
CCV 440-324089/3-A			05:06																										
CCB 440-324089/4-A			05:08																										
ZZZZZZ			05:11																										
ZZZZZZ			05:13																										
ZZZZZZ			05:16																										
ZZZZZZ			05:19																										
ZZZZZZ			05:22																										
ZZZZZZ			05:24																										
ZZZZZZ			05:27																										
ZZZZZZ			05:30																										
ZZZZZZ			05:32																										
CCV 440-324089/3-A	1		05:35	X																									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143184-1

SDG No.: _____

Instrument ID: CV-HG3

Analysis Method: 7470A

Start Date: 04/14/2016 03:45

End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A	1		05:38	X																									
ZZZZZZ			05:40																										
ZZZZZZ			05:43																										
ZZZZZZ			05:46																										
ZZZZZZ			05:48																										
MB 440-323719/1-C	1	D	05:51	X																									
LCS 440-323719/2-C	1	D	05:54	X																									
440-143184-4	1	D	05:56	X																									
440-143184-4 MS	1	D	05:59	X																									
440-143184-4 MSD	1	D	06:02	X																									
CCV 440-324089/3-A	1		06:05	X																									
CCB 440-324089/4-A	1		06:07	X																									
440-143184-2	1	D	06:10	X																									
440-143184-3	1	D	06:13	X																									
440-143184-1	1	D	06:15	X																									
440-143184-5	1	D	06:18	X																									
440-143184-6	1	D	06:21	X																									
440-143184-7	1	D	06:23	X																									
ZZZZZZ			06:26																										
ZZZZZZ			06:29																										
ZZZZZZ			06:31																										
CCV 440-324089/3-A	1		06:34	X																									
CCB 440-324089/4-A	1		06:37	X																									
ZZZZZZ			06:39																										
ZZZZZZ			06:42																										
ZZZZZZ			06:45																										
ZZZZZZ			06:47																										
ZZZZZZ			06:50																										
ZZZZZZ			06:53																										
ZZZZZZ			06:56																										
ZZZZZZ			06:58																										
ZZZZZZ			07:01																										
CCV 440-324089/3-A			07:04																										
CCB 440-324089/4-A			07:06																										
ZZZZZZ			07:09																										
ZZZZZZ			07:12																										
ZZZZZZ			07:14																										
ZZZZZZ			07:17																										
ZZZZZZ			07:20																										
ZZZZZZ			07:22																										
ZZZZZZ			07:25																										
CCV 440-324089/3-A			07:28																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143184-1
 SDG No.: _____
 Instrument ID: CV-HG3 Analysis Method: 7470A
 Start Date: 04/14/2016 03:45 End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A			07:31																										
CRA 440-324089/5-A	1		07:33	X																									
ZZZZZZ			07:36																										
ZZZZZZ			07:39																										
ZZZZZZ			07:41																										
ZZZZZZ			07:44																										
CCV 440-324089/3-A			08:52																										
CCB 440-324089/4-A			08:55																										
ZZZZZZ			08:57																										
ZZZZZZ			09:00																										
ZZZZZZ			09:03																										
ZZZZZZ			09:06																										
ZZZZZZ			09:08																										
CCV 440-324089/3-A			09:11																										
CCB 440-324089/4-A			09:14																										
CRA 440-324089/5-A			09:16																										

Prep Types: _____
 D = Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 323719 Batch Start Date: 04/12/16 13:07 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 21:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323719/1		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
LCS 440-323719/2		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
440-143184-D-1	MW-02	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-2	MW-12	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-3	MW-14	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-4	MW-16	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-5	MW-17	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-6	MW-18	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143184-D-7	MW-21	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
LCSD 440-323719/17		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 323971 Batch Start Date: 04/13/16 10:32 Batch Analyst: Nguyen, Quynh 1

Batch Method: 3005A Batch End Date: 04/13/16 15:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00317	ME HNO3 00327	ME ICP2 ICP1A 00038
MB 440-323719/1-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-323719/2-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	250 uL
LCS 440-323719/17-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	250 uL
440-143184-D-1-A	MW-02	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-2-A	MW-12	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-3-A	MW-14	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-4-A	MW-16	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-5-A	MW-17	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-6-A	MW-18	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143184-D-7-A	MW-21	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICP1B 00036					
MB 440-323719/1-A		3005A, 6010B							
LCS 440-323719/2-A		3005A, 6010B		250 uL					
LCS 440-323719/17-A		3005A, 6010B		250 uL					
440-143184-D-1-A	MW-02	3005A, 6010B	D						
440-143184-D-2-A	MW-12	3005A, 6010B	D						
440-143184-D-3-A	MW-14	3005A, 6010B	D						
440-143184-D-4-A	MW-16	3005A, 6010B	D						
440-143184-D-5-A	MW-17	3005A, 6010B	D						
440-143184-D-6-A	MW-18	3005A, 6010B	D						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 323971 Batch Start Date: 04/13/16 10:32 Batch Analyst: Nguyen, Quynh 1Batch Method: 3005A Batch End Date: 04/13/16 15:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICV1B 00036					
440-143184-D-7-A	MW-21	3005A, 6010B	D						

Batch Notes	
First End time	14:59
Lot # of hydrochloric acid	4115100
Lot # of Nitric Acid	0000129810
Hot Block ID	6
Oven, Bath or Block Temperature 1	93
Oven, Bath or Block Temperature 2	92
Pipette ID	100
First Start time	10:47
Thermometer ID	P121 CF 0.0 LOC C4
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	92 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 323719 Batch Start Date: 04/12/16 13:07 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 21:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323719/1		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
LCS 440-323719/2		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
440-143184-D-1	MW-02	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-2	MW-12	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-3	MW-14	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-4	MW-16	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-5	MW-17	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-6	MW-18	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143184-D-7	MW-21	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai ThanhBatch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME 1PPM HG2 00245	ME H2SO4 00066	ME HNO3 00318
ICV 440-324089/1		245.1, 7470A		20 mL	20 mL		160 uL	1 mL	0.5 mL
ICB 440-324089/2		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CCV 440-324089/3		245.1, 7470A		20 mL	20 mL	80 uL		1 mL	0.5 mL
CCB 440-324089/4		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CRA 440-324089/5		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/6		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
IC 440-324089/7		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/8		245.1, 7470A		20 mL	20 mL	20 uL		1 mL	0.5 mL
IC 440-324089/9		245.1, 7470A		20 mL	20 mL	100 uL		1 mL	0.5 mL
IC 440-324089/10		245.1, 7470A		20 mL	20 mL	200 uL		1 mL	0.5 mL
IC 440-324089/11		245.1, 7470A		20 mL	20 mL	300 uL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
ICV 440-324089/1		245.1, 7470A		2 mL	1.6 mL	3 mL			
ICB 440-324089/2		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCV 440-324089/3		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCB 440-324089/4		245.1, 7470A		2 mL	1.6 mL	3 mL			
CRA 440-324089/5		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/6		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/7		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/8		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/9		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/10		245.1, 7470A		2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai ThanhBatch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
IC 440-324089/11		245.1, 7470A		2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hood ID	3
Hot Block ID	8
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-122 cf 0.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 324101 Batch Start Date: 04/13/16 17:49 Batch Analyst: Bui, Dai ThanhBatch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME H2SO4 00066	ME HNO3 00318
MB 440-323719/1-A		7470A, 7470A			20 mL	20 mL		1 mL	0.5 mL
LCS 440-323719/2-A		7470A, 7470A			20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143184-D-4-A	MW-16	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-4-A MS	MW-16	7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143184-D-4-A MSD	MW-16	7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143184-D-2-A	MW-12	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-3-A	MW-14	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-1-A	MW-02	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-5-A	MW-17	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-6-A	MW-18	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143184-D-7-A	MW-21	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
MB 440-323719/1-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
LCS 440-323719/2-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
440-143184-D-4-A	MW-16	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-4-A MS	MW-16	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-4-A MSD	MW-16	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-2-A	MW-12	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-3-A	MW-14	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-1-A	MW-02	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143184-1

SDG No.: _____

Batch Number: 324101 Batch Start Date: 04/13/16 17:49 Batch Analyst: Bui, Dai ThanhBatch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
440-143184-D-5-A	MW-17	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-6-A	MW-18	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-7-A	MW-21	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hot Block ID	3
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	94 Celsius
Oven, Bath or Block Temperature 2	94 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-095 of -1.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

Page 2 of 2

Shipping and Receiving Documents



Shell Oil Products Chain Of Custody Record

[illegible]

55.14.0. IR-73 Fed: 7827.2007 9149

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 440-143184-1

Login Number: 143184
List Number: 1
Creator: Garcia, Veronica G

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 440-143186-1

Job Description: EQPL Basin Jal Pump Station

For:
AECOM Technical Services Inc.
7720 North 16th Street
Suite 100
Phoenix, AZ 85020
Attention: Mr. Iain Olness



Approved for release.
Beth Riley
Project Manager II
4/20/2016 1:46 PM

Beth Riley, Project Manager II
880 Riverside Parkway, West Sacramento, CA, 95605
(714)258-8610
beth.riley@testamericainc.com
04/20/2016

Table of Contents

Cover Title Page	1
Data Summaries	5
Definitions	5
Case Narrative	6
Detection Summary	7
Client Sample Results	9
Default Detection Limits	18
Surrogate Summary	19
QC Sample Results	20
QC Association	29
Chronicle	33
Certification Summary	36
Method Summary	37
Sample Summary	38
Manual Integration Summary	39
Reagent Traceability	45
Organic Sample Data	88
GC/MS VOA	88
Method 8260B Low Level	88
Method 8260B Low Level QC Summary	89
Method 8260B Low Level Sample Data	110
Standards Data	117
Method 8260B Low Level ICAL Data	117
Method 8260B Low Level CCAL Data	149
Raw QC Data	161
Method 8260B Low Level Blank Data	161

Table of Contents

Method 8260B Low Level LCS/LCSD Data	163
Method 8260B Low Level MS/MSD Data	165
Method 8260B Low Level Run Logs	169
GC/MS Semi VOA	173
Method 8270C SIM	173
Method 8270C SIM QC Summary	174
Method 8270C SIM Sample Data	191
Standards Data	198
Method 8270C SIM ICAL Data	198
Method 8270C SIM Resolution Data	202
Method 8270C SIM CCAL Data	206
Raw QC Data	211
Method 8270C SIM Blank Data	211
Method 8270C SIM LCS/LCSD Data	213
Method 8270C SIM Run Logs	217
Method 8270C SIM Prep Data	222
Inorganic Sample Data	226
Metals Data	226
Met Cover Page	227
Met Sample Data	228
Met QC Data	235
Met ICV/CCV	235
Met CRQL	241
Met Blanks	244
Met ICSA/ICSAB	251
Met MS/MSD/PDS	255

Table of Contents

Met LCS/LCSD	257
Met MDL	262
Met IECF	268
Met Linear Ranges	284
Met Preparation Log	286
Met Analysis Run Log	288
Met Prep Data	293
Shipping and Receiving Documents	301
Client Chain of Custody	302
Sample Receipt Checklist	303

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
M1	Matrix spike recovery was high, the method control sample was acceptable.
R6	LFB/LFBD RPD exceeded method control limit. Recovery met acceptance criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
440-143186-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, pH of 5 was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-04 (440-143186-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322273 and analytical batch 440-322558. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C SIM: Surrogate recovery for the following sample was outside control limits: MW-22 (440-143186-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-322773 and analytical batch 440-324076. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 440-323719, 440-323719 and 440-323971 and analytical batch 440-324263.

Method(s) 6010B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 440-323719, 440-323719 and 440-323971 and analytical batch 440-324184.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-01

Lab Sample ID: 440-143186-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.014		0.010		mg/L	1		6010B	Dissolved
Barium	0.030		0.010		mg/L	1		6010B	Dissolved
Nickel	0.013		0.010		mg/L	1		6010B	Dissolved
Selenium	0.024		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.057		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 440-143186-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	6.1		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	3.5		1.0		ug/L	1		8260B	Total/NA
o-Xylene	7.7		0.50		ug/L	1		8260B	Total/NA
Toluene	1.1		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	11		1.0		ug/L	1		8260B	Total/NA
Acenaphthene	0.44		0.38		ug/L	2		8270C SIM	Total/NA
Fluorene	1.2		0.38		ug/L	2		8270C SIM	Total/NA
Naphthalene	3.3		0.38		ug/L	2		8270C SIM	Total/NA
Phenanthrene	0.88		0.38		ug/L	2		8270C SIM	Total/NA
Arsenic	0.048		0.010		mg/L	1		6010B	Dissolved
Barium	0.91		0.010		mg/L	1		6010B	Dissolved
Selenium	0.013		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.036		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 440-143186-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	1.0		0.94		ug/L	5		8270C SIM	Total/NA
Barium	0.36		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.018		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 440-143186-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.014		0.010		mg/L	1		6010B	Dissolved
Barium	0.075		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.058		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-19

Lab Sample ID: 440-143186-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	12		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	21		1.0		ug/L	1		8260B	Total/NA
o-Xylene	21		0.50		ug/L	1		8260B	Total/NA
Toluene	0.75		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	42		1.0		ug/L	1		8260B	Total/NA
Acenaphthene	0.80		0.38		ug/L	2		8270C SIM	Total/NA
Fluorene	2.2		0.38		ug/L	2		8270C SIM	Total/NA
Naphthalene	4.9		0.38		ug/L	2		8270C SIM	Total/NA
Phenanthrene	1.1		0.38		ug/L	2		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-19 (Continued)

Lab Sample ID: 440-143186-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.40		0.38		ug/L	2		8270C SIM	Total/NA
Arsenic	0.016		0.010		mg/L	1		6010B	Dissolved
Barium	1.4		0.010		mg/L	1		6010B	Dissolved
Nickel	0.011		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.012		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-20

Lab Sample ID: 440-143186-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		0.50		ug/L	1		8260B	Total/NA
Ethylbenzene	34		0.50		ug/L	1		8260B	Total/NA
m,p-Xylene	3.2		1.0		ug/L	1		8260B	Total/NA
o-Xylene	1.7		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	4.9		1.0		ug/L	1		8260B	Total/NA
Acenaphthene	1.5		0.75		ug/L	4		8270C SIM	Total/NA
Fluorene	4.6		0.75		ug/L	4		8270C SIM	Total/NA
Naphthalene	14		0.75		ug/L	4		8270C SIM	Total/NA
Phenanthrene	6.1		0.75		ug/L	4		8270C SIM	Total/NA
Pyrene	2.2		0.75		ug/L	4		8270C SIM	Total/NA
Arsenic	0.023		0.010		mg/L	1		6010B	Dissolved
Barium	4.3		0.010		mg/L	1		6010B	Dissolved

Client Sample ID: MW-22

Lab Sample ID: 440-143186-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.059		0.010		mg/L	1		6010B	Dissolved
Vanadium	0.043		0.010		mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-01

Date Collected: 03/30/16 08:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 15:11	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 15:11	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 15:11	1
o-Xylene	ND		0.50		ug/L			04/07/16 15:11	1
Toluene	ND		0.50		ug/L			04/07/16 15:11	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		80 - 120		04/07/16 15:11	1
Dibromofluoromethane (Surr)	127		76 - 132		04/07/16 15:11	1
Toluene-d8 (Surr)	116		80 - 128		04/07/16 15:11	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Acenaphthylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Benzo[a]anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Benzo[a]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Chrysene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Fluorene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Naphthalene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Phenanthrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1
Pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		50 - 104	04/05/16 10:08	04/06/16 16:30	1
Nitrobenzene-d5	60		46 - 109	04/05/16 10:08	04/06/16 16:30	1
Terphenyl-d14	86		28 - 124	04/05/16 10:08	04/06/16 16:30	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.014		0.010		mg/L		04/13/16 10:32	04/13/16 20:17	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Barium	0.030		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:13	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:13	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:13	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:13	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:13	1
Nickel	0.013		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Selenium	0.024		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-01

Date Collected: 03/30/16 08:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-1

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Vanadium	0.057		0.010		mg/L		04/13/16 10:32	04/14/16 12:13	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:13	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:26	1

Client Sample ID: MW-03

Date Collected: 03/30/16 12:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 18:08	1
Ethylbenzene	6.1		0.50		ug/L			04/07/16 18:08	1
m,p-Xylene	3.5		1.0		ug/L			04/07/16 18:08	1
o-Xylene	7.7		0.50		ug/L			04/07/16 18:08	1
Toluene	1.1		0.50		ug/L			04/07/16 18:08	1
Xylenes, Total	11		1.0		ug/L			04/07/16 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		04/07/16 18:08	1
Dibromofluoromethane (Surr)	122		76 - 132		04/07/16 18:08	1
Toluene-d8 (Surr)	115		80 - 128		04/07/16 18:08	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.44		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Acenaphthylene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Benzo[a]anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Benzo[a]pyrene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Benzo[b]fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Benzo[g,h,i]perylene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Benzo[k]fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Chrysene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Dibenz(a,h)anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Fluorene	1.2		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Indeno[1,2,3-cd]pyrene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Naphthalene	3.3		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Phenanthrene	0.88		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2
Pyrene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 17:07	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	34		50 - 104	04/05/16 10:08	04/06/16 17:07	2
Nitrobenzene-d5	48		46 - 109	04/05/16 10:08	04/06/16 17:07	2
Terphenyl-d14	60		28 - 124	04/05/16 10:08	04/06/16 17:07	2

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-03

Date Collected: 03/30/16 12:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-2

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:22	1
Arsenic	0.048		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Barium	0.91		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:15	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:15	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:15	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:15	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:15	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Selenium	0.013		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Vanadium	0.036		0.010		mg/L		04/13/16 10:32	04/14/16 12:15	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 06:29	1

Client Sample ID: MW-04

Date Collected: 03/30/16 11:07

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 18:38	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 18:38	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 18:38	1
o-Xylene	ND		0.50		ug/L			04/07/16 18:38	1
Toluene	ND		0.50		ug/L			04/07/16 18:38	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		04/07/16 18:38	1
Dibromofluoromethane (Surr)	120		76 - 132		04/07/16 18:38	1
Toluene-d8 (Surr)	116		80 - 128		04/07/16 18:38	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Acenaphthylene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Anthracene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Benzo[a]anthracene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Benzo[a]pyrene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Benzo[b]fluoranthene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Benzo[g,h,i]perylene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Benzo[k]fluoranthene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Chrysene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-04

Date Collected: 03/30/16 11:07

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-3

Matrix: Water

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Fluoranthene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Fluorene	1.0		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Indeno[1,2,3-cd]pyrene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Naphthalene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Phenanthrene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5
Pyrene	ND		0.94		ug/L		04/05/16 10:08	04/06/16 22:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	47		50 - 104	04/05/16 10:08	04/06/16 22:35	5
Nitrobenzene-d5	35		46 - 109	04/05/16 10:08	04/06/16 22:35	5
Terphenyl-d14	68		28 - 124	04/05/16 10:08	04/06/16 22:35	5

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:25	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Barium	0.36		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:17	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:17	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:17	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:17	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:17	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Vanadium	0.018		0.010		mg/L		04/13/16 10:32	04/14/16 12:17	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:53	04/14/16 06:31	1

Client Sample ID: MW-05

Date Collected: 03/30/16 09:58

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 15:40	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 15:40	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 15:40	1
o-Xylene	ND		0.50		ug/L			04/07/16 15:40	1
Toluene	ND		0.50		ug/L			04/07/16 15:40	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		80 - 120		04/07/16 15:40	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-05

Date Collected: 03/30/16 09:58

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	129		76 - 132		04/07/16 15:40	1
Toluene-d8 (Surr)	116		80 - 128		04/07/16 15:40	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Acenaphthylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Benzo[a]anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Benzo[a]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Chrysene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Fluoranthene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Fluorene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Naphthalene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Phenanthrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1
Pyrene	ND		0.19		ug/L		04/05/16 10:08	04/06/16 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		50 - 104	04/05/16 10:08	04/06/16 17:48	1
Nitrobenzene-d5	64		46 - 109	04/05/16 10:08	04/06/16 17:48	1
Terphenyl-d14	64		28 - 124	04/05/16 10:08	04/06/16 17:48	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:29	1
Arsenic	0.014		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Barium	0.075		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:20	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:20	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:20	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:20	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:20	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Vanadium	0.058		0.010		mg/L		04/13/16 10:32	04/14/16 12:20	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:53	04/14/16 06:39	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-19

Date Collected: 03/30/16 14:14

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		0.50		ug/L			04/11/16 15:16	1
Ethylbenzene	12		0.50		ug/L			04/11/16 15:16	1
m,p-Xylene	21		1.0		ug/L			04/11/16 15:16	1
o-Xylene	21		0.50		ug/L			04/11/16 15:16	1
Toluene	0.75		0.50		ug/L			04/11/16 15:16	1
Xylenes, Total	42		1.0		ug/L			04/11/16 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		04/11/16 15:16	1
Dibromofluoromethane (Surr)	100		76 - 132		04/11/16 15:16	1
Toluene-d8 (Surr)	105		80 - 128		04/11/16 15:16	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.80		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Acenaphthylene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Benzo[a]anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Benzo[a]pyrene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Benzo[b]fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Benzo[g,h,i]perylene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Benzo[k]fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Chrysene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Dibenz(a,h)anthracene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Fluoranthene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Fluorene	2.2		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Indeno[1,2,3-cd]pyrene	ND		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Naphthalene	4.9		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Phenanthrene	1.1		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2
Pyrene	0.40		0.38		ug/L		04/05/16 10:08	04/06/16 18:09	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		50 - 104	04/05/16 10:08	04/06/16 18:09	2
Nitrobenzene-d5	58		46 - 109	04/05/16 10:08	04/06/16 18:09	2
Terphenyl-d14	74		28 - 124	04/05/16 10:08	04/06/16 18:09	2

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:33	1
Arsenic	0.016		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Barium	1.4		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:22	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:22	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:22	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:22	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:22	1
Nickel	0.011		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-19

Date Collected: 03/30/16 14:14

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-5

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Vanadium	0.012		0.010		mg/L		04/13/16 10:32	04/14/16 12:22	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:53	04/14/16 06:42	1

Client Sample ID: MW-20

Date Collected: 03/30/16 10:42

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	21		0.50		ug/L			04/11/16 15:43	1
Ethylbenzene	34		0.50		ug/L			04/11/16 15:43	1
m,p-Xylene	3.2		1.0		ug/L			04/11/16 15:43	1
o-Xylene	1.7		0.50		ug/L			04/11/16 15:43	1
Toluene	ND		0.50		ug/L			04/11/16 15:43	1
Xylenes, Total	4.9		1.0		ug/L			04/11/16 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		04/11/16 15:43	1
Dibromofluoromethane (Surr)	96		76 - 132		04/11/16 15:43	1
Toluene-d8 (Surr)	98		80 - 128		04/11/16 15:43	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.5		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Acenaphthylene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Anthracene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Benzo[a]anthracene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Benzo[a]pyrene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Benzo[b]fluoranthene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Benzo[g,h,i]perylene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Benzo[k]fluoranthene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Chrysene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Dibenz(a,h)anthracene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Fluoranthene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Fluorene	4.6		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Indeno[1,2,3-cd]pyrene	ND		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Naphthalene	14		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Phenanthrene	6.1		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4
Pyrene	2.2		0.75		ug/L		04/05/16 10:08	04/06/16 18:38	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	42		50 - 104	04/05/16 10:08	04/06/16 18:38	4
Nitrobenzene-d5	148		46 - 109	04/05/16 10:08	04/06/16 18:38	4
Terphenyl-d14	68		28 - 124	04/05/16 10:08	04/06/16 18:38	4

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-20

Date Collected: 03/30/16 10:42

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-6

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:35	1
Arsenic	0.023		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Barium	4.3		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:24	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:24	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:24	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:24	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:24	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Vanadium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:24	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:54	04/14/16 06:45	1

Client Sample ID: MW-22

Date Collected: 04/01/16 15:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 16:11	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 16:11	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 16:11	1
o-Xylene	ND		0.50		ug/L			04/11/16 16:11	1
Toluene	ND		0.50		ug/L			04/11/16 16:11	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		04/11/16 16:11	1
Dibromofluoromethane (Surr)	106		76 - 132		04/11/16 16:11	1
Toluene-d8 (Surr)	104		80 - 128		04/11/16 16:11	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Acenaphthylene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Benzo[a]anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Benzo[a]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Benzo[b]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Benzo[g,h,i]perylene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Benzo[k]fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Chrysene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1

TestAmerica Irvine

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-22

Date Collected: 04/01/16 15:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-7

Matrix: Water

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Fluoranthene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Fluorene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Naphthalene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Phenanthrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1
Pyrene	ND		0.19		ug/L		04/07/16 09:52	04/12/16 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	24		50 - 104	04/07/16 09:52	04/12/16 18:01	1
Nitrobenzene-d5	31		46 - 109	04/07/16 09:52	04/12/16 18:01	1
Terphenyl-d14	68		28 - 124	04/07/16 09:52	04/12/16 18:01	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 20:39	1
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Barium	0.059		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 12:26	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:26	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:26	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 12:26	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:26	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Vanadium	0.043		0.010		mg/L		04/13/16 10:32	04/14/16 12:26	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 12:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:54	04/14/16 06:47	1

Default Detection Limits

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	RL	MDL	Units	Method
Benzene	0.50	0.25	ug/L	8260B
Ethylbenzene	0.50	0.25	ug/L	8260B
m,p-Xylene	1.0	0.50	ug/L	8260B
o-Xylene	0.50	0.25	ug/L	8260B
Toluene	0.50	0.25	ug/L	8260B
Xylenes, Total	1.0	0.50	ug/L	8260B

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	RL	MDL	Units	Method
Acenaphthene	0.20	0.10	ug/L	8270C SIM
Acenaphthylene	0.20	0.10	ug/L	8270C SIM
Anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]anthracene	0.20	0.10	ug/L	8270C SIM
Benzo[a]pyrene	0.20	0.10	ug/L	8270C SIM
Benzo[b]fluoranthene	0.20	0.10	ug/L	8270C SIM
Benzo[g,h,i]perylene	0.20	0.10	ug/L	8270C SIM
Benzo[k]fluoranthene	0.20	0.10	ug/L	8270C SIM
Chrysene	0.20	0.10	ug/L	8270C SIM
Dibenz(a,h)anthracene	0.20	0.10	ug/L	8270C SIM
Fluoranthene	0.20	0.10	ug/L	8270C SIM
Fluorene	0.20	0.10	ug/L	8270C SIM
Indeno[1,2,3-cd]pyrene	0.20	0.10	ug/L	8270C SIM
Naphthalene	0.20	0.10	ug/L	8270C SIM
Phenanthrene	0.20	0.10	ug/L	8270C SIM
Pyrene	0.20	0.10	ug/L	8270C SIM

Method: 6010B - Metals (ICP) - Dissolved

Analyte	RL	MDL	Units	Method
Antimony	0.010	0.0060	mg/L	6010B
Arsenic	0.010	0.0050	mg/L	6010B
Barium	0.010	0.0050	mg/L	6010B
Beryllium	0.0020	0.0010	mg/L	6010B
Cadmium	0.0050	0.0020	mg/L	6010B
Chromium	0.0050	0.0025	mg/L	6010B
Cobalt	0.010	0.0025	mg/L	6010B
Copper	0.010	0.0050	mg/L	6010B
Lead	0.0050	0.0025	mg/L	6010B
Molybdenum	0.020	0.010	mg/L	6010B
Nickel	0.010	0.0050	mg/L	6010B
Selenium	0.010	0.0061	mg/L	6010B
Silver	0.010	0.0050	mg/L	6010B
Thallium	0.010	0.0050	mg/L	6010B
Vanadium	0.010	0.0050	mg/L	6010B
Zinc	0.020	0.010	mg/L	6010B

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	RL	MDL	Units	Method
Mercury	0.00020	0.00010	mg/L	7470A

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (76-132)	TOL (80-128)
440-143184-B-4 MS	Matrix Spike	98	114	90
440-143184-B-4 MSD	Matrix Spike Duplicate	83	111	100
440-143186-1	MW-01	112	127	116
440-143186-2	MW-03	110	122	115
440-143186-3	MW-04	113	120	116
440-143186-4	MW-05	114	129	116
440-143186-5	MW-19	105	100	105
440-143186-6	MW-20	95	96	98
440-143186-7	MW-22	99	106	104
440-143310-A-3 MS	Matrix Spike	112	123	110
440-143310-A-3 MSD	Matrix Spike Duplicate	112	120	111
LCS 440-322726/6	Lab Control Sample	114	124	112
LCS 440-323348/5	Lab Control Sample	96	103	85
MB 440-322726/5	Method Blank	113	125	118
MB 440-323348/4	Method Blank	113	111	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (50-104)	NBZ (46-109)	TPH (28-124)
440-143186-1	MW-01	73	60	86
440-143186-2	MW-03	34	48	60
440-143186-3	MW-04	47	35	68
440-143186-4	MW-05	67	64	64
440-143186-5	MW-19	90	58	74
440-143186-6	MW-20	42	148	68
440-143186-7	MW-22	24	31	68
LCS 440-322273/2-A	Lab Control Sample	72	59	92
LCS 440-322773/2-A	Lab Control Sample	58	50	72
LCSD 440-322273/3-A	Lab Control Sample Dup	83	70	100
LCSD 440-322773/3-A	Lab Control Sample Dup	59	49	75
MB 440-322273/1-A	Method Blank	93	69	85
MB 440-322773/1-A	Method Blank	57	70	76

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-322726/5

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/07/16 09:23	1
Ethylbenzene	ND		0.50		ug/L			04/07/16 09:23	1
m,p-Xylene	ND		1.0		ug/L			04/07/16 09:23	1
o-Xylene	ND		0.50		ug/L			04/07/16 09:23	1
Toluene	ND		0.50		ug/L			04/07/16 09:23	1
Xylenes, Total	ND		1.0		ug/L			04/07/16 09:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		04/07/16 09:23	1
Dibromofluoromethane (Surr)	125		76 - 132		04/07/16 09:23	1
Toluene-d8 (Surr)	118		80 - 128		04/07/16 09:23	1

Lab Sample ID: LCS 440-322726/6

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.0		ug/L		96	68 - 130
Ethylbenzene	25.0	24.5		ug/L		98	70 - 130
m,p-Xylene	25.0	24.8		ug/L		99	70 - 130
o-Xylene	25.0	24.0		ug/L		96	70 - 130
Toluene	25.0	23.4		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		80 - 120
Dibromofluoromethane (Surr)	124		76 - 132
Toluene-d8 (Surr)	112		80 - 128

Lab Sample ID: 440-143310-A-3 MS

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.1		ug/L		100	66 - 130
Ethylbenzene	ND		25.0	25.2		ug/L		101	70 - 130
m,p-Xylene	ND		25.0	25.3		ug/L		101	70 - 133
o-Xylene	ND		25.0	24.6		ug/L		99	70 - 133
Toluene	ND		25.0	24.1		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	123		76 - 132
Toluene-d8 (Surr)	110		80 - 128

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-143310-A-3 MSD

Matrix: Water

Analysis Batch: 322726

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.6		ug/L		98	66 - 130	2	20
Ethylbenzene	ND		25.0	25.0		ug/L		100	70 - 130	1	20
m,p-Xylene	ND		25.0	25.5		ug/L		102	70 - 133	1	25
o-Xylene	ND		25.0	24.5		ug/L		98	70 - 133	0	20
Toluene	ND		25.0	24.1		ug/L		96	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	120		76 - 132
Toluene-d8 (Surr)	111		80 - 128

Lab Sample ID: MB 440-323348/4

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			04/11/16 08:40	1
Ethylbenzene	ND		0.50		ug/L			04/11/16 08:40	1
m,p-Xylene	ND		1.0		ug/L			04/11/16 08:40	1
o-Xylene	ND		0.50		ug/L			04/11/16 08:40	1
Toluene	ND		0.50		ug/L			04/11/16 08:40	1
Xylenes, Total	ND		1.0		ug/L			04/11/16 08:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		04/11/16 08:40	1
Dibromofluoromethane (Surr)	111		76 - 132		04/11/16 08:40	1
Toluene-d8 (Surr)	100		80 - 128		04/11/16 08:40	1

Lab Sample ID: LCS 440-323348/5

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.6		ug/L		98	68 - 130
Ethylbenzene	25.0	29.5		ug/L		118	70 - 130
m,p-Xylene	25.0	25.2		ug/L		101	70 - 130
o-Xylene	25.0	26.7		ug/L		107	70 - 130
Toluene	25.0	21.3		ug/L		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	103		76 - 132
Toluene-d8 (Surr)	85		80 - 128

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-143184-B-4 MS

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.2		ug/L		113	66 - 130
Ethylbenzene	ND		25.0	27.6		ug/L		111	70 - 130
m,p-Xylene	ND		25.0	29.2		ug/L		117	70 - 133
o-Xylene	ND		25.0	34.5	M1	ug/L		138	70 - 133
Toluene	ND		25.0	24.3		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	114		76 - 132
Toluene-d8 (Surr)	90		80 - 128

Lab Sample ID: 440-143184-B-4 MSD

Matrix: Water

Analysis Batch: 323348

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.2		ug/L		105	66 - 130	7	20
Ethylbenzene	ND		25.0	26.0		ug/L		104	70 - 130	6	20
m,p-Xylene	ND		25.0	26.2		ug/L		105	70 - 133	11	25
o-Xylene	ND		25.0	27.2	R6	ug/L		109	70 - 133	24	20
Toluene	ND		25.0	25.7		ug/L		103	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		80 - 120
Dibromofluoromethane (Surr)	111		76 - 132
Toluene-d8 (Surr)	100		80 - 128

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 440-322273/1-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Acenaphthylene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[a]anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[a]pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Chrysene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Fluoranthene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Fluorene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 440-322273/1-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Phenanthrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1
Pyrene	ND		0.20		ug/L		04/05/16 10:08	04/06/16 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		50 - 104	04/05/16 10:08	04/06/16 11:41	1
Nitrobenzene-d5	69		46 - 109	04/05/16 10:08	04/06/16 11:41	1
Terphenyl-d14	85		28 - 124	04/05/16 10:08	04/06/16 11:41	1

Lab Sample ID: LCS 440-322273/2-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1.00	0.768		ug/L		77	54 - 120
Acenaphthylene	1.00	0.756		ug/L		76	55 - 120
Anthracene	1.00	0.836		ug/L		84	56 - 120
Benzo[a]anthracene	1.00	0.799		ug/L		80	63 - 120
Benzo[a]pyrene	1.00	0.812		ug/L		81	54 - 120
Benzo[b]fluoranthene	1.00	0.914		ug/L		91	60 - 120
Benzo[g,h,i]perylene	1.00	0.782		ug/L		78	61 - 139
Benzo[k]fluoranthene	1.00	0.962		ug/L		96	62 - 120
Chrysene	1.00	0.875		ug/L		87	65 - 120
Dibenz(a,h)anthracene	1.00	0.714		ug/L		71	61 - 120
Fluoranthene	1.00	0.827		ug/L		83	61 - 120
Fluorene	1.00	0.885		ug/L		88	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.696		ug/L		70	61 - 122
Naphthalene	1.00	0.734		ug/L		73	46 - 120
Phenanthrene	1.00	0.808		ug/L		81	60 - 120
Pyrene	1.00	0.806		ug/L		81	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	72		50 - 104
Nitrobenzene-d5	59		46 - 109
Terphenyl-d14	92		28 - 124

Lab Sample ID: LCSD 440-322273/3-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	1.00	0.781		ug/L		78	54 - 120	2	35
Acenaphthylene	1.00	0.772		ug/L		77	55 - 120	2	35
Anthracene	1.00	0.811		ug/L		81	56 - 120	3	35
Benzo[a]anthracene	1.00	0.845		ug/L		84	63 - 120	6	35
Benzo[a]pyrene	1.00	0.885		ug/L		88	54 - 120	9	35
Benzo[b]fluoranthene	1.00	0.996		ug/L		100	60 - 120	9	35
Benzo[g,h,i]perylene	1.00	0.915		ug/L		92	61 - 139	16	35

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 440-322273/3-A

Matrix: Water

Analysis Batch: 322558

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 322273

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[k]fluoranthene	1.00	1.12		ug/L		112	62 - 120	15	35
Chrysene	1.00	0.941		ug/L		94	65 - 120	7	35
Dibenz(a,h)anthracene	1.00	0.855		ug/L		86	61 - 120	18	35
Fluoranthene	1.00	0.883		ug/L		88	61 - 120	7	35
Fluorene	1.00	0.902		ug/L		90	53 - 120	2	35
Indeno[1,2,3-cd]pyrene	1.00	0.815		ug/L		82	61 - 122	16	35
Naphthalene	1.00	0.718		ug/L		72	46 - 120	2	35
Phenanthrene	1.00	0.847		ug/L		85	60 - 120	5	35
Pyrene	1.00	0.837		ug/L		84	63 - 120	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		50 - 104
Nitrobenzene-d5	70		46 - 109
Terphenyl-d14	100		28 - 124

Lab Sample ID: MB 440-322773/1-A

Matrix: Water

Analysis Batch: 323269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 322773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Acenaphthylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[a]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[b]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[g,h,i]perylene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Benzo[k]fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Chrysene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Dibenz(a,h)anthracene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluoranthene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Fluorene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Naphthalene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Phenanthrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1
Pyrene	ND		0.20		ug/L		04/07/16 09:52	04/10/16 00:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		50 - 104	04/07/16 09:52	04/10/16 00:57	1
Nitrobenzene-d5	70		46 - 109	04/07/16 09:52	04/10/16 00:57	1
Terphenyl-d14	76		28 - 124	04/07/16 09:52	04/10/16 00:57	1

Lab Sample ID: LCS 440-322773/2-A

Matrix: Water

Analysis Batch: 324076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.667		ug/L		67	54 - 120

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 440-322773/2-A

Matrix: Water

Analysis Batch: 324076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 322773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.00	0.636		ug/L		64	55 - 120
Anthracene	1.00	0.725		ug/L		72	56 - 120
Benzo[a]anthracene	1.00	0.657		ug/L		66	63 - 120
Benzo[a]pyrene	1.00	0.710		ug/L		71	54 - 120
Benzo[b]fluoranthene	1.00	0.713		ug/L		71	60 - 120
Benzo[g,h,i]perylene	1.00	0.868		ug/L		87	61 - 139
Benzo[k]fluoranthene	1.00	0.816		ug/L		82	62 - 120
Chrysene	1.00	0.770		ug/L		77	65 - 120
Dibenz(a,h)anthracene	1.00	0.770		ug/L		77	61 - 120
Fluoranthene	1.00	0.736		ug/L		74	61 - 120
Fluorene	1.00	0.685		ug/L		69	53 - 120
Indeno[1,2,3-cd]pyrene	1.00	0.747		ug/L		75	61 - 122
Naphthalene	1.00	0.577		ug/L		58	46 - 120
Phenanthrene	1.00	0.684		ug/L		68	60 - 120
Pyrene	1.00	0.725		ug/L		72	63 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	58		50 - 104
Nitrobenzene-d5	50		46 - 109
Terphenyl-d14	72		28 - 124

Lab Sample ID: LCSD 440-322773/3-A

Matrix: Water

Analysis Batch: 323269

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 322773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.641		ug/L		64	54 - 120	4	35
Acenaphthylene	1.00	0.628		ug/L		63	55 - 120	1	35
Anthracene	1.00	0.690		ug/L		69	56 - 120	5	35
Benzo[a]anthracene	1.00	0.689		ug/L		69	63 - 120	5	35
Benzo[a]pyrene	1.00	0.724		ug/L		72	54 - 120	2	35
Benzo[b]fluoranthene	1.00	0.740		ug/L		74	60 - 120	4	35
Benzo[g,h,i]perylene	1.00	0.911		ug/L		91	61 - 139	5	35
Benzo[k]fluoranthene	1.00	0.790		ug/L		79	62 - 120	3	35
Chrysene	1.00	0.831		ug/L		83	65 - 120	8	35
Dibenz(a,h)anthracene	1.00	0.778		ug/L		78	61 - 120	1	35
Fluoranthene	1.00	0.765		ug/L		76	61 - 120	4	35
Fluorene	1.00	0.680		ug/L		68	53 - 120	1	35
Indeno[1,2,3-cd]pyrene	1.00	0.760		ug/L		76	61 - 122	2	35
Naphthalene	1.00	0.544		ug/L		54	46 - 120	6	35
Phenanthrene	1.00	0.699		ug/L		70	60 - 120	2	35
Pyrene	1.00	0.729		ug/L		73	63 - 120	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	59		50 - 104
Nitrobenzene-d5	49		46 - 109
Terphenyl-d14	75		28 - 124

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-323719/1-B
Matrix: Water
Analysis Batch: 324184

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 323971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		04/13/16 10:32	04/13/16 19:33	1

Lab Sample ID: MB 440-323719/1-B
Matrix: Water
Analysis Batch: 324263

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 323971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Barium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Beryllium	ND		0.0020		mg/L		04/13/16 10:32	04/14/16 11:43	1
Cadmium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Chromium	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Cobalt	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Copper	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Lead	ND		0.0050		mg/L		04/13/16 10:32	04/14/16 11:43	1
Molybdenum	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:43	1
Nickel	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Selenium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Silver	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Thallium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Vanadium	ND		0.010		mg/L		04/13/16 10:32	04/14/16 11:43	1
Zinc	ND		0.020		mg/L		04/13/16 10:32	04/14/16 11:43	1

Lab Sample ID: LCS 440-323719/2-B
Matrix: Water
Analysis Batch: 324184

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 323971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	0.957		mg/L		96	80 - 120

Lab Sample ID: LCS 440-323719/2-B
Matrix: Water
Analysis Batch: 324263

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 323971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.938		mg/L		94	80 - 120
Barium	1.00	0.968		mg/L		97	80 - 120
Beryllium	1.00	0.962		mg/L		96	80 - 120
Cadmium	1.00	0.969		mg/L		97	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	0.972		mg/L		97	80 - 120
Copper	1.00	0.944		mg/L		94	80 - 120
Lead	1.00	0.983		mg/L		98	80 - 120
Molybdenum	1.00	0.944		mg/L		94	80 - 120
Nickel	1.00	0.949		mg/L		95	80 - 120
Selenium	1.00	0.886		mg/L		89	80 - 120
Silver	0.500	0.488		mg/L		98	80 - 120
Thallium	1.00	0.955		mg/L		95	80 - 120
Vanadium	1.00	0.943		mg/L		94	80 - 120

TestAmerica Irvine

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 440-323719/2-B
Matrix: Water
Analysis Batch: 324263

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 323971
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Zinc	1.00	0.912		mg/L		91	80 - 120

Lab Sample ID: LCSD 440-323719/17-B
Matrix: Water
Analysis Batch: 324184

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 323971
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	1.00	0.978		mg/L		98	80 - 120	2	20

Lab Sample ID: LCSD 440-323719/17-B
Matrix: Water
Analysis Batch: 324263

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 323971
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	1.00	0.899		mg/L		90	80 - 120	4	20
Barium	1.00	0.942		mg/L		94	80 - 120	3	20
Beryllium	1.00	0.913		mg/L		91	80 - 120	5	20
Cadmium	1.00	0.944		mg/L		94	80 - 120	3	20
Chromium	1.00	0.997		mg/L		100	80 - 120	1	20
Cobalt	1.00	0.936		mg/L		94	80 - 120	4	20
Copper	1.00	0.904		mg/L		90	80 - 120	4	20
Lead	1.00	0.942		mg/L		94	80 - 120	4	20
Molybdenum	1.00	0.926		mg/L		93	80 - 120	2	20
Nickel	1.00	0.923		mg/L		92	80 - 120	3	20
Selenium	1.00	0.844		mg/L		84	80 - 120	5	20
Silver	0.500	0.474		mg/L		95	80 - 120	3	20
Thallium	1.00	0.916		mg/L		92	80 - 120	4	20
Vanadium	1.00	0.914		mg/L		91	80 - 120	3	20
Zinc	1.00	0.883		mg/L		88	80 - 120	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 440-323719/1-C
Matrix: Water
Analysis Batch: 324216

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 324101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/16 17:49	04/14/16 05:51	1

Lab Sample ID: LCS 440-323719/2-C
Matrix: Water
Analysis Batch: 324216

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 324101
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00800	0.00797		mg/L		100	80 - 120

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-143184-D-4-D MS

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 324101

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00800	0.00776		mg/L		97	70 - 130

Lab Sample ID: 440-143184-D-4-E MSD

Matrix: Water

Analysis Batch: 324216

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 324101

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.00792		mg/L		99	70 - 130	2	20

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

GC/MS VOA

Analysis Batch: 322726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Total/NA	Water	8260B	
440-143186-2	MW-03	Total/NA	Water	8260B	
440-143186-3	MW-04	Total/NA	Water	8260B	
440-143186-4	MW-05	Total/NA	Water	8260B	
440-143310-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
440-143310-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-322726/6	Lab Control Sample	Total/NA	Water	8260B	
MB 440-322726/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 323348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-B-4 MS	Matrix Spike	Total/NA	Water	8260B	
440-143184-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-143186-5	MW-19	Total/NA	Water	8260B	
440-143186-6	MW-20	Total/NA	Water	8260B	
440-143186-7	MW-22	Total/NA	Water	8260B	
LCS 440-323348/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-323348/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 322273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Total/NA	Water	3520C	
440-143186-2	MW-03	Total/NA	Water	3520C	
440-143186-3	MW-04	Total/NA	Water	3520C	
440-143186-4	MW-05	Total/NA	Water	3520C	
440-143186-5	MW-19	Total/NA	Water	3520C	
440-143186-6	MW-20	Total/NA	Water	3520C	
LCS 440-322273/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322273/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 440-322273/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 322558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Total/NA	Water	8270C SIM	322273
440-143186-2	MW-03	Total/NA	Water	8270C SIM	322273
440-143186-3	MW-04	Total/NA	Water	8270C SIM	322273
440-143186-4	MW-05	Total/NA	Water	8270C SIM	322273
440-143186-5	MW-19	Total/NA	Water	8270C SIM	322273
440-143186-6	MW-20	Total/NA	Water	8270C SIM	322273
LCS 440-322273/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322273
LCSD 440-322273/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322273
MB 440-322273/1-A	Method Blank	Total/NA	Water	8270C SIM	322273

Prep Batch: 322773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-7	MW-22	Total/NA	Water	3520C	
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

GC/MS Semi VOA (Continued)

Prep Batch: 322773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-322773/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 323269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 440-322773/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	322773
MB 440-322773/1-A	Method Blank	Total/NA	Water	8270C SIM	322773

Analysis Batch: 323808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-7	MW-22	Total/NA	Water	8270C SIM	322773

Analysis Batch: 324076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-322773/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	322773

Metals

Filtration Batch: 323719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-D-4-D MS	Matrix Spike	Dissolved	Water	FILTRATION	
440-143184-D-4-E MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
440-143186-1	MW-01	Dissolved	Water	FILTRATION	
440-143186-2	MW-03	Dissolved	Water	FILTRATION	
440-143186-3	MW-04	Dissolved	Water	FILTRATION	
440-143186-4	MW-05	Dissolved	Water	FILTRATION	
440-143186-5	MW-19	Dissolved	Water	FILTRATION	
440-143186-6	MW-20	Dissolved	Water	FILTRATION	
440-143186-7	MW-22	Dissolved	Water	FILTRATION	
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
MB 440-323719/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 440-323719/1-C	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 323971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Dissolved	Water	3005A	323719
440-143186-2	MW-03	Dissolved	Water	3005A	323719
440-143186-3	MW-04	Dissolved	Water	3005A	323719
440-143186-4	MW-05	Dissolved	Water	3005A	323719
440-143186-5	MW-19	Dissolved	Water	3005A	323719
440-143186-6	MW-20	Dissolved	Water	3005A	323719
440-143186-7	MW-22	Dissolved	Water	3005A	323719
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	3005A	323719
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	3005A	323719
MB 440-323719/1-B	Method Blank	Dissolved	Water	3005A	323719

Prep Batch: 324089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CRA 440-324089/5-A	DL		Water	245.1	

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Metals (Continued)

Prep Batch: 324101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-D-4-D MS	Matrix Spike	Dissolved	Water	7470A	323719
440-143184-D-4-E MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	323719
440-143186-1	MW-01	Dissolved	Water	7470A	323719
440-143186-2	MW-03	Dissolved	Water	7470A	323719
440-143186-3	MW-04	Dissolved	Water	7470A	323719
440-143186-4	MW-05	Dissolved	Water	7470A	323719
440-143186-5	MW-19	Dissolved	Water	7470A	323719
440-143186-6	MW-20	Dissolved	Water	7470A	323719
440-143186-7	MW-22	Dissolved	Water	7470A	323719
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	7470A	323719
MB 440-323719/1-C	Method Blank	Dissolved	Water	7470A	323719

Analysis Batch: 324184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Dissolved	Water	6010B	323971
440-143186-2	MW-03	Dissolved	Water	6010B	323971
440-143186-3	MW-04	Dissolved	Water	6010B	323971
440-143186-4	MW-05	Dissolved	Water	6010B	323971
440-143186-5	MW-19	Dissolved	Water	6010B	323971
440-143186-6	MW-20	Dissolved	Water	6010B	323971
440-143186-7	MW-22	Dissolved	Water	6010B	323971
CRI 440-324184/11	DL		Water	6010B	
ICSA 440-324184/7	ICS		Water	6010B	
ICSAB 440-324184/8	ICS		Water	6010B	
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	6010B	323971
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	6010B	323971
MB 440-323719/1-B	Method Blank	Dissolved	Water	6010B	323971

Analysis Batch: 324216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143184-D-4-D MS	Matrix Spike	Dissolved	Water	7470A	324101
440-143184-D-4-E MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	324101
440-143186-1	MW-01	Dissolved	Water	7470A	324101
440-143186-2	MW-03	Dissolved	Water	7470A	324101
440-143186-3	MW-04	Dissolved	Water	7470A	324101
440-143186-4	MW-05	Dissolved	Water	7470A	324101
440-143186-5	MW-19	Dissolved	Water	7470A	324101
440-143186-6	MW-20	Dissolved	Water	7470A	324101
440-143186-7	MW-22	Dissolved	Water	7470A	324101
CRA 440-324089/5-A	DL		Water	7470A	324089
CRA 440-324089/5-A	DL		Water	7470A	324089
LCS 440-323719/2-C	Lab Control Sample	Dissolved	Water	7470A	324101
MB 440-323719/1-C	Method Blank	Dissolved	Water	7470A	324101

Analysis Batch: 324263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-1	MW-01	Dissolved	Water	6010B	323971
440-143186-2	MW-03	Dissolved	Water	6010B	323971
440-143186-3	MW-04	Dissolved	Water	6010B	323971
440-143186-4	MW-05	Dissolved	Water	6010B	323971
440-143186-5	MW-19	Dissolved	Water	6010B	323971

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Metals (Continued)

Analysis Batch: 324263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-143186-6	MW-20	Dissolved	Water	6010B	323971
440-143186-7	MW-22	Dissolved	Water	6010B	323971
CRI 440-324263/11	DL		Water	6010B	
ICSA 440-324263/7	ICS		Water	6010B	
ICSAB 440-324263/8	ICS		Water	6010B	
LCS 440-323719/2-B	Lab Control Sample	Dissolved	Water	6010B	323971
LCSD 440-323719/17-B	Lab Control Sample Dup	Dissolved	Water	6010B	323971
MB 440-323719/1-B	Method Blank	Dissolved	Water	6010B	323971

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-01

Date Collected: 03/30/16 08:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 15:11	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322558	04/06/16 16:30	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:17	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:13	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:26	EN	TAL IRV

Client Sample ID: MW-03

Date Collected: 03/30/16 12:40

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 18:08	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		2	322558	04/06/16 17:07	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:22	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:15	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:49	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:29	EN	TAL IRV

Client Sample ID: MW-04

Date Collected: 03/30/16 11:07

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 18:38	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		5	322558	04/06/16 22:35	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:25	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-04

Date Collected: 03/30/16 11:07

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010B		1	324263	04/14/16 12:17	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:53	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:31	EN	TAL IRV

Client Sample ID: MW-05

Date Collected: 03/30/16 09:58

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	322726	04/07/16 15:40	RM	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	322558	04/06/16 17:48	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:29	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:20	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:53	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:39	EN	TAL IRV

Client Sample ID: MW-19

Date Collected: 03/30/16 14:14

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 15:16	AL	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		2	322558	04/06/16 18:09	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:33	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:22	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:53	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:42	EN	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Client Sample ID: MW-20

Date Collected: 03/30/16 10:42

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 15:43	AL	TAL IRV
Total/NA	Prep	3520C			322273	04/05/16 10:08	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		4	322558	04/06/16 18:38	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:35	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:24	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:54	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:45	EN	TAL IRV

Client Sample ID: MW-22

Date Collected: 04/01/16 15:22

Date Received: 04/02/16 10:00

Lab Sample ID: 440-143186-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	323348	04/11/16 16:11	AL	TAL IRV
Total/NA	Prep	3520C			322773	04/07/16 09:52	GCY	TAL IRV
Total/NA	Analysis	8270C SIM		1	323808	04/12/16 18:01	AI	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324184	04/13/16 20:39	ND	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	3005A			323971	04/13/16 10:32	Q1N	TAL IRV
Dissolved	Analysis	6010B		1	324263	04/14/16 12:26	VS	TAL IRV
Dissolved	Filtration	FILTRATION			323719	04/12/16 13:07	K1E	TAL IRV
Dissolved	Prep	7470A			324101	04/13/16 17:54	DB	TAL IRV
Dissolved	Analysis	7470A		1	324216	04/14/16 06:47	EN	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-16
California	LA Cty Sanitation Districts	9	10256	01-31-17 *
California	State Program	9	CA ELAP 2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-17
Hawaii	State Program	9	N/A	01-29-17
Kansas	NELAP Secondary AB	7	E-10420	07-31-16
Nevada	State Program	9	CA015312016-2	07-31-16
New Mexico	State Program	6	N/A	01-29-17
Northern Mariana Islands	State Program	9	MP0002	01-29-16 *
Oregon	NELAP	10	4028	01-29-17
USDA	Federal		P330-09-00080	07-08-18
Washington	State Program	10	C900	09-03-16

* Certification renewal pending - certification considered valid.

TestAmerica Irvine

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7470A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: EQPL Basin Jal Pump Station

TestAmerica Job ID: 440-143186-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-143186-1	MW-01	Water	03/30/16 08:40	04/02/16 10:00
440-143186-2	MW-03	Water	03/30/16 12:40	04/02/16 10:00
440-143186-3	MW-04	Water	03/30/16 11:07	04/02/16 10:00
440-143186-4	MW-05	Water	03/30/16 09:58	04/02/16 10:00
440-143186-5	MW-19	Water	03/30/16 14:14	04/02/16 10:00
440-143186-6	MW-20	Water	03/30/16 10:42	04/02/16 10:00
440-143186-7	MW-22	Water	04/01/16 15:22	04/02/16 10:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS56 Analysis Batch Number: 321924Lab Sample ID: STD05 440-321924/6 IC Client Sample ID: _____Date Analyzed: 04/02/16 17:24 Lab File ID: GED02015.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.71	Unspecified	ramirezr	04/04/16 08:18

Lab Sample ID: STD1 440-321924/7 IC Client Sample ID: _____Date Analyzed: 04/02/16 17:54 Lab File ID: GED02016.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:28

Lab Sample ID: STD10 440-321924/10 IC Client Sample ID: _____Date Analyzed: 04/02/16 19:23 Lab File ID: GED02019.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:27

Lab Sample ID: ICV 440-321924/18 Client Sample ID: _____Date Analyzed: 04/02/16 23:20 Lab File ID: GED02027.D GC Column: DB-VRX B ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.96	Split Peak	ramirezr	04/04/16 08:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS59 Analysis Batch Number: 321171Lab Sample ID: STD2 440-321171/8 IC Client Sample ID: _____Date Analyzed: 03/30/16 16:32 Lab File ID: XEC30015.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	2.70	Split Peak	ramirezr	03/31/16 06:03

Lab Sample ID: STD5 440-321171/9 IC Client Sample ID: _____Date Analyzed: 03/30/16 16:59 Lab File ID: XEC30016.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	2.68	Split Peak	ramirezr	03/31/16 06:05

Lab Sample ID: STD10 440-321171/10 IC Client Sample ID: _____Date Analyzed: 03/30/16 17:27 Lab File ID: XEC30017.D GC Column: DB-VRX A ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.31	Split Peak	ramirezr	03/31/16 06:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 321454Lab Sample ID: STD50 440-321454/2 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:12 Lab File ID: J033102.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	12.16	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[a]pyrene	12.79	Assign Peak	ibasitasa	03/31/16 13:04
Indeno[1,2,3-cd]pyrene	14.62	Assign Peak	ibasitasa	03/31/16 13:04
Benzo[g,h,i]perylene	15.01	Assign Peak	ibasitasa	03/31/16 13:04

Lab Sample ID: STD100 440-321454/3 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:33 Lab File ID: J033103.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene	6.12	Split Peak	ibasitasa	03/31/16 14:49
Benzo[b]fluoranthene	12.12	Assign Peak	ibasitasa	03/31/16 13:05
Benzo[a]pyrene	12.75	Assign Peak	ibasitasa	03/31/16 13:05
Dibenz(a,h)anthracene	14.60	Assign Peak	ibasitasa	03/31/16 13:05

Lab Sample ID: STD250 440-321454/4 IC Client Sample ID: _____Date Analyzed: 03/31/16 12:53 Lab File ID: J033104.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.77	Assign Peak	ibasitasa	03/31/16 13:55
Benzo[b]fluoranthene	12.10	Assign Peak	ibasitasa	03/31/16 13:55

Lab Sample ID: STD500 440-321454/5 IC Client Sample ID: _____Date Analyzed: 03/31/16 13:14 Lab File ID: J033105.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Assign Peak	ibasitasa	03/31/16 13:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 322558Lab Sample ID: 440-143186-1 Client Sample ID: MW-01Date Analyzed: 04/06/16 16:30 Lab File ID: J040616.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.51	Assign Peak	ibasitasa	04/07/16 08:46
Phenanthrene	8.46	Assign Peak	ibasitasa	04/07/16 08:46

Lab Sample ID: 440-143186-2 Client Sample ID: MW-03Date Analyzed: 04/06/16 17:07 Lab File ID: J040617.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.70	Unspecified	ibasitasa	04/07/16 08:53
Acenaphthene-d10	7.11	Unspecified	ibasitasa	04/07/16 08:53

Lab Sample ID: 440-143186-5 Client Sample ID: _____Date Analyzed: 04/06/16 18:09 Lab File ID: J040620.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene-d10	7.11	Assign Peak	ibasitasa	04/07/16 09:12

Lab Sample ID: 440-143186-6 Client Sample ID: _____Date Analyzed: 04/06/16 18:38 Lab File ID: J040621.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8	5.48	Assign Peak	ibasitasa	04/07/16 09:33
Acenaphthene-d10	7.20	Assign Peak	ibasitasa	04/07/16 09:33
Phenanthrene-d10	8.45	Assign Peak	ibasitasa	04/07/16 09:33
Phenanthrene	8.47	Assign Peak	ibasitasa	04/07/16 09:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 322558Lab Sample ID: 440-143186-3 Client Sample ID: MW-04Date Analyzed: 04/06/16 22:35 Lab File ID: J040627.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.73	Assign Peak	ibasitasa	04/07/16 09:12
Naphthalene	5.41	Assign Peak	ibasitasa	04/07/16 09:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Analysis Batch Number: 323269Lab Sample ID: MB 440-322773/1-A Client Sample ID: _____Date Analyzed: 04/10/16 00:57 Lab File ID: J040902.D GC Column: ZB-5MS A ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.72	Split Peak	fosterd	04/11/16 10:01

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
ME 1PPM HG1_00252	04/18/16	04/11/16	0.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L				
					ME 10PPM 00007	5 mL	Mercury	1 mg/L				
	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L				
	11/27/16	Macron Fine Chemicals, Lot 0000119636			(Purchased Reagent)		Stock Chemical	1 %				
	04/29/18	Inorganic Ventures, Lot J2-HG02136			(Purchased Reagent)		Mercury	10 mg/L				
ME 1PPM HG2_00245	04/18/16	04/11/16	.15% HNO3, Lot 0000114769	50 mL	ME 0.15% HNO3_00017	45 mL	Stock Chemical	13.5 mg/L				
					ME 10PPM HG2_00013	5 mL	Mercury	1 mg/L				
	06/07/16	12/07/15	Di Water, Lot N/A	1 L	ME HNO3 00307	1.5 mL	Stock Chemical	15 mg/L				
	11/27/16	Macron	Fine Chemicals, Lot 0000119636			(Purchased Reagent)		Stock Chemical	1 %			
	12/30/16	Spex, Lot 20-131HGY			(Purchased Reagent)		Mercury	10 mg/L				
ME H2SO4_00066	12/15/16	Macron, Lot 0000115683			(Purchased Reagent)		Stock Chemical	100 %				
ME HCl_00317	04/06/17	Fisher Chemical, Lot 4115100			(Purchased Reagent)		Stock Chemical	100 %				
ME HNO3_00318	02/26/17	Macron Fine Chemicals, Lot 0000129810			(Purchased Reagent)		Stock Chemical	1 %				
ME HNO3_00327	04/11/17	Macron Fine Chemicals, Lot 0000129810			(Purchased Reagent)		Stock Chemical	1 %				
ME HYDROX SOL_00073	07/21/16	03/21/16	Di Water, Lot n/a	6000 mL	ME H8N2O6S_00054	720 g	Stock Chemical	24 %				
					ME NACL_00016	720 g	Stock Chemical	24 %				
	01/12/17	fisher, Lot 149337			(Purchased Reagent)		Stock Chemical	100 %				
	03/21/17	Fisher Scientific, Lot 148298			(Purchased Reagent)		Stock Chemical	100 %				
ME ICP CRI3_02319	04/14/16	04/13/16	1%HNO3/0.5%HCl, Lot HNO3	50 mL	CRI CHK STD_00021	1 mL	Molybdenum	0.04 ug/mL				
							Nickel	0.02 ug/mL				
							Selenium	0.02 ug/mL				
							Silver	0.02 ug/mL				
							Thallium	0.02 ug/mL				
							Vanadium	0.02 ug/mL				
							Zinc	0.04 ug/mL				
					CRI CHK STD_00022	1 mL	Antimony	0.02 ug/mL				
							Arsenic	0.02 ug/mL				
							Barium	0.02 ug/mL				
							Beryllium	0.004 ug/mL				
							Cadmium	0.01 ug/mL				
							Chromium	0.01 ug/mL				
							Cobalt	0.02 ug/mL				
							Copper	0.02 ug/mL				
							Lead	0.01 ug/mL				
							.CRI CHK STD_00021	04/01/17	ACCU STANDARD, Lot 212125072-02	(Purchased Reagent)	Molybdenum	2 ug/mL
											Nickel	1 ug/mL
											Selenium	1 ug/mL
Silver	1 ug/mL											
Thallium	1 ug/mL											
Vanadium	1 ug/mL											
.CRI CHK STD_00022	04/01/17	ACCU STANDARD, Lot 212125023-02	(Purchased Reagent)	Antimony	1 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	1 ug/mL
							Barium	1 ug/mL
							Beryllium	0.2 ug/mL
							Cadmium	0.5 ug/mL
							Chromium	0.5 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL
							Lead	0.5 ug/mL
ME ICP CRI3_02321	04/14/16	04/14/16	1%HNO3/0.5%HCl, Lot HNO3	50 mL	CRI CHK STD_00021	1 mL	Molybdenum	0.04 ug/mL
							Nickel	0.02 ug/mL
							Selenium	0.02 ug/mL
							Silver	0.02 ug/mL
							Thallium	0.02 ug/mL
							Vanadium	0.02 ug/mL
					CRI CHK STD_00022	1 mL	Zinc	0.04 ug/mL
							Antimony	0.02 ug/mL
							Arsenic	0.02 ug/mL
							Barium	0.02 ug/mL
							Beryllium	0.004 ug/mL
							Cadmium	0.01 ug/mL
							Chromium	0.01 ug/mL
							Cobalt	0.02 ug/mL
							Copper	0.02 ug/mL
							Lead	0.01 ug/mL
.CRI CHK STD_00021	04/01/17	ACCU STANDARD, Lot 212125072-02			(Purchased Reagent)		Molybdenum	2 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Silver	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	2 ug/mL
							.CRI CHK STD_00022	04/01/17
Arsenic	1 ug/mL							
Barium	1 ug/mL							
Beryllium	0.2 ug/mL							
Cadmium	0.5 ug/mL							
Chromium	0.5 ug/mL							
Cobalt	1 ug/mL							
Copper	1 ug/mL							
Lead	0.5 ug/mL							
ME ICP ICV2_01221	04/14/16	04/13/16	1%HNO3/2%HCl, Lot N/A	50 mL	ME ICP2 ICV1A_00033	1 mL	Arsenic	2 mg/L
							Barium	2 mg/L
							Beryllium	2 mg/L
							Cadmium	2 mg/L
							Chromium	2 mg/L
							Cobalt	2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	2 mg/L
							Lead	2 mg/L
							Nickel	2 mg/L
							Selenium	2 mg/L
							Silver	1 mg/L
							Thallium	2 mg/L
							Vanadium	2 mg/L
							Zinc	2 mg/L
					ME ICP2 ICV1B_00033	1 mL	Antimony	2 mg/L
							Molybdenum	2 mg/L
.ME ICP2 ICV1A_00033	10/01/16		INORGANIC VENTURES, Lot J2-MEB598089		(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
.ME ICP2 ICV1B_00033	10/01/16		INORGANIC VENTURES, Lot J2-MEB598090		(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
ME ICP ICV2_01222	04/15/16	04/14/16	1%HNO3/2%HCl, Lot N/A	50 mL	ME ICP2 ICV1A_00033	1 mL	Arsenic	2 mg/L
							Barium	2 mg/L
							Beryllium	2 mg/L
							Cadmium	2 mg/L
							Chromium	2 mg/L
							Cobalt	2 mg/L
							Copper	2 mg/L
							Lead	2 mg/L
							Nickel	2 mg/L
							Selenium	2 mg/L
							Silver	1 mg/L
							Thallium	2 mg/L
							Vanadium	2 mg/L
							Zinc	2 mg/L
					ME ICP2 ICV1B_00033	1 mL	Antimony	2 mg/L
							Molybdenum	2 mg/L
.ME ICP2 ICV1A_00033	10/01/16		INORGANIC VENTURES, Lot J2-MEB598089		(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
.ME ICP2 ICV1B_00033	10/01/16		INORGANIC VENTURES, Lot J2-MEB598090		(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
ME ICP IFA_01258	04/14/16	04/13/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM_00005	0.5 mL	Ca	600 mg/L
					ME Al Std_00006	0.5 mL	Al	600 mg/L
					ME FE 10K PPM_00006	2 mL	Fe	600 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600 mg/L
							Ca	600 mg/L
							Fe	600 mg/L
							Mg	600 mg/L
					ME MG_00004	0.5 mL	Mg	600 mg/L
.CALCIUM_00005	12/31/16		o2si, Lot 1077105		(Purchased Reagent)		Ca	10000 mg/L
.ME Al Std_00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Al	10000 ppm
.ME FE 10K PPM_00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Fe	10000 mg/L
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME MG_00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
ME ICP IFA_01259	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM_00005	0.5 mL	Ca	600 mg/L
					ME Al Std_00006	0.5 mL	Al	600 mg/L
					ME FE 10K PPM_00006	2 mL	Fe	600 mg/L
					ME ICP_ICSA_00027	5 mL	Al	600 mg/L
							Ca	600 mg/L
							Fe	600 mg/L
							Mg	600 mg/L
					ME MG_00004	0.5 mL	Mg	600 mg/L
.CALCIUM_00005	12/31/16		o2si, Lot 1077105		(Purchased Reagent)		Ca	10000 mg/L
.ME Al Std_00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Al	10000 ppm
.ME FE 10K PPM_00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Fe	10000 mg/L
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME MG_00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
ME ICP IFB_01278	04/14/16	04/13/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM_00005	0.5 mL	Ca	600.5 mg/L
					ME Al Std_00006	0.5 mL	Al	600.5 mg/L
					ME FE 10K PPM_00006	2 mL	Fe	600.5 mg/L
					ME ICP SPKE A_00021	0.25 mL	Antimony	0.5 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	0.5 mg/L
							Beryllium	0.5 mg/L
							Ca	600.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Fe	600.5 mg/L
							Lead	0.5 mg/L
							Li	0.5 mg/L
							Mg	600.5 mg/L
							Mn	0.5 mg/L
							Molybdenum	0.5 mg/L
							Nickel	0.5 mg/L
							P	0.5 mg/L
							Selenium	0.5 mg/L
							Sn	0.5 mg/L
							Sr	0.5 mg/L
							Thallium	0.5 mg/L
							Ti	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
					ME ICP SPKE B_00020	0.25 mL	Al	600.5 mg/L
							B	0.5 mg/L
							Barium	0.5 mg/L
							K	10 mg/L
							Na	10 mg/L
							Si	2.5 mg/L
					ME ICP_ICSA_00027	5 mL	Silver	0.25 mg/L
							Al	600.5 mg/L
							Ca	600.5 mg/L
							Fe	600.5 mg/L
							Mg	600.5 mg/L
					ME K 00005	0.25 mL	K	10 mg/L
					ME MG 00004	0.5 mL	Mg	600.5 mg/L
					ME Na 00006	0.25 mL	Na	10 mg/L
					ME TUNGSTEN 00014	0.25 mL	W	0.5 mg/L
					ME ZR 100ppm 00001	0.25 mL	Zr	0.5 mg/L
.CALCIUM 00005	12/31/16		o2si, Lot 1077105		(Purchased Reagent)		Ca	10000 mg/L
.ME Al Std 00006	05/15/16		02si, Lot 1067830		(Purchased Reagent)		Al	10000 ppm
.ME FE 10K PPM 00006	12/31/16		o2si, Lot 1077106		(Purchased Reagent)		Fe	10000 mg/L
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Ca	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Fe	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	100 ug/mL
							Li	100 ug/mL
							Mg	100 ug/mL
							Mn	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							P	100 ug/mL
							Selenium	100 ug/mL
							Sn	100 ug/mL
							Sr	100 ug/mL
							Thallium	100 ug/mL
							Ti	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)		Al	100 ug/mL
							B	100 ug/mL
							Barium	100 ug/mL
							K	1000 ug/mL
							Na	1000 ug/mL
							Si	500 ug/mL
							Silver	50 ug/mL
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME K_00005	01/01/17		O2SI, Lot 1077141		(Purchased Reagent)		K	1000 mg/L
.ME MG_00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
.ME Na_00006	01/01/17		O2SI, Lot 1077142		(Purchased Reagent)		Na	1000 mg/L
.ME TUNGSTEN_00014	10/27/18		Inorganic Ventures, Lot J2-W02031		(Purchased Reagent)		W	100 ppm
.ME ZR_100ppm_00001	12/01/16		Inorganic Ventures, Lot J2-MEB596019		(Purchased Reagent)		Zr	100 ug/mL
ME ICP IFB_01279	04/14/16	04/14/16	1%HNO3/2%HCl, Lot NA	50 mL	CALCIUM_00005	0.5 mL	Ca	600.5 mg/L
					ME Al Std_00006	0.5 mL	Al	600.5 mg/L
					ME FE 10K PPM_00006	2 mL	Fe	600.5 mg/L
					ME ICP SPKE A_00021	0.25 mL	Antimony	0.5 mg/L
							Arsenic	0.5 mg/L
							Beryllium	0.5 mg/L
							Ca	600.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Fe	600.5 mg/L
							Lead	0.5 mg/L
							Li	0.5 mg/L
							Mg	600.5 mg/L
							Mn	0.5 mg/L
							Molybdenum	0.5 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
							Nickel	0.5 mg/L		
							Selenium	0.5 mg/L		
							Sn	0.5 mg/L		
							Sr	0.5 mg/L		
							Thallium	0.5 mg/L		
							Ti	0.5 mg/L		
							Vanadium	0.5 mg/L		
					Zinc	0.5 mg/L	ME ICP SPKE B_00020	0.25 mL	Al	600.5 mg/L
					B	0.5 mg/L				
					Barium	0.5 mg/L				
					K	10 mg/L				
					Si	2.5 mg/L				
					Silver	0.25 mg/L	ME ICP_ICSA_00027	5 mL	Al	600.5 mg/L
					Ca	600.5 mg/L				
					Fe	600.5 mg/L				
					Mg	600.5 mg/L				
ME K 00005	0.25 mL	K	10 mg/L							
ME MG 00004	0.5 mL	Mg	600.5 mg/L							
ME TUNGSTEN 00014	0.25 mL	W	0.5 mg/L							
ME ZR 100ppm 00001	0.25 mL	Zr	0.5 mg/L							
.CALCIUM 00005	12/31/16	o2si, Lot 1077105			(Purchased Reagent)		Ca	10000 mg/L		
.ME Al Std 00006	05/15/16	02si, Lot 1067830			(Purchased Reagent)		Al	10000 ppm		
.ME FE 10K PPM 00006	12/31/16	o2si, Lot 1077106			(Purchased Reagent)		Fe	10000 mg/L		
.ME ICP SPKE A_00021	10/29/16	ACCUSTANDARD, Lot 214105086			(Purchased Reagent)		Antimony	100 ug/mL		
							Arsenic	100 ug/mL		
							Beryllium	100 ug/mL		
							Ca	100 ug/mL		
							Cadmium	100 ug/mL		
							Chromium	100 ug/mL		
							Cobalt	100 ug/mL		
							Copper	100 ug/mL		
							Fe	100 ug/mL		
							Lead	100 ug/mL		
							Li	100 ug/mL		
							Mg	100 ug/mL		
							Mn	100 ug/mL		
							Molybdenum	100 ug/mL		
							Nickel	100 ug/mL		
							Selenium	100 ug/mL		
							Sn	100 ug/mL		
							Sr	100 ug/mL		
							Thallium	100 ug/mL		
Ti	100 ug/mL									
Vanadium	100 ug/mL									
Zinc	100 ug/mL									
.ME ICP SPKE B_00020	05/11/16	ACCUSTANDARD, Lot 214115039			(Purchased Reagent)		Al	100 ug/mL		

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							B	100 ug/mL
							Barium	100 ug/mL
							K	1000 ug/mL
							Si	500 ug/mL
							Silver	50 ug/mL
.ME ICP_ICSA_00027	10/01/17		o2si, Lot 1088702		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
.ME K 00005	01/01/17		O2SI, Lot 1077141		(Purchased Reagent)		K	1000 mg/L
.ME MG 00004	05/15/16		o2si, Lot 1067827		(Purchased Reagent)		Mg	10000 mg/L
.ME TUNGSTEN_00014	10/27/18		Inorganic Ventures, Lot J2-W02031		(Purchased Reagent)		W	100 ppm
.ME ZR 100ppm 00001	12/01/16		Inorganic Ventures, Lot J2-MEB596019		(Purchased Reagent)		Zr	100 ug/mL
ME ICP STD3_01237	04/14/16	04/13/16	1%HNO3/2%HCL, Lot 211065110	100 mL	ME ICP SPKE A_00021	1 mL	Antimony	1 ug/mL
							Arsenic	1 ug/mL
							Beryllium	1 ug/mL
							Cadmium	1 ug/mL
							Chromium	1 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL
							Lead	1 ug/mL
							Molybdenum	1 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	1 ug/mL
					ME ICP SPKE B_00020	1 mL	Barium	1 ug/mL
							Silver	0.5 ug/mL
							Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
.ME ICP SPKE A_00021	10/29/16		ACCUSTANDARD, Lot 214105086		(Purchased Reagent)		Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Thallium	100 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
							Barium	100 ug/mL
							Silver	50 ug/mL
.ME ICP SPKE B_00020	05/11/16		ACCUSTANDARD, Lot 214115039		(Purchased Reagent)			

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME ICP STD3_01238	04/15/16	04/14/16	1%HNO3/2%HCL, Lot 211065110	100 mL	ME ICP SPKE A_00021	1 mL	Antimony	1 ug/mL
							Arsenic	1 ug/mL
							Beryllium	1 ug/mL
							Cadmium	1 ug/mL
							Chromium	1 ug/mL
							Cobalt	1 ug/mL
							Copper	1 ug/mL
							Lead	1 ug/mL
							Molybdenum	1 ug/mL
							Nickel	1 ug/mL
							Selenium	1 ug/mL
							Thallium	1 ug/mL
							Vanadium	1 ug/mL
							Zinc	1 ug/mL
					ME ICP SPKE B_00020	1 mL	Barium	1 ug/mL
.ME ICP SPKE A_00021	10/29/16	ACCUSTANDARD, Lot 214105086			(Purchased Reagent)		Silver	0.5 ug/mL
							Antimony	100 ug/mL
							Arsenic	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Molybdenum	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Thallium	100 ug/mL
.ME ICP SPKE B_00020	05/11/16	ACCUSTANDARD, Lot 214115039			(Purchased Reagent)		Vanadium	100 ug/mL
							Zinc	100 ug/mL
							Barium	100 ug/mL
ME ICP2 ICV1A_00038	01/01/17	INORGANIC VENTURES, Lot J2-MEB598089			(Purchased Reagent)		Silver	50 ug/mL
							Al	100 mg/L
							Arsenic	100 mg/L
							B	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Ca	500 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Fe	100 mg/L
							K	1000 mg/L
							Lead	100 mg/L
							Li	100 mg/L
							Mg	500 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mn	100 mg/L
							Na	1000 mg/L
							Nickel	100 mg/L
							P	100 mg/L
							Selenium	100 mg/L
							Silver	50 mg/L
							Sr	100 mg/L
							Thallium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ME ICP2 ICV1B_00036	01/01/17	INORGANIC VENTURES, Lot J2-MEB598090			(Purchased Reagent)		Antimony	100 mg/L
							Molybdenum	100 mg/L
							Si	500 mg/L
							SiO2	1071.15 mg/L
							Sn	100 mg/L
							Ti	100 mg/L
							W	100 mg/L
							Zr	100 mg/L
ME K2S2O8_00058	10/21/16	03/21/16	Di Water, Lot n/a	2 L	ME K2S2O8_00057	100 g	Stock Chemical	5 %
.ME K2S2O8_00057	01/15/25		sigma-aldrich, Lot mkbv6966v		(Purchased Reagent)		Stock Chemical	100 %
ME KMN04_00141	07/21/16	03/21/16	Di Water, Lot n/a	6 L	ME KMN04_00024	300 g	Stock Chemical	5 %
.ME KMNO4_00024	10/07/16		Fisher, Lot 149371		(Purchased Reagent)		Stock Chemical	100 %
SVWCE_1_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	2.5 uL	1-Methylnaphthalene	0.05 ug/mL
							2-Methylnaphthalene	0.05 ug/mL
							Acenaphthene	0.05 ug/mL
							Acenaphthylene	0.05 ug/mL
							Anthracene	0.05 ug/mL
							Benzo[a]anthracene	0.05 ug/mL
							Benzo[a]pyrene	0.05 ug/mL
							Benzo[b]fluoranthene	0.05 ug/mL
							Benzo[g,h,i]perylene	0.05 ug/mL
							Benzo[k]fluoranthene	0.05 ug/mL
							Chrysene	0.05 ug/mL
							Dibenz(a,h)anthracene	0.05 ug/mL
							Fluoranthene	0.05 ug/mL
							Fluorene	0.05 ug/mL
							Indeno[1,2,3-cd]pyrene	0.05 ug/mL
							Naphthalene	0.05 ug/mL
							Phenanthrene	0.05 ug/mL
							Pyrene	0.05 ug/mL
							2-Fluorobiphenyl (Surr)	0.05 ug/mL
							Nitrobenzene-d5	0.05 ug/mL
							Terphenyl-d14	0.05 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration				
					Reagent ID	Volume Added						
							Naphthalene-d8	0.5 ug/mL				
							Perylene-d12	0.5 ug/mL				
							Phenanthrene-d10	0.5 ug/mL				
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL				
							2-Methylnaphthalene	20 ug/mL				
							Acenaphthene	20 ug/mL				
							Acenaphthylene	20 ug/mL				
							Anthracene	20 ug/mL				
							Benzo[a]anthracene	20 ug/mL				
							Benzo[a]pyrene	20 ug/mL				
							Benzo[b]fluoranthene	20 ug/mL				
							Benzo[g,h,i]perylene	20 ug/mL				
							Benzo[k]fluoranthene	20 ug/mL				
							Chrysene	20 ug/mL				
							Dibenz(a,h)anthracene	20 ug/mL				
							Fluoranthene	20 ug/mL				
							Fluorene	20 ug/mL				
							Indeno[1,2,3-cd]pyrene	20 ug/mL				
							Naphthalene	20 ug/mL				
							Phenanthrene	20 ug/mL				
							Pyrene	20 ug/mL				
										SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)
							Nitrobenzene-d5	20 ug/mL				
							Terphenyl-d14	20 ug/mL				
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL				
							2-Methylnaphthalene	2000 ug/mL				
							Acenaphthene	2000 ug/mL				
							Acenaphthylene	2000 ug/mL				
							Anthracene	2000 ug/mL				
							Benzo[a]anthracene	2000 ug/mL				
							Benzo[a]pyrene	2000 ug/mL				
							Benzo[b]fluoranthene	2000 ug/mL				
							Benzo[g,h,i]perylene	2000 ug/mL				
							Benzo[k]fluoranthene	2000 ug/mL				
							Chrysene	2000 ug/mL				
							Dibenz(a,h)anthracene	2000 ug/mL				
							Fluoranthene	2000 ug/mL				
							Fluorene	2000 ug/mL				
							Indeno[1,2,3-cd]pyrene	2000 ug/mL				
							Naphthalene	2000 ug/mL				
							Phenanthrene	2000 ug/mL				
							Pyrene	2000 ug/mL				
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL				
							Nitrobenzene-d5	5000 ug/mL				
							Terphenyl-d14	5000 ug/mL				
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm				

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_2__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	5 uL	1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5	0.1 ug/mL
							Terphenyl-d14	0.1 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SVWCE_3__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	12.5 uL	1-Methylnaphthalene	0.25 ug/mL
							2-Methylnaphthalene	0.25 ug/mL
							Acenaphthene	0.25 ug/mL
							Acenaphthylene	0.25 ug/mL
							Anthracene	0.25 ug/mL
							Benzo[a]anthracene	0.25 ug/mL
							Benzo[a]pyrene	0.25 ug/mL
							Benzo[b]fluoranthene	0.25 ug/mL
							Benzo[g,h,i]perylene	0.25 ug/mL
							Benzo[k]fluoranthene	0.25 ug/mL
							Chrysene	0.25 ug/mL
							Dibenz(a,h)anthracene	0.25 ug/mL
							Fluoranthene	0.25 ug/mL
							Fluorene	0.25 ug/mL
							Indeno[1,2,3-cd]pyrene	0.25 ug/mL
							Naphthalene	0.25 ug/mL
							Phenanthrene	0.25 ug/mL
							Pyrene	0.25 ug/mL
							2-Fluorobiphenyl (Surr)	0.25 ug/mL
							Nitrobenzene-d5	0.25 ug/mL
							Terphenyl-d14	0.25 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16	Restek, Lot A095886			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16	Restek, Lot A0111094			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16	Restek, Lot A0109360			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_4__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	25 uL	1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Chrysene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz (a,h)anthracene	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							Nitrobenzene-d5	0.5 ug/mL
							Terphenyl-d14	0.5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz (a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	2000 ug/mL
							Dibenz (a,h) anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_5__00010	08/12/16	08/12/15	Methylene Chloride, Lot 100898	25 mL	SVICE_00009	1.25 mL	1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz (a,h) anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
					SVWIE_00017	500 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA_00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA_00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_6_00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	125 uL	1-Methylnaphthalene	2.5 ug/mL
							2-Methylnaphthalene	2.5 ug/mL
							Acenaphthene	2.5 ug/mL
							Acenaphthylene	2.5 ug/mL
							Anthracene	2.5 ug/mL
							Benzo[a]anthracene	2.5 ug/mL
							Benzo[a]pyrene	2.5 ug/mL
							Benzo[b]fluoranthene	2.5 ug/mL
							Benzo[g,h,i]perylene	2.5 ug/mL
							Benzo[k]fluoranthene	2.5 ug/mL
							Chrysene	2.5 ug/mL
							Dibenz(a,h)anthracene	2.5 ug/mL
							Fluoranthene	2.5 ug/mL
							Fluorene	2.5 ug/mL
							Indeno[1,2,3-cd]pyrene	2.5 ug/mL
							Naphthalene	2.5 ug/mL
							Phenanthrene	2.5 ug/mL
							Pyrene	2.5 ug/mL
							2-Fluorobiphenyl (Surr)	2.5 ug/mL
							Nitrobenzene-d5	2.5 ug/mL
							Terphenyl-d14	2.5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
SVWCE_7__00007	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	250 uL	1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Anthracene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Chrysene	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_8__00004	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	500 uL	1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	10 ug/mL
							Dibenz (a,h)anthracene	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	Phenanthrene-d10	0.5 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz (a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
					Indeno[1,2,3-cd]pyrene	20 ug/mL		
Naphthalene	20 ug/mL							
Phenanthrene	20 ug/mL							
Pyrene	20 ug/mL							
SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL					
		Nitrobenzene-d5	20 ug/mL					
		Terphenyl-d14	20 ug/mL					
..SVSCE_PAHSIM_00012	08/12/16		Restek, Lot A095886		(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16		Restek, Lot A0111094		(Purchased Reagent)		Pyrene	2000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWCE_9__00003	08/12/16	08/12/15	Methylene Chloride, Lot 100898	1 mL	SVICE_00009	1 mL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
					SVWIE_00017	20 uL	1,4-Dichlorobenzene-d4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVICE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSCE_PAHSIM_00012	50 uL	1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Chrysene	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
					SVSSA_BN_00076	20 uL	2-Fluorobiphenyl (Surr)	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
..SVSCE_PAHSIM_00012	08/12/16	Restek, Lot A095886			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
..SVSSA_BN_00076	08/12/16	Restek, Lot A0111094			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA__00172	312.5 uL	1,4-Dichlorobenzene-d4	25 ppm
							Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16	Restek, Lot A0109360			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB00000100898	25 mL	SVSIA__00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
							.SVSIA__00172	08/12/16
Chrysene-d12	2000 ug/mL							
Naphthalene-d8	2000 ug/mL							
Perylene-d12	2000 ug/mL							
Phenanthrene-d10	2000 ug/mL							
SVWLE_00010	11/03/16	11/03/15	80:20 MeCl2:MeOH, Lot 100898/62345	1000 mL	SVSCE_00001	1 mL		
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo (b) fluoranthene / Benzo (k) fluoranthene	4 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Chrysene	2 ug/mL
							Dibenz (a,h) anthracene	2 ug/mL
							Fluoranthene	2 ug/mL
Fluorene	2 ug/mL							
Indeno[1,2,3-cd]pyrene	2 ug/mL							
Naphthalene	2 ug/mL							
Phenanthrene	2 ug/mL							
Pyrene	2 ug/mL							
.SVSCE_00001	11/03/16	Restek, Lot A092153			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2-Methylnaphthalene	2000 ug/mL
							Acenaphthene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	2000 ug/mL
							Anthracene	2000 ug/mL
							Benzo(b)fluoranthene / Benzo(k)fluoranthene	4000 ug/mL
							Benzo[a]anthracene	2000 ug/mL
							Benzo[a]pyrene	2000 ug/mL
							Benzo[b]fluoranthene	2000 ug/mL
							Benzo[g,h,i]perylene	2000 ug/mL
							Benzo[k]fluoranthene	2000 ug/mL
							Chrysene	2000 ug/mL
							Dibenz(a,h)anthracene	2000 ug/mL
							Fluoranthene	2000 ug/mL
							Fluorene	2000 ug/mL
							Indeno[1,2,3-cd]pyrene	2000 ug/mL
							Naphthalene	2000 ug/mL
							Phenanthrene	2000 ug/mL
							Pyrene	2000 ug/mL
SVWSE_00015	11/06/16	11/06/15	80:20 MeCl ₂ :MeOH, Lot 100898/62345	2000 mL	SVSSA_00002	0.8 mL	2,4,6-Tribromophenol	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Phenol-d5	2 ug/mL
							Phenol-d6	2.0408 ug/mL
							Terphenyl-d14	2 ug/mL
.SVSSA_00002	11/06/16		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5102 ug/mL
							Terphenyl-d14	5000 ug/mL
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVWIE_00017	100 uL	Acenaphthene-d10	0.5 ug/mL
							Chrysene-d12	0.5 ug/mL
							Naphthalene-d8	0.5 ug/mL
							Perylene-d12	0.5 ug/mL
							Phenanthrene-d10	0.5 ug/mL
.SVWIE_00017	08/12/16	08/12/15	Methylene Chloride, Lot JTB0000100898	25 mL	SVSIA__00172	312.5 uL	Acenaphthene-d10	25 ppm
							Chrysene-d12	25 ppm
							Naphthalene-d8	25 ppm
							Perylene-d12	25 ppm
							Phenanthrene-d10	25 ppm
..SVSIA__00172	08/12/16		Restek, Lot A0109360		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Naphthalene-d8	2000 ug/mL					
							Perylene-d12	2000 ug/mL					
							Phenanthrene-d10	2000 ug/mL					
SVWXE_00009	08/12/16	08/12/15	Methylene Chloride, Lot 100898	5 mL	SVSSA_BN_00076	1 uL	2-Fluorobiphenyl (Surr)	1 ug/mL					
							Nitrobenzene-d5	1 ug/mL					
							Terphenyl-d14	1 ug/mL					
										SVSXE_00001	2.5 uL	Acenaphthene	1 ug/mL
									Acenaphthylene			1 ug/mL	
									Anthracene			1 ug/mL	
									Benzo[a]anthracene			1 ug/mL	
									Benzo[a]pyrene			1 ug/mL	
									Benzo[b]fluoranthene			1 ug/mL	
									Benzo[g,h,i]perylene			1 ug/mL	
									Benzo[k]fluoranthene			1 ug/mL	
									Chrysene			1 ug/mL	
									Dibenz(a,h)anthracene			1 ug/mL	
									Fluoranthene			1 ug/mL	
									Fluorene			1 ug/mL	
									Indeno[1,2,3-cd]pyrene			1 ug/mL	
									Naphthalene			1 ug/mL	
									Phenanthrene			1 ug/mL	
									Pyrene			1 ug/mL	
.SVSSA_BN_00076	08/12/16		Restek, Lot A0111094			(Purchased Reagent)	2-Fluorobiphenyl (Surr)	5000 ug/mL					
							Nitrobenzene-d5	5000 ug/mL					
							Terphenyl-d14	5000 ug/mL					
.SVSXE_00001	08/12/16		Restek, Lot A093990			(Purchased Reagent)	Acenaphthene	2000 ug/mL					
							Acenaphthylene	2000 ug/mL					
							Anthracene	2000 ug/mL					
							Benzo[a]anthracene	2000 ug/mL					
							Benzo[a]pyrene	2000 ug/mL					
							Benzo[b]fluoranthene	2000 ug/mL					
							Benzo[g,h,i]perylene	2000 ug/mL					
							Benzo[k]fluoranthene	2000 ug/mL					
							Chrysene	2000 ug/mL					
							Dibenz(a,h)anthracene	2000 ug/mL					
							Fluoranthene	2000 ug/mL					
							Fluorene	2000 ug/mL					
							Indeno[1,2,3-cd]pyrene	2000 ug/mL					
							Naphthalene	2000 ug/mL					
							Phenanthrene	2000 ug/mL					
						Pyrene	2000 ug/mL						
VMWNU8260002_00227	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMWNU8260200_00083	10 uL	2-Chloroethyl vinyl ether	2 ug/mL					
							Bromomethane	2 ug/mL					
							Butadiene	2 ug/mL					
							Chloroethane	2 ug/mL					
							Chloromethane	2 ug/mL					
							Dichlorodifluoromethane	2 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorofluoromethane	2 ug/mL
							Trichlorofluoromethane	2 ug/mL
							Vinyl chloride	2 ug/mL
							2-Butanone (MEK)	2 ug/mL
							2-Hexanone	2 ug/mL
							4-Methyl-2-pentanone (MIBK)	2 ug/mL
							Acetone	2 ug/mL
							1,1,1,2-Tetrachloroethane	2 ug/mL
							1,1,1-Trichloroethane	2 ug/mL
							1,1,2,2-Tetrachloroethane	2 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2 ug/mL
							1,1,2-Trichloroethane	2 ug/mL
							1,1-Dichloroethane	2 ug/mL
							1,1-Dichloroethene	2 ug/mL
							1,1-Dichloropropene	2 ug/mL
							1,2,3-Trichlorobenzene	2 ug/mL
							1,2,3-Trichloropropane	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2,4-Trimethylbenzene	2 ug/mL
							1,2-Dibromo-3-Chloropropane	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dichloroethane	2 ug/mL
							1,2-Dichloropropane	2 ug/mL
							1,3,5-Trimethylbenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dichloropropane	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							2,2-Dichloropropane	2 ug/mL
							2-Chlorotoluene	2 ug/mL
							2-Methyl-2-propanol	20 ug/mL
							3-Chloro-1-propene	2 ug/mL
							4-Chlorotoluene	2 ug/mL
							4-Isopropyltoluene	2 ug/mL
							Acrylonitrile	20 ug/mL
							Benzene	2 ug/mL
							Bromobenzene	2 ug/mL
							Bromoform	2 ug/mL
							Carbon disulfide	2 ug/mL
							Carbon tetrachloride	2 ug/mL
							Chlorobenzene	2 ug/mL
							Chlorobromomethane	2 ug/mL
							Chlorodibromomethane	2 ug/mL
							Chloroform	2 ug/mL
							cis-1,2-Dichloroethene	2 ug/mL
							cis-1,3-Dichloropropene	2 ug/mL
							Cyclohexane	2 ug/mL
							Dibromomethane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorobromomethane	2 ug/mL
							Ethyl ether	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Ethylbenzene	2 ug/mL
							Ethylene Dibromide	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexane	2 ug/mL
							Iodomethane	2 ug/mL
							Isobutyl alcohol	50 ug/mL
							Isopropylbenzene	2 ug/mL
							m,p-Xylene	2 ug/mL
							Methyl tert-butyl ether	2 ug/mL
							Methylene Chloride	2 ug/mL
							n-Butylbenzene	2 ug/mL
							n-Heptane	2 ug/mL
							N-Propylbenzene	2 ug/mL
							Naphthalene	2 ug/mL
							o-Xylene	2 ug/mL
							sec-Butylbenzene	2 ug/mL
							Styrene	2 ug/mL
							tert-Butylbenzene	2 ug/mL
							Tetrachloroethene	2 ug/mL
							Tetrahydrofuran	4 ug/mL
							Toluene	2 ug/mL
							trans-1,2-Dichloroethene	2 ug/mL
							trans-1,3-Dichloropropene	2 ug/mL
							trans-1,4-Dichloro-2-butene	2 ug/mL
							Trichloroethene	2 ug/mL
							Vinyl acetate	2 ug/mL
							Acrolein	2 ug/mL
							Acetonitrile	20 ug/mL
							Ethanol	100 ug/mL
							Isopropyl ether	2 ug/mL
							Propionitrile	20 ug/mL
							Tert-amyl methyl ether	2 ug/mL
							Tert-butyl ethyl ether	2 ug/mL
.VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VMA158260MEG1_00019	80 uL	Acetone	200 ug/mL
							1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							trans-1,4-Dichloro-2-butene	200 ug/mL
							Trichloroethene	200 ug/mL
					VMA158260VA1_00019	40 uL	Vinyl acetate	200 ug/mL
					VMANU8260ACR1_00063	10 uL	Acrolein	200 ug/mL
					VMANU8260POL1_00004	100 uL	Acetonitrile	2000 ug/mL
..VMA1582602CV1_00008 ..VMA158260GAS1_00080	09/29/16		Restek, Lot A0112895 Restek, Lot A0115012				Ethanol	10000 ug/mL
							Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							2-Chloroethyl vinyl ether	2500 ug/mL
							Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
..VMA158260KET1_00013	09/29/16		Restek, Lot A0113194				Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							2-Butanone (MEK)	12500 ug/mL
..VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166				2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor	2500 ug/mL
							oethane	

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
..VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
..VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260200_00083	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	80 uL	2-Chloroethyl vinyl ether	200 ug/mL
					VMA158260GAS1_00080	80 uL	Bromomethane	200 ug/mL
							Butadiene	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Dichlorofluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
					VMA158260KET1_00013	16 uL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VMA158260MEG1_00019	80 uL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							2-Methyl-2-propanol	2000 ug/mL
							3-Chloro-1-propene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Acrylonitrile	2000 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromoform	200 ug/mL
							Carbon disulfide	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chlorodibromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Cyclohexane	200 ug/mL
							Dibromomethane	200 ug/mL
							Dichlorobromomethane	200 ug/mL
							Ethyl ether	200 ug/mL
							Ethyl methacrylate	200 ug/mL
							Ethylbenzene	200 ug/mL
							Ethylene Dibromide	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexane	200 ug/mL
							Iodomethane	200 ug/mL
							Isobutyl alcohol	5000 ug/mL
							Isopropylbenzene	200 ug/mL
							m,p-Xylene	200 ug/mL
							Methyl tert-butyl ether	200 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							n-Heptane	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Tetrahydrofuran	400 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							trans-1,4-Dichloro-2-butene	200 ug/mL
					Trichloroethene	200 ug/mL		
					VMA158260VA1_00019	40 uL	Vinyl acetate	200 ug/mL
					VMANU8260ACR1_00063	10 uL	Acrolein	200 ug/mL
					VMANU8260POL1_00004	100 uL	Acetonitrile	2000 ug/mL
							Ethanol	10000 ug/mL
							Isopropyl ether	200 ug/mL
							Propionitrile	2000 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
.VMA1582602CV1_00008	09/29/16	Restek, Lot A0112895			(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.VMA158260GAS1_00080	09/29/16	Restek, Lot A0115012			(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
.VMA158260KET1_00013	09/29/16	Restek, Lot A0113194			(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.VMA158260MEG1_00019	09/29/16	Restek, Lot A0108166			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
VMWNU8260CCV1_00408	04/05/16	03/29/16	Methanol, Lot 3211630	1 mL	VMA1582602CV1_00008	20 uL	2-Chloroethyl vinyl ether	50 ug/mL
					VMA158260GAS1_00080	20 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
					VMA158260KET1_00013	4 uL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
					VMA158260MEG1_00019	20 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VMA158260VA1_00019	8 uL	Vinyl acetate	40 ug/mL
					VMANU8260ACR1_00063	2.5 uL	Acrolein	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VMANU8260POL1_00004	25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
.VMA1582602CV1_00008	09/29/16		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.VMA158260GAS1_00080	09/29/16		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
.VMA158260KET1_00013	09/29/16		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.VMA158260VA1_00019	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
.VMANU8260ACR1_00063	04/30/16		Restek, Lot A0115761		(Purchased Reagent)		Acrolein	20000 ug/mL
.VMANU8260POL1_00004	05/31/16		Restek, Lot A0103696		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMWNU8260CCV1_00414	04/12/16	04/05/16	Methanol, Lot 3272619	1 mL	VMA158260MEG1_00019	20 uL	Benzene	50 ug/mL
							Ethylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							o-Xylene	50 ug/mL
							Toluene	50 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260CCV1_00416	04/12/16	04/05/16	Methanol, Lot 3272619	1 mL	VMA158260MEG1_00019	20 uL	Benzene	50 ug/mL
							Ethylbenzene	50 ug/mL
							m,p-Xylene	50 ug/mL
							o-Xylene	50 ug/mL
							Toluene	50 ug/mL
.VMA158260MEG1_00019	09/29/16		Restek, Lot A0108166		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260IS_00100	04/15/16	03/15/16	Methanol, Lot 3211634	1 mL	VMANU8260ISD1_00094	20 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00099	25 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00094	09/15/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00099	09/15/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260IS_00102	04/30/16	03/30/16	Methanol, Lot 3211630	1 mL	VMANU8260ISD1_00094	20 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00099	25 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00094	09/15/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00099	09/15/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260ISD1_00095	800 uL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene (IS)	50 ug/mL
					VMANU8260TD91_00097	1000 uL	TBA-d9 (IS)	500 ug/mL
.VMANU8260ISD1_00095	09/24/16		Restek, Lot A0113698		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
.VMANU8260TD91_00097	09/24/16		Restek, Lot A0113658		(Purchased Reagent)		TBA-d9 (IS)	20000 ug/mL
VMWNU8260ISS_00075	04/24/16	03/24/16	Methanol, Lot 3211635	40 mL	VMANU8260SUR2_00018	800 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VMANU8260SUR2_00018	09/17/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNU8260LCS2_00070	04/06/16	03/30/16	Methanol, Lot 3211630	10 mL	VMA158260MEG2_00020	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00020	09/09/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260LCS2_00071	04/13/16	04/06/16	Methanol, Lot 3272619	10 mL	VMA158260MEG2_00021	200 uL	Benzene	50 ppm
							Ethylbenzene	50 ppm
							m,p-Xylene	50 ppm
							o-Xylene	50 ppm
							Toluene	50 ppm
.VMA158260MEG2_00021	10/06/16		Restek, Lot A0108163		(Purchased Reagent)		Benzene	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m,p-Xylene	2500 ug/mL
							o-Xylene	2500 ug/mL
							Toluene	2500 ug/mL
VMWNU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMWNU8260SUR1_00038	09/15/16		Restek, Lot A0112455		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Method 8260B Low Level

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-VRX B ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	TOL #	BFB #
MW-01	440-143186-1	127	116	112
MW-03	440-143186-2	122	115	110
MW-04	440-143186-3	120	116	113
MW-05	440-143186-4	129	116	114
MW-19	440-143186-5	100	105	105
MW-20	440-143186-6	96	98	95
MW-22	440-143186-7	106	104	99
	MB 440-322726/5	125	118	113
	MB 440-323348/4	111	100	113
	LCS 440-322726/6	124	112	114
	LCS 440-323348/5	103	85	96
	440-143310-A-3 MS	123	110	112
	440-143184-B-4 MS	114	90	98
	440-143310-A-3 MSD	120	111	112
	440-143184-B-4 MSD	111	100	83

DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
 76-132
 80-128
 80-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: GED07006.D
Lab ID: LCS 440-322726/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.0	96	68-130	
Ethylbenzene	25.0	24.5	98	70-130	
m,p-Xylene	25.0	24.8	99	70-130	
o-Xylene	25.0	24.0	96	70-130	
Toluene	25.0	23.4	94	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: XED11005.D

Lab ID: LCS 440-323348/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.6	98	68-130	
Ethylbenzene	25.0	29.5	118	70-130	
m,p-Xylene	25.0	25.2	101	70-130	
o-Xylene	25.0	26.7	107	70-130	
Toluene	25.0	21.3	85	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: GED07009.D
Lab ID: 440-143310-A-3 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	25.1	100	66-130	
Ethylbenzene	25.0	ND	25.2	101	70-130	
m,p-Xylene	25.0	ND	25.3	101	70-133	
o-Xylene	25.0	ND	24.6	99	70-133	
Toluene	25.0	ND	24.1	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: XED11009.D
 Lab ID: 440-143184-B-4 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	28.2	113	66-130	
Ethylbenzene	25.0	ND	27.6	111	70-130	
m,p-Xylene	25.0	ND	29.2	117	70-133	
o-Xylene	25.0	ND	34.5	138	70-133	M1
Toluene	25.0	ND	24.3	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: GED07010.D
 Lab ID: 440-143310-A-3 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	24.6	98	2	20	66-130	
Ethylbenzene	25.0	25.0	100	1	20	70-130	
m,p-Xylene	25.0	25.5	102	1	25	70-133	
o-Xylene	25.0	24.5	98	0	20	70-133	
Toluene	25.0	24.1	96	0	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: XED11010.D
 Lab ID: 440-143184-B-4 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	26.2	105	7	20	66-130	
Ethylbenzene	25.0	26.0	104	6	20	70-130	
m,p-Xylene	25.0	26.2	105	11	25	70-133	
o-Xylene	25.0	27.2	109	24	20	70-133	R6
Toluene	25.0	25.7	103	6	20	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab File ID: GED07005.D Lab Sample ID: MB 440-322726/5
Matrix: Water Heated Purge: (Y/N) Y
Instrument ID: GCMS56 Date Analyzed: 04/07/2016 09:23
GC Column: DB-VRX B ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-322726/6	GED07006.D	04/07/2016 09:52
	440-143310-A-3 MS	GED07009.D	04/07/2016 11:44
	440-143310-A-3 MSD	GED07010.D	04/07/2016 12:13
MW-01	440-143186-1	GED07016.D	04/07/2016 15:11
MW-05	440-143186-4	GED07017.D	04/07/2016 15:40
MW-03	440-143186-2	GED07022.D	04/07/2016 18:08
MW-04	440-143186-3	GED07023.D	04/07/2016 18:38

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab File ID: XED1104.D Lab Sample ID: MB 440-323348/4
Matrix: Water Heated Purge: (Y/N) Y
Instrument ID: GCMS59 Date Analyzed: 04/11/2016 08:40
GC Column: DB-VRX A ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-323348/5	XED11005.D	04/11/2016 09:07
	440-143184-B-4 MS	XED11009.D	04/11/2016 11:35
	440-143184-B-4 MSD	XED11010.D	04/11/2016 12:03
MW-19	440-143186-5	XED11017.D	04/11/2016 15:16
MW-20	440-143186-6	XED11018.D	04/11/2016 15:43
MW-22	440-143186-7	XED11019.D	04/11/2016 16:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab File ID: GED02010.D BFB Injection Date: 04/02/2016
 Instrument ID: GCMS56 BFB Injection Time: 14:55
 Analysis Batch No.: 321924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.1
75	30.0 - 60.0 % of mass 95	42.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.6 (0.6) 1
174	50.0 - 120.00 % of mass 95	91.5
175	5.0 - 9.0 % of mass 174	6.4 (7.0) 1
176	95.0 - 101.0 % of mass 174	89.4 (97.7) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 440-321924/4	GED02013.D	04/02/2016	16:25
	STD035 440-321924/5	GED02014.D	04/02/2016	16:55
	STD05 440-321924/6	GED02015.D	04/02/2016	17:24
	STD1 440-321924/7	GED02016.D	04/02/2016	17:54
	STD2 440-321924/8	GED02017.D	04/02/2016	18:24
	STD5 440-321924/9	GED02018.D	04/02/2016	18:53
	STD10 440-321924/10	GED02019.D	04/02/2016	19:23
	ICIS 440-321924/11	GED02020.D	04/02/2016	19:52
	STD50 440-321924/12	GED02021.D	04/02/2016	20:22
	STD100 440-321924/13	GED02022.D	04/02/2016	20:51
	STD200 440-321924/14	GED02023.D	04/02/2016	21:21
	STD300 440-321924/15	GED02024.D	04/02/2016	21:51
	ICV 440-321924/18	GED02027.D	04/02/2016	23:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab File ID: GED07001.D BFB Injection Date: 04/07/2016
 Instrument ID: GCMS56 BFB Injection Time: 06:40
 Analysis Batch No.: 322726

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.6
75	30.0 - 60.0 % of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.5 (0.5) 1
174	50.0 - 120.00 % of mass 95	87.1
175	5.0 - 9.0 % of mass 174	6.1 (7.0) 1
176	95.0 - 101.0 % of mass 174	85.7 (98.5) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 440-322726/3	GED07003.D	04/07/2016	08:23
	MB 440-322726/5	GED07005.D	04/07/2016	09:23
	LCS 440-322726/6	GED07006.D	04/07/2016	09:52
	440-143310-A-3 MS	GED07009.D	04/07/2016	11:44
	440-143310-A-3 MSD	GED07010.D	04/07/2016	12:13
MW-01	440-143186-1	GED07016.D	04/07/2016	15:11
MW-05	440-143186-4	GED07017.D	04/07/2016	15:40
MW-03	440-143186-2	GED07022.D	04/07/2016	18:08
MW-04	440-143186-3	GED07023.D	04/07/2016	18:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab File ID: XEC30008.D BFB Injection Date: 03/30/2016
Instrument ID: GCMS59 BFB Injection Time: 13:22
Analysis Batch No.: 321171

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.6
75	30.0 - 60.0 % of mass 95	55.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	77.7
175	5.0 - 9.0 % of mass 174	6.1 (7.9) 1
176	95.0 - 101.0 % of mass 174	76.0 (97.9) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD02 440-321171/4	XEC30011.D	03/30/2016	14:43
	STD035 440-321171/5	XEC30012.D	03/30/2016	15:10
	STD05 440-321171/6	XEC30013.D	03/30/2016	15:37
	STD1 440-321171/7	XEC30014.D	03/30/2016	16:04
	STD2 440-321171/8	XEC30015.D	03/30/2016	16:32
	STD5 440-321171/9	XEC30016.D	03/30/2016	16:59
	STD10 440-321171/10	XEC30017.D	03/30/2016	17:27
	ICIS 440-321171/11	XEC30018.D	03/30/2016	17:54
	STD50 440-321171/12	XEC30019.D	03/30/2016	18:22
	STD100 440-321171/13	XEC30020.D	03/30/2016	18:49
	STD200 440-321171/14	XEC30021.D	03/30/2016	19:16
	STD300 440-321171/15	XEC30022.D	03/30/2016	19:44
	ICV 440-321171/18	XEC30025.D	03/30/2016	21:06

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab File ID: XED11001.D BFB Injection Date: 04/11/2016
 Instrument ID: GCMS59 BFB Injection Time: 06:03
 Analysis Batch No.: 323348

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.9
75	30.0 - 60.0 % of mass 95	53.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	77.9
175	5.0 - 9.0 % of mass 174	6.0 (7.7) 1
176	95.0 - 101.0 % of mass 174	76.0 (97.5) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 440-323348/7	XED11007.D	04/11/2016	08:12
	MB 440-323348/4	XED1104.D	04/11/2016	08:40
	LCS 440-323348/5	XED11005.D	04/11/2016	09:07
	440-143184-B-4 MS	XED11009.D	04/11/2016	11:35
	440-143184-B-4 MSD	XED11010.D	04/11/2016	12:03
MW-19	440-143186-5	XED11017.D	04/11/2016	15:16
MW-20	440-143186-6	XED11018.D	04/11/2016	15:43
MW-22	440-143186-7	XED11019.D	04/11/2016	16:11

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: ICIS 440-321924/11 Date Analyzed: 04/02/2016 19:52
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED02020.D Heated Purge: (Y/N) Y
 Calibration ID: 13954

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	540882	3.67	1274157	6.49	949292	9.15	
UPPER LIMIT	1081764	3.97	2548314	6.79	1898584	9.45	
LOWER LIMIT	270441	3.37	637079	6.19	474646	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321924/18		489151	3.67	1087170	6.49	832216	9.15
CCVIS 440-322726/3		614671	3.67	1343277	6.50	1027399	9.15

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: ICIS 440-321924/11 Date Analyzed: 04/02/2016 19:52
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED02020.D Heated Purge: (Y/N) Y
 Calibration ID: 13954

	DCB					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	477981	11.51				
UPPER LIMIT	955962	11.81				
LOWER LIMIT	238991	11.21				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321924/18		410097 11.51				
CCVIS 440-322726/3		520378 11.51				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-322726/3 Date Analyzed: 04/07/2016 08:23
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED07003.D Heated Purge: (Y/N) Y
 Calibration ID: 13962

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	614671	3.67	1343277	6.50	1027399	9.15	
UPPER LIMIT	1229342	3.97	2686554	6.80	2054798	9.45	
LOWER LIMIT	307336	3.37	671639	6.20	513700	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322726/5		622717	3.67	1277467	6.50	922257	9.15
LCS 440-322726/6		610371	3.67	1281563	6.49	965668	9.15
440-143310-A-3 MS		543268	3.67	1243563	6.50	957122	9.15
440-143310-A-3 MSD		617215	3.67	1274530	6.49	959109	9.15
440-143186-1	MW-01	462856	3.67	1059825	6.49	785888	9.15
440-143186-4	MW-05	558030	3.67	1209165	6.49	881068	9.15
440-143186-2	MW-03	718830	3.67	1089198	6.49	807879	9.15
440-143186-3	MW-04	697805	3.67	1168703	6.49	846725	9.15

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-322726/3 Date Analyzed: 04/07/2016 08:23
 Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm)
 Lab File ID (Standard): GED07003.D Heated Purge: (Y/N) Y
 Calibration ID: 13962

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		520378	11.51				
UPPER LIMIT		1040756	11.81				
LOWER LIMIT		260189	11.21				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322726/5		497985	11.51				
LCS 440-322726/6		511213	11.51				
440-143310-A-3 MS		495449	11.51				
440-143310-A-3 MSD		505962	11.51				
440-143186-1	MW-01	417823	11.51				
440-143186-4	MW-05	470327	11.51				
440-143186-2	MW-03	429962	11.51				
440-143186-3	MW-04	447625	11.51				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: ICIS 440-321171/11 Date Analyzed: 03/30/2016 17:54
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XEC30018.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

	TBA		FB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	656380	3.65	1312752	6.85	1035801	10.13	
UPPER LIMIT	1312760	3.95	2625504	7.15	2071602	10.43	
LOWER LIMIT	328190	3.35	656376	6.55	517901	9.83	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321171/18		946389	3.65	1864406	6.85	1452095	10.13
CCVIS 440-323348/7		474603	3.65	958590	6.85	962317	10.13

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Sample No.: ICIS 440-321171/11 Date Analyzed: 03/30/2016 17:54
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
Lab File ID (Standard): XEC30018.D Heated Purge: (Y/N) Y
Calibration ID: 13928

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		582689	13.41				
UPPER LIMIT		1165378	13.71				
LOWER LIMIT		291345	13.11				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321171/18		781747	13.41				
CCVIS 440-323348/7		508171	13.41				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323348/7 Date Analyzed: 04/11/2016 08:12
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XED11007.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		474603	3.65	958590	6.85	962317	10.13
UPPER LIMIT		949206	3.95	1917180	7.15	1924634	10.43
LOWER LIMIT		237302	3.35	479295	6.55	481159	9.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-323348/4		609927	3.65	1067954	6.85	893120	10.13
LCS 440-323348/5		429839	3.65	1005407	6.85	952274	10.13
440-143184-B-4 MS		429935	3.65	923713	6.85	879159	10.13
440-143184-B-4 MSD		480179	3.65	953742	6.85	800670	10.13
440-143186-5	MW-19	971499	3.65	1495354	6.85	1156927	10.13
440-143186-6	MW-20	850908	3.65	1673742	6.85	1197042	10.13
440-143186-7	MW-22	576883	3.65	1521660	6.85	1198158	10.13

TBA = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323348/7 Date Analyzed: 04/11/2016 08:12
 Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm)
 Lab File ID (Standard): XED11007.D Heated Purge: (Y/N) Y
 Calibration ID: 13928

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		508171	13.41				
UPPER LIMIT		1016342	13.71				
LOWER LIMIT		254086	13.11				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-323348/4		475782	13.41				
LCS 440-323348/5		473334	13.41				
440-143184-B-4 MS		512677	13.41				
440-143184-B-4 MSD		551368	13.41				
440-143186-5	MW-19	616452	13.41				
440-143186-6	MW-20	749395	13.41				
440-143186-7	MW-22	690336	13.41				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-01 Lab Sample ID: 440-143186-1
 Matrix: Water Lab File ID: GED07016.D
 Analysis Method: 8260B Date Collected: 03/30/2016 08:40
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 15:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	127		76-132
2037-26-5	Toluene-d8 (Surr)	116		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-03 Lab Sample ID: 440-143186-2
 Matrix: Water Lab File ID: GED07022.D
 Analysis Method: 8260B Date Collected: 03/30/2016 12:40
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 18:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	6.1		0.50	
179601-23-1	m,p-Xylene	3.5		1.0	
95-47-6	o-Xylene	7.7		0.50	
108-88-3	Toluene	1.1		0.50	
1330-20-7	Xylenes, Total	11		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	110		80-120
1868-53-7	Dibromofluoromethane (Surr)	122		76-132
2037-26-5	Toluene-d8 (Surr)	115		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-04 Lab Sample ID: 440-143186-3
 Matrix: Water Lab File ID: GED07023.D
 Analysis Method: 8260B Date Collected: 03/30/2016 11:07
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 18:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	113		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		76-132
2037-26-5	Toluene-d8 (Surr)	116		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-05 Lab Sample ID: 440-143186-4
 Matrix: Water Lab File ID: GED07017.D
 Analysis Method: 8260B Date Collected: 03/30/2016 09:58
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 15:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	129		76-132
2037-26-5	Toluene-d8 (Surr)	116		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-19</u>	Lab Sample ID: <u>440-143186-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>XED11017.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>03/30/2016 14:14</u>
Sample wt/vol: <u>10 (mL)</u>	Date Analyzed: <u>04/11/2016 15:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX A</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323348</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	1.1		0.50	
100-41-4	Ethylbenzene	12		0.50	
179601-23-1	m,p-Xylene	21		1.0	
95-47-6	o-Xylene	21		0.50	
108-88-3	Toluene	0.75		0.50	
1330-20-7	Xylenes, Total	42		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		76-132
2037-26-5	Toluene-d8 (Surr)	105		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-20 Lab Sample ID: 440-143186-6
 Matrix: Water Lab File ID: XED11018.D
 Analysis Method: 8260B Date Collected: 03/30/2016 10:42
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 15:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	21		0.50	
100-41-4	Ethylbenzene	34		0.50	
179601-23-1	m,p-Xylene	3.2		1.0	
95-47-6	o-Xylene	1.7		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	4.9		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		76-132
2037-26-5	Toluene-d8 (Surr)	98		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: MW-22 Lab Sample ID: 440-143186-7
 Matrix: Water Lab File ID: XED11019.D
 Analysis Method: 8260B Date Collected: 04/01/2016 15:22
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 16:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		76-132
2037-26-5	Toluene-d8 (Surr)	104		80-128

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321924/4	GED02013.D
Level 2	STD035 440-321924/5	GED02014.D
Level 3	STD05 440-321924/6	GED02015.D
Level 4	STD1 440-321924/7	GED02016.D
Level 5	STD2 440-321924/8	GED02017.D
Level 6	STD5 440-321924/9	GED02018.D
Level 7	STD10 440-321924/10	GED02019.D
Level 8	ICIS 440-321924/11	GED02020.D
Level 9	STD50 440-321924/12	GED02021.D
Level 10	STD100 440-321924/13	GED02022.D
Level 11	STD200 440-321924/14	GED02023.D
Level 12	STD300 440-321924/15	GED02024.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorodifluoromethane	+++++ 0.3630 0.4096	+++++ 0.3758 0.3832	0.3473 0.3840	0.3123 0.3650	0.2759 0.4006	Ave		0.3617				11.3		15.0			
Chloromethane	+++++ 0.2816 0.3307	+++++ 0.2831 0.3208	0.2332 0.2876	0.2534 0.2856	0.2519 0.3095	Ave		0.2837			0.1000	11.0		15.0			
Vinyl chloride	+++++ 0.2236 0.2656	0.2274 0.2225 0.2381	0.2051 0.2117	0.1992 0.2315	0.1920 0.2438	Ave		0.2237				9.5		30.0			
1,3-Butadiene	+++++ 0.1929 0.2198	+++++ 0.1839 0.2003	+++++ 0.1814	0.1612 0.2023	0.1547 0.2023	Ave		0.1887				11.1		15.0			
Bromomethane	+++++ 0.1469 0.2110	+++++ 0.1648 0.1997	0.1258 0.1654	0.1356 0.1778	0.1318 0.1907	Lin1	-0.088	0.1989							0.9960		0.9900
Chloroethane	+++++ 0.1066 0.1455	+++++ 0.1165 0.1396	0.0870 0.1160	0.0957 0.1246	0.1018 0.1344	Lin1	-0.056	0.1387							0.9970		0.9900
Ethanol	+++++ 0.0822 0.0810	+++++ 0.0777 0.0776	+++++ 0.0738	+++++ 0.0718	0.0743 0.0765	Ave		0.0768				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorofluoromethane	+++++ 0.4236 0.5190	+++++ 0.4565 0.4834	0.4543 0.4384	0.4137 0.4640	0.3987 0.4949	Ave		0.4547				8.3		15.0			
Acrolein	+++++ 0.0211 0.0332	+++++ 0.0237 0.0346	+++++ 0.0236	+++++ 0.0272	0.0255 0.0323	Lin1	-0.051	0.0332							0.9940		0.9900
Acetonitrile	+++++ 0.0219 0.0233	+++++ 0.0214 0.0242	+++++ 0.0213	0.0223 0.0207	0.0279 0.0237	Ave		0.0230				9.6		15.0			
Trichlorofluoromethane	+++++ 0.4620 0.5481	+++++ 0.4777 0.5165	+++++ 0.4252 0.4808	0.4195 0.4972	0.4323 0.5314	Ave		0.4791				9.4		15.0			
Acetone	+++++ 0.0635 0.0717	+++++ 0.0556 0.0756	+++++ 0.0589	+++++ 0.0642	+++++ 0.0790	Ave		0.0669				13.0		15.0			
Diethyl ether	+++++ 0.1841 0.1805	+++++ 0.1952 0.2078	+++++ 0.1849	0.1834 0.1812	0.1821 0.1854	Ave		0.1872				4.7		15.0			
1,1-Dichloroethene	+++++ 0.2862 0.2523	+++++ 0.2632 0.2513	0.2664 0.2899	0.2721 0.2673	0.2669 0.2622	Ave		0.2678				4.7		30.0			
Iodomethane	+++++ 0.5505 0.4754	+++++ 0.5642 0.4576	+++++ 0.5121 0.5569	0.5342 0.5181	0.5379 0.4988	Ave		0.5206				6.8		15.0			
tert-Butyl alcohol (TBA)	+++++ 1.1137 1.0532	+++++ 1.0906 0.9771	+++++ 1.0360	1.0701 1.0337	1.0823 1.0622	Ave		1.0577				3.7		15.0			
Acrylonitrile	0.0998 0.1054 +++++	0.1034 0.1045 +++++	0.1152 0.1031	0.1068 0.0921	0.1065 0.0886	Ave		0.1026				7.4		15.0			
Methylene Chloride	+++++ 0.3489 0.2822	+++++ 0.3265 0.2715	+++++ 0.3276	0.4221 0.3006	0.3520 0.2981	Ave		0.3255				14.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2974 0.2790	+++++ 0.3078 0.2611	0.3070 0.3078	0.3131 0.2878	0.3073 0.2846	Ave		0.2953				5.7		15.0			
Allyl chloride	+++++ 0.4590 0.3595	+++++ 0.4620 +++++	0.4207 0.4532	0.4097 0.4107	0.4832 0.3865	Ave		0.4272				9.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Carbon disulfide	+++++ 0.9979 0.9616	+++++ 1.0412 0.9131	0.8295 1.0582	0.8880 1.0062	0.9014 1.0112	Ave		0.9608				7.8		15.0			
trans-1,2-Dichloroethene	+++++ 0.2944 0.2647	+++++ 0.2945 0.2540	0.2423 0.2873	0.2717 0.2764	0.2615 0.2751	Ave		0.2722				6.3		15.0			
Methyl-t-Butyl Ether (MTBE)	+++++ 0.7302 0.7985	+++++ 0.7104 0.7788	0.6896 0.7896	0.7521 0.7662	0.7196 0.8085	Ave		0.7543				5.4		15.0			
1,1-Dichloroethane	+++++ 0.5601 0.5120	+++++ 0.5678 0.4848	0.4688 0.5715	0.5447 0.5383	0.5625 0.5386	Ave		0.5349		0.1000		6.6		15.0			
Propionitrile	+++++ 0.0416 0.0361	+++++ 0.0426 0.0358	+++++ 0.0437	+++++ 0.0379	0.0382 0.0390	Ave		0.0394				7.6		15.0			
Vinyl acetate	+++++ 0.5589 0.5766	+++++ 0.5779 0.5592	+++++ 0.5862	+++++ 0.5836	0.5271 0.6075	Ave		0.5721				4.2		15.0			
Hexane	+++++ 0.4354 0.3700	+++++ 0.4196 0.3556	+++++ 0.4235	0.3921 0.3960	0.4331 0.3881	Ave		0.4015				7.0		15.0			
2-Butanone (MEK)	+++++ 0.0237 0.0296	+++++ 0.0251 0.0316	+++++ 0.0283	+++++ 0.0283	+++++ 0.0297	Ave		0.0281				9.8		15.0			
Isopropyl Ether (DIPE)	+++++ 0.9416 0.7769	+++++ 0.9944 0.7284	0.8325 0.9824	0.8659 0.8671	0.9117 0.8302	Ave		0.8731				9.9		15.0			
cis-1,2-Dichloroethene	+++++ 0.3177 0.2754	+++++ 0.3244 0.2693	0.2689 0.3167	0.2979 0.2954	0.3241 0.2884	Ave		0.2978				7.4		15.0			
Bromochloromethane	+++++ 0.1471 0.1361	+++++ 0.1570 0.1335	0.1207 0.1514	0.1120 0.1430	0.1384 0.1395	Ave		0.1379				9.8		15.0			
Chloroform	+++++ 0.5577 0.5465	+++++ 0.5679 0.5085	0.5247 0.5654	0.5580 0.5504	0.5700 0.5619	Ave		0.5511				3.6		30.0			
2,2-Dichloropropane	+++++ 0.2586 0.2526	+++++ 0.2734 0.2147	+++++ 0.2692	0.2502 0.2667	0.2489 0.2720	Ave		0.2562				7.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Ethyl-t-butyl ether (ETBE)	+++++ 0.8971 0.8079	+++++ 0.9223 0.7522	0.7607 0.9022	0.8513 0.8297	0.8467 0.8091	Ave		0.8379				6.9		15.0			
Isobutyl alcohol	+++++ 0.4564 0.3663	+++++ 0.4481 0.3467	0.3758 0.4070	0.3738 0.3863	0.3987 0.3894	Ave		0.3949				8.8		15.0			
Tetrahydrofuran	+++++ 0.1097 0.0886	+++++ 0.1049 0.0893	+++++ 0.1039	+++++ 0.0909	0.1385 0.0933	Lin2	0.1885	0.0920							0.9980		0.9900
1,2-Dichloroethane	+++++ 0.4681 0.4957	+++++ 0.4560 0.4600	0.4617 0.4660	0.3982 0.4610	0.4628 0.4917	Ave		0.4621				5.7		15.0			
1,1,1-Trichloroethane	+++++ 0.4225 0.5166	+++++ 0.4308 0.4755	0.4070 0.4496	0.3889 0.4688	0.3891 0.5118	Ave		0.4461				10.4		15.0			
1,1-Dichloropropene	+++++ 0.3905 0.3753	+++++ 0.3983 0.3548	0.3957 0.3933	0.3919 0.3837	0.3896 0.3852	Ave		0.3858				3.3		15.0			
Cyclohexane	+++++ 0.4960 0.4169	+++++ 0.5064 0.3875	0.4966 0.4840	0.5234 0.4491	0.4791 0.4312	Ave		0.4670				9.4		15.0			
Carbon tetrachloride	+++++ 0.3801 0.4767	+++++ 0.3899 0.4386	0.3033 0.4138	0.3533 0.4412	0.3214 0.4822	Lin2	-0.074	0.4288							0.9900		0.9900
Benzene	+++++ 1.1125 0.8185	+++++ 1.0910 +++++	1.0856 1.0457	1.0874 0.9455	1.1063 0.8861	Ave		1.0198				10.7		15.0			
Tert-amyl-methyl ether (TAME)	+++++ 0.7837 0.6938	+++++ 0.7755 0.6671	1.2797 0.7830	0.9807 0.7059	0.8542 0.7159	Lin2	0.2802	0.7153							0.9980		0.9900
Dibromomethane	+++++ 0.1944 0.1766	+++++ 0.1910 0.1683	0.1719 0.1936	0.1904 0.1797	0.1861 0.1809	Ave		0.1833				5.0		15.0			
n-Heptane	+++++ 0.4770 +++++	+++++ 0.4608 +++++	+++++ 0.4339	0.4826 0.3826	0.4906 0.3568	Ave		0.4406				11.9		15.0			
1,2-Dichloropropane	+++++ 0.2870 0.2253	+++++ 0.2837 0.2194	0.2557 0.2759	0.2747 0.2539	0.2735 0.2374	Ave		0.2587				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Trichloroethene	+++++ 0.2812 0.2360	+++++ 0.2785 0.2294	0.2922 0.2715	0.2782 0.2517	0.2859 0.2441	Ave		0.2649				8.5		15.0			
Bromodichloromethane	+++++ 0.3943 0.4391	+++++ 0.4042 0.4045	0.3190 0.4304	0.3384 0.4271	0.3494 0.4486	Ave		0.3955				11.4		15.0			
2-Chloroethyl vinyl ether	+++++ 0.2327 0.1930	+++++ 0.2386 0.1697	+++++ 0.2391	+++++ 0.2038	0.1944 0.1802	Ave		0.2064				13.2		15.0			
cis-1,3-Dichloropropene	+++++ 0.6094 0.5359	+++++ 0.6224 0.4516	0.4942 0.6222	0.5422 0.5623	0.5912 0.5103	Ave		0.5542				10.5		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.3670 0.3568	+++++ 0.3683 0.3123	+++++ 0.3658	+++++ 0.3646	0.3778 0.3378	Ave		0.3563				6.0		15.0			
trans-1,3-Dichloropropene	+++++ 0.5481 0.5421	+++++ 0.5596 0.4545	0.3559 0.5769	0.4810 0.5492	0.4852 0.5125	Ave		0.5065				13.0		15.0			
1,1,2-Trichloroethane	+++++ 0.2925 0.2367	+++++ 0.2940 +++++	0.2528 0.2849	0.2694 0.2465	0.2827 0.2182	Ave		0.2642				10.2		15.0			
Toluene	+++++ 1.4887 +++++	+++++ 1.4059 +++++	1.4968 1.3554	1.5479 1.1580	1.4520 +++++	Ave		1.4149				9.2		30.0			
1,3-Dichloropropane	+++++ 0.5348 0.4545	+++++ 0.5414 +++++	0.5010 0.5366	0.5498 0.4857	0.5328 0.4238	Ave		0.5067				8.7		15.0			
Ethyl methacrylate	+++++ 0.4354 0.3875	+++++ 0.4268 0.3430	0.2929 0.4457	0.3339 0.4032	0.3894 0.3647	Ave		0.3823				12.8		15.0			
2-Hexanone	+++++ 0.2229 0.2724	+++++ 0.2203 0.2404	+++++ 0.2362	+++++ 0.2644	0.2653 0.2541	Ave		0.2470				8.1		15.0			
Dibromochloromethane	+++++ 0.3515 0.4159	+++++ 0.3821 0.3551	0.2737 0.4224	0.3027 0.3990	0.3099 0.3836	Ave		0.3596				14.0		15.0			
1,2-Dibromoethane (EDB)	+++++ 0.3685 0.3294	+++++ 0.3809 0.2848	0.3537 0.3725	0.3245 0.3426	0.3545 0.3100	Ave		0.3422				8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Tetrachloroethene	++++ 0.3237 0.2598	++++ 0.3188 ++++	0.3284 0.3021	0.2981 0.2679	0.3334 0.2400	Ave		0.2969				11.3		15.0			
1,1,1,2-Tetrachloroethane	++++ 0.3278 0.3399	++++ 0.3547 0.2881	0.2632 0.3660	0.3288 0.3416	0.3147 0.3164	Ave		0.3241				9.4		15.0			
Chlorobenzene	++++ 1.0216 ++++	++++ 0.9850 ++++	1.0358 0.9369	1.0219 0.7955	1.0149 0.6857	Ave		0.9372			0.3000	13.7		15.0			
Ethylbenzene	++++ 1.6790 ++++	++++ 1.6482 ++++	1.8922 1.5701	1.7641 1.3759	1.7487 ++++	Ave		1.6683				9.8		30.0			
m,p-Xylene	++++ 0.6565 0.5323	++++ 0.6346 ++++	0.7272 0.6221	0.6504 0.5428	0.6533 0.4834	Ave		0.6114				12.5		15.0			
Bromoform	++++ 0.2257 0.3179	++++ 0.2555 0.2723	0.1348 0.3022	0.1750 0.2853	0.1953 0.2829	Lin1	-0.116	0.2896			0.1000				0.9950		0.9900
Styrene	++++ 1.0086 0.8140	++++ 1.0155 ++++	0.9330 0.9774	1.0377 0.8533	1.0341 0.7570	Ave		0.9367				11.1		15.0			
1,1,2,2-Tetrachloroethane	++++ 0.8894 0.6564	++++ 0.9065 ++++	0.8740 0.8421	0.8958 0.7374	0.9081 0.6727	Ave		0.8203			0.3000	12.5		15.0			
o-Xylene	++++ 0.6335 0.5065	0.6653 0.6375 ++++	0.6646 0.5990	0.6439 0.5086	0.6789 0.4551	Ave		0.5993				13.3		15.0			
1,2,3-Trichloropropane	++++ 0.7297 0.6740	++++ 0.7569 0.6221	0.7021 0.7862	0.7201 0.7359	0.6861 0.7168	Ave		0.7130				6.4		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.2251 0.2339	++++ 0.2419 0.2216	++++ 0.2506	++++ 0.2373	++++ 0.2379	Ave		0.2355				4.2		15.0			
Isopropylbenzene	++++ 1.5818 1.1879	++++ 1.5541 ++++	1.6075 1.4736	1.5707 1.2860	1.6022 1.1401	Ave		1.4449				13.0		15.0			
Bromobenzene	++++ 0.9224 0.7325	++++ 0.9213 0.6851	0.8272 0.8698	0.7944 0.8116	0.8424 0.7286	Ave		0.8135				9.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924
SDG No.: _____
Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
n-Propylbenzene	++++ 3.9708 ++++	++++ 3.9178 ++++	3.7433 3.6746	3.8916 3.3943	3.8900 2.9760	Ave		3.6823				9.2		15.0			
2-Chlorotoluene	++++ 2.4607 1.8729	++++ 2.4336 ++++	2.5742 2.3624	2.6016 2.1853	2.4088 1.9872	Ave		2.3208				10.9		15.0			
4-Chlorotoluene	++++ 2.6579 1.9462	++++ 2.5649 ++++	2.6256 2.4810	2.6757 2.3501	2.4275 2.1233	Ave		2.4280				10.4		15.0			
1,3,5-Trimethylbenzene	++++ 2.6601 2.0387	++++ 2.6671 ++++	2.5999 2.5832	2.5847 2.4217	2.6356 2.2189	Ave		2.4900				8.9		15.0			
tert-Butylbenzene	++++ 2.1983 1.7500	++++ 2.2061 ++++	2.2296 2.1463	2.0786 1.9718	2.2071 1.8302	Ave		2.0687				8.6		15.0			
1,2,4-Trimethylbenzene	++++ 2.8046 2.1115	++++ 2.7921 ++++	2.6076 2.6350	2.8652 2.5217	2.7188 2.2803	Ave		2.5930				9.7		15.0			
sec-Butylbenzene	++++ 3.4870 ++++	++++ 3.4620 ++++	3.5520 3.2811	3.5809 3.0486	3.4337 2.7408	Ave		3.3233				8.8		15.0			
1,3-Dichlorobenzene	++++ 1.6202 1.2575	++++ 1.6039 ++++	1.5320 1.5106	1.5256 1.4134	1.6312 1.2898	Ave		1.4871				9.3		15.0			
1,4-Dichlorobenzene	++++ 1.6230 1.2447	++++ 1.6519 ++++	1.6783 1.5366	1.6891 1.3941	1.6808 1.2854	Ave		1.5316				11.6		15.0			
p-Isopropyltoluene	++++ 2.8058 2.1002	++++ 2.8237 ++++	2.6282 2.6411	2.9106 2.4843	2.7676 2.2805	Ave		2.6047				10.4		15.0			
1,2-Dichlorobenzene	++++ 1.6817 1.2179	++++ 1.5936 ++++	1.4754 1.5097	1.6534 1.4012	1.5730 1.2686	Ave		1.4861				11.0		15.0			
n-Butylbenzene	++++ 3.0374 ++++	++++ 2.9400 ++++	2.9411 2.7560	2.8787 2.6099	3.0403 2.3305	Ave		2.8167				8.7		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1564 0.2270	++++ 0.1851 0.2171	++++ 0.2119	0.1050 0.2205	0.1276 0.2297	Lin2	-0.126	0.2131							0.9910		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
	LVL 11	LVL 12															
1,2,4-Trichlorobenzene	+++++ 1.3353 +++++	+++++ 1.3177 +++++	1.1856 1.1830	1.2263 1.0717	1.2887 0.9827	Ave		1.1989				10.2		15.0			
Naphthalene	+++++ 2.7989 +++++	+++++ 2.7355 +++++	2.4983 2.5925	2.5642 2.2627	2.7450 2.0316	Ave		2.5286				10.4		15.0			
Hexachlorobutadiene	+++++ 0.9038 0.7196	+++++ 0.9078 +++++	0.9440 0.8802	0.8901 0.8318	0.8674 0.7816	Ave		0.8585				8.2		15.0			
1,2,3-Trichlorobenzene	+++++ 1.2326 +++++	+++++ 1.2485 +++++	1.2519 1.1424	1.1706 1.0086	1.2080 +++++	Ave		1.1804				7.3		15.0			
Dibromofluoromethane (Surr)	0.2776	0.2992	0.3065	0.3004	0.3030	Ave		0.2973				3.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3126	0.3994	0.4014	0.3807	0.4609	Ave		0.3910				13.6		15.0			
Toluene-d8 (Surr)	1.1540	1.2482	1.1697	1.0453	0.9063	Ave		1.1047				12.0		15.0			
4-Bromofluorobenzene (Surr)	0.9563	1.0916	1.0401	1.0028	0.9176	Ave		1.0017				6.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321924/4	GED02013.D
Level 2	STD035 440-321924/5	GED02014.D
Level 3	STD05 440-321924/6	GED02015.D
Level 4	STD1 440-321924/7	GED02016.D
Level 5	STD2 440-321924/8	GED02017.D
Level 6	STD5 440-321924/9	GED02018.D
Level 7	STD10 440-321924/10	GED02019.D
Level 8	ICIS 440-321924/11	GED02020.D
Level 9	STD50 440-321924/12	GED02021.D
Level 10	STD100 440-321924/13	GED02022.D
Level 11	STD200 440-321924/14	GED02023.D
Level 12	STD300 440-321924/15	GED02024.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Dichlorodifluoromethane	FB	Ave	+++++ 95096 3677751	+++++ 192540 5257574	8911 489325	16540 906317	29396 1857948	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloromethane	FB	Ave	+++++ 73774 2969280	+++++ 145046 4401496	5983 366457	13422 709225	26846 1435575	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Vinyl chloride	FB	Ave	+++++ 58574 2384896	4262 114036 3266305	5262 269766	10552 574903	20458 1130788	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,3-Butadiene	FB	Ave	+++++ 50542 1973280	+++++ 94209 2748483	+++++ 231147	8536 502426	16482 938256	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
Bromomethane	FB	Lin1	+++++ 38496 1894991	+++++ 84434 2740139	3229 210787	7182 441393	14040 884542	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroethane	FB	Lin1	+++++ 27917 1306397	+++++ 59678 1916097	2232 147865	5071 309376	10848 623603	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethanol	TBA	Ave	+++++ 41134 1498276	+++++ 75762 2404473	+++++ 199707	+++++ 356019	15534 770547	+++++ 250 10000	+++++ 500 15000	+++++ 1250	+++++ 2500	100 5000
Dichlorofluoromethane	FB	Ave	+++++ 110981 4660359	+++++ 233926 6632997	11659 558633	21910 1152183	42483 2295409	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Acrolein	FB	Lin1	++++ 5527 298077	++++ 12134 474095	++++ 30032	++++ 67513	2722 149751	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Acetonitrile	FB	Ave	++++ 57398 2096525	++++ 109561 3324944	++++ 271132	11828 514484	29741 1099246	++++ 50.0 2000	++++ 100 3000	++++ 250	10.0 500	20.0 1000
Trichlorofluoromethane	FB	Ave	++++ 121037 4920939	++++ 244790 7087099	10910 612614	22217 1234492	46066 2465017	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Acetone	FB	Ave	++++ 16644 643765	++++ 28498 1037682	++++ 75011	++++ 159367	++++ 366349	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Diethyl ether	FB	Ave	++++ 48226 1620765	++++ 100010 2851670	++++ 235540	9711 449886	19403 859919	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1-Dichloroethene	FB	Ave	++++ 74964 2265793	++++ 134854 3447825	6837 369376	14413 663848	28441 1216305	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Iodomethane	FB	Ave	++++ 144228 4268667	++++ 289107 6278380	13142 709636	28293 1286376	57324 2313363	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
tert-Butyl alcohol (TBA)	TBA	Ave	++++ 111500 3898260	++++ 212692 6053037	++++ 560376	23442 1025766	45283 2141047	++++ 50.0 2000	++++ 100 3000	++++ 250	10.0 500	20.0 1000
Acrylonitrile	FB	Ave	10018 276203 ++++	19385 535442 ++++	29569 1313644	56590 2286682	113533 4111176	2.00 50.0 ++++	3.50 100 ++++	5.00 250	10.0 500	20.0 1000
Methylene Chloride	FB	Ave	++++ 91414 2533862	++++ 167298 3725760	++++ 417473	22358 746336	37512 1382886	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 77913 2505348	++++ 157741 3583156	7878 392146	16582 714729	32750 1319874	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Allyl chloride	FB	Ave	++++ 120240 3228110	++++ 236734 ++++	10796 577509	21701 1019833	51489 1792743	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Carbon disulfide	FB	Ave	++++ 261426 8634321	++++ 533517 12528521	21287 1348259	47033 2498455	96056 4690224	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	FB	Ave	+++++ 77115 2376870	+++++ 150909 3485257	6218 366079	14391 686397	27867 1275936	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Methyl-t-Butyl Ether (MTBE)	FB	Ave	+++++ 191294 7169576	+++++ 364027 10685254	17696 1006099	39835 1902602	76680 3749922	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloroethane	FB	Ave	+++++ 146740 4597363	+++++ 290931 6651570	12031 728120	28851 1336761	59941 2498224	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Propionitrile	FB	Ave	+++++ 109099 3241928	+++++ 218090 4911568	+++++ 557434	+++++ 940584	40655 1807874	+++++ 50.0 2000	+++++ 100 3000	+++++ 250	+++++ 500	20.0 1000
Vinyl acetate	FB	Ave	+++++ 117134 5177579	+++++ 236887 7672115	+++++ 597549	+++++ 1449051	56167 2817754	+++++ 4.00 200	+++++ 8.00 300	+++++ 20.0	+++++ 50.0	2.00 100
Hexane	FB	Ave	+++++ 114066 3322323	+++++ 215000 4879454	+++++ 539630	20769 983331	46153 1799924	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
2-Butanone (MEK)	FB	Ave	+++++ 6203 265694	+++++ 12875 433869	+++++ 36120	+++++ 70212	+++++ 137869	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	+++++ 100
Isopropyl Ether (DIPE)	FB	Ave	+++++ 246671 6975349	+++++ 509544 9994779	21362 1251776	45863 2153053	97149 3850921	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
cis-1,2-Dichloroethene	FB	Ave	+++++ 83232 2472927	+++++ 166251 3694853	6901 403490	15780 733436	34541 1337562	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromochloromethane	FB	Ave	+++++ 38535 1221913	+++++ 80465 1832050	3097 192857	5931 355012	14748 647188	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroform	FB	Ave	+++++ 146097 4907103	+++++ 290998 6976528	13465 720433	29552 1366745	60742 2606214	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2,2-Dichloropropane	FB	Ave	+++++ 67739 2268427	+++++ 140071 2945875	+++++ 343002	13249 662235	26523 1261517	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
Ethyl-t-butyl ether (ETBE)	FB	Ave	+++++ 235007 7254298	+++++ 472589 10321133	19520 1149490	45090 2060151	90227 3752893	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Isobutyl alcohol	TBA	Ave	++++ 114236 3389278	++++ 218478 5368997	10669 550348	20472 958470	41701 1962243	++++ 125 5000	++++ 250 7500	12.5 625	25.0 1250	50.0 2500
Tetrahydrofuran	FB	Lin2	++++ 57488 1590507	++++ 107535 2451133	++++ 264650	++++ 451305	29510 865585	++++ 10.0 400	++++ 20.0 600	++++ 50.0	++++ 100	4.00 200
1,2-Dichloroethane	FB	Ave	++++ 122637 4450433	++++ 233665 6311253	11847 593709	21092 1144764	49321 2280659	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,1-Trichloroethane	FB	Ave	++++ 110675 4638901	++++ 220753 6524396	10444 572816	20598 1163970	41460 2373823	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloropropene	FB	Ave	++++ 102293 3369552	++++ 204089 4868371	10155 501147	20755 952717	41513 1786820	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Cyclohexane	FB	Ave	++++ 129939 3743110	++++ 259483 5316182	12744 616638	27723 1115274	51052 1999802	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Carbon tetrachloride	FB	Lin2	++++ 99573 4280584	++++ 199809 6017622	7784 527213	18714 1095429	34252 2236502	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Benzene	FB	Ave	++++ 291440 7348934	++++ 559059 ++++	27857 1332368	57594 2347773	117891 4109805	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tert-amyl-methyl ether (TAME)	FB	Lin2	++++ 205315 6229842	++++ 397369 9152757	32839 997603	51942 1752883	91030 3320764	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Dibromomethane	FB	Ave	++++ 50923 1586008	++++ 97896 2309862	4411 246662	10082 446109	19828 839090	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Heptane	FB	Ave	++++ 124973 ++++	++++ 236107 ++++	++++ 552807	25562 950016	52278 1655099	++++ 5.00 ++++	++++ 10.0 ++++	++++ 25.0	1.00 50.0	2.00 100
1,2-Dichloropropane	FB	Ave	++++ 75194 2022709	++++ 145384 3010616	6561 351560	14549 630533	29147 1101235	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Trichloroethene	FB	Ave	++++ 73666 2119028	++++ 142682 3147355	7499 345874	14732 624954	30464 1132147	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Bromodichloromethane	FB	Ave	+++++ 103303 3942326	+++++ 207096 5549808	8187 548334	17922 1060640	37236 2080710	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Chloroethyl vinyl ether	CBZ	Ave	+++++ 44609 1380418	+++++ 91214 2093620	+++++ 227012	+++++ 397273	15030 721839	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	2.00 100
cis-1,3-Dichloropropene	CBZ	Ave	+++++ 116796 3834220	+++++ 237965 5571428	8952 590654	20364 1095897	45709 2044273	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 70345 2552837	+++++ 140808 3852526	+++++ 347207	+++++ 710544	29209 1353170	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	2.00 100
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 105048 3878098	+++++ 213951 5606612	6447 547639	18065 1070424	37510 2053330	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,2-Trichloroethane	CBZ	Ave	+++++ 56069 1693405	+++++ 112413 +++++	4580 270494	10117 480508	21854 874027	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Toluene	CBZ	Ave	+++++ 285344 +++++	+++++ 537557 +++++	27116 1286639	58130 2256787	112261 +++++	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 +++++
1,3-Dichloropropane	CBZ	Ave	+++++ 102512 3251325	+++++ 206998 +++++	9076 509406	20646 946597	41194 1697807	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Ethyl methacrylate	CBZ	Ave	+++++ 83454 2772102	+++++ 163209 4231632	5307 423130	12538 785905	30107 1461064	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Hexanone	CBZ	Ave	+++++ 42715 1948978	+++++ 84246 2966045	+++++ 224199	+++++ 515294	20514 1018066	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	2.00 100
Dibromochloromethane	CBZ	Ave	+++++ 67376 2975757	+++++ 146111 4381058	4958 401028	11367 777542	23961 1536735	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromoethane (EDB)	CBZ	Ave	+++++ 70638 2356411	+++++ 145650 3513938	6408 353582	12186 667779	27408 1242056	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Tetrachloroethene	CBZ	Ave	+++++ 62039 1858530	+++++ 121881 +++++	5950 286778	11195 522132	25780 961514	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 62829 2432061	+++++ 135625 3554449	4768 347442	12347 665714	24330 1267574	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chlorobenzene	CBZ	Ave	+++++ 195807 +++++	+++++ 376643 +++++	18765 889352	38379 1550435	78468 2747169	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Ethylbenzene	CBZ	Ave	+++++ 321806 +++++	+++++ 630194 +++++	34278 1490526	66252 2681469	135202 +++++	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 +++++
m,p-Xylene	CBZ	Ave	+++++ 125836 3808196	+++++ 242635 +++++	13173 590570	24424 1057976	50506 1936784	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Bromoform	CBZ	Lin1	+++++ 43251 2274391	+++++ 97688 3358808	2442 286909	6571 556070	15097 1133344	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Styrene	CBZ	Ave	+++++ 193316 5823469	+++++ 388290 +++++	16902 927880	38971 1663116	79947 3032839	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 84637 2470938	+++++ 170720 +++++	8321 402516	17450 687482	35607 1283697	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
o-Xylene	CBZ	Ave	+++++ 121433 3623838	+++++ 8941 243753 +++++	12040 568635	24182 991165	52491 1823083	+++++ 5.00 200	+++++ 0.350 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,2,3-Trichloropropane	DCB	Ave	+++++ 69444 2537189	+++++ 142533 3651249	6685 375788	14028 686090	26903 1367821	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 21418 880701	+++++ 45559 1300755	+++++ 119796	+++++ 221201	+++++ 454026	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	+++++ 50.0	+++++ 100
Isopropylbenzene	CBZ	Ave	+++++ 303187 8498727	+++++ 594230 +++++	29122 1398883	58986 2506333	123874 4567632	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
Bromobenzene	DCB	Ave	+++++ 87777 2757458	+++++ 173496 4020818	7876 415737	15475 756707	33030 1390411	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Propylbenzene	DCB	Ave	+++++ 377875 +++++	+++++ 737808 +++++	35640 1756402	75809 3164691	152527 5678997	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	DCB	Ave	+++++ 234174 7050725	+++++ 458299 +++++	24509 1129181	50679 2037504	94449 3792101	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
4-Chlorotoluene	DCB	Ave	+++++ 252933 7326707	+++++ 483015 +++++	24998 1185885	52122 2191104	95185 4051928	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 253151 7674798	+++++ 502269 +++++	24753 1234708	50350 2257925	103342 4234334	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
tert-Butylbenzene	DCB	Ave	+++++ 209202 6587950	+++++ 415459 +++++	21228 1025878	40490 1838412	86542 3492530	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 266896 7949005	+++++ 525803 +++++	24827 1259462	55814 2351125	106607 4351524	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
sec-Butylbenzene	DCB	Ave	+++++ 331841 +++++	+++++ 651971 +++++	33818 1568307	69755 2842370	134637 5230294	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichlorobenzene	DCB	Ave	+++++ 154181 4733940	+++++ 302042 +++++	14586 722046	29718 1317777	63961 2461215	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,4-Dichlorobenzene	DCB	Ave	+++++ 154455 4685819	+++++ 311096 +++++	15979 734489	32904 1299762	65905 2452928	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
p-Isopropyltoluene	DCB	Ave	+++++ 267016 7906348	+++++ 531767 +++++	25023 1262396	56698 2316216	108518 4351835	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichlorobenzene	DCB	Ave	+++++ 160040 4584967	+++++ 300106 +++++	14047 721602	32208 1306421	61679 2420790	+++++ 5.00 200	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
n-Butylbenzene	DCB	Ave	+++++ 289054 +++++	+++++ 553656 +++++	28002 1317303	56077 2433332	119211 4447215	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromo-3-Chloropropane	DCB	Lin2	+++++ 14888 854663	+++++ 34865 1274296	+++++ 101271	2046 205609	5002 438265	+++++ 5.00 200	+++++ 10.0 300	+++++ 25.0	1.00 50.0	2.00 100
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 127072 +++++	+++++ 248144 +++++	11288 565445	23889 999216	50531 1875338	+++++ 5.00 +++++	+++++ 10.0 +++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321924

SDG No.: _____

Instrument ID: GCMS56 GC Column: DB-VRX B ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/02/2016 16:25 Calibration End Date: 04/02/2016 21:51 Calibration ID: 13954

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Naphthalene	DCB	Ave	+++++	+++++	23786	49951	107632	+++++	+++++	0.500	1.00	2.00
			266356	515148	1239169	2109640	3876884	5.00	10.0	25.0	50.0	100
			+++++	+++++				+++++	+++++			
Hexachlorobutadiene	DCB	Ave	+++++	+++++	8988	17339	34012	+++++	+++++	0.500	1.00	2.00
			86011	170961	420715	775499	1491427	5.00	10.0	25.0	50.0	100
			2709076	+++++				200	+++++			
1,2,3-Trichlorobenzene	DCB	Ave	+++++	+++++	11919	22804	47366	+++++	+++++	0.500	1.00	2.00
			117304	235111	546039	940387	+++++	5.00	10.0	25.0	50.0	+++++
			+++++	+++++				+++++	+++++			
Dibromofluoromethane (Surr)	FB	Ave										
			72727	153333	390484	745815	1405558	5.00	10.0	25.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave										
			81887	204671	511469	945288	2138008	5.00	10.0	25.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave										
			221183	477256	1110417	2037156	3630869	5.00	10.0	25.0	50.0	100
4-Bromofluorobenzene (Surr)	DCB	Ave										
			91010	205578	497144	934939	1751081	5.00	10.0	25.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321171/4	XEC30011.D
Level 2	STD035 440-321171/5	XEC30012.D
Level 3	STD05 440-321171/6	XEC30013.D
Level 4	STD1 440-321171/7	XEC30014.D
Level 5	STD2 440-321171/8	XEC30015.D
Level 6	STD5 440-321171/9	XEC30016.D
Level 7	STD10 440-321171/10	XEC30017.D
Level 8	ICIS 440-321171/11	XEC30018.D
Level 9	STD50 440-321171/12	XEC30019.D
Level 10	STD100 440-321171/13	XEC30020.D
Level 11	STD200 440-321171/14	XEC30021.D
Level 12	STD300 440-321171/15	XEC30022.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorodifluoromethane	+++++ 0.6160 0.5844	+++++ 0.6751 0.5221	0.5678 0.6429	0.5338 0.5671	0.5920 0.5769	Ave		0.5878				8.0		15.0			
Chloromethane	+++++ 0.4529 0.4195	+++++ 0.4428 0.3517	0.3996 0.4592	0.4286 0.4018	0.4105 0.4131	Ave		0.4180			0.1000	7.4		15.0			
Vinyl chloride	+++++ 0.4661 0.4532	0.4226 0.4982 0.3892	0.4188 0.4961	0.4546 0.4369	0.4715 0.4507	Ave		0.4507				7.3		30.0			
1,3-Butadiene	+++++ 0.3867 0.3937	+++++ 0.4107 0.3252	0.3778 0.4261	0.3849 0.3855	0.3913 0.3874	Ave		0.3869				6.7		15.0			
Bromomethane	+++++ 0.2436 0.2454	+++++ 0.2503 0.2222	0.2283 0.2541	0.2061 0.2343	0.2148 0.2402	Ave		0.2339				6.8		15.0			
Chloroethane	+++++ 0.2345 0.2299	+++++ 0.2363 0.2048	0.2045 0.2408	0.1950 0.2218	0.2328 0.2235	Ave		0.2224				7.1		15.0			
Ethanol	+++++ 0.0995 0.1044	+++++ 0.0994 0.0951	+++++ 0.1099	+++++ 0.0932	0.1112 0.1001	Ave		0.1016				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Dichlorofluoromethane	+++++ 0.6821 0.6366	+++++ 0.7035 0.5499	0.7142 0.6965	0.6713 0.6333	0.6707 0.6434	Ave		0.6602				7.2		15.0			
Acrolein	+++++ 0.0274 0.0367	+++++ 0.0310 0.0333	+++++ 0.0354	+++++ 0.0352	0.0230 0.0361	Ave		0.0323				15.0		15.0			
Trichlorofluoromethane	+++++ 0.7557 0.7259	+++++ 0.7825 0.6486	0.6649 0.7742	0.7538 0.6974	0.7679 0.7236	Ave		0.7295				6.4		15.0			
Acetonitrile	+++++ 0.0314 0.0348	+++++ 0.0353 0.0323	+++++ 0.0388	+++++ 0.0334	0.0408 0.0371	Ave		0.0355				9.1		15.0			
Acetone	+++++ 0.0748 0.1081	+++++ 0.0831 0.0978	+++++ 0.0945	+++++ 0.1105	+++++ 0.1154	Lin2	-0.180	0.1075							0.9940		0.9900
Diethyl ether	+++++ 0.2049 0.2129	+++++ 0.2143 0.1984	+++++ 0.2186	0.1986 0.2080	0.1863 0.2176	Ave		0.2066				5.2		15.0			
1,1-Dichloroethene	+++++ 0.2523 0.2772	+++++ 0.2814 0.2569	0.2589 0.2716	0.2711 0.2592	0.2600 0.2649	Ave		0.2654				3.6		30.0			
Iodomethane	+++++ 0.4660 0.4514	+++++ 0.4699 0.4104	0.4506 0.4824	0.4653 0.4416	0.4490 0.4483	Ave		0.4535				4.3		15.0			
tert-Butyl alcohol (TBA)	+++++ 1.0171 1.2007	+++++ 1.1453 1.1096	1.0859 1.1991	1.1512 1.1610	1.1864 1.1949	Ave		1.1451				5.2		15.0			
Acrylonitrile	0.0649 0.0983 0.0926	0.0879 0.1130 +++++	0.0940 0.1121	0.1090 0.1081	0.1175 0.1052	Ave		0.1002				15.0		15.0			
Methylene Chloride	+++++ 0.2443 0.2387	+++++ 0.2521 0.2448	+++++ 0.2692	0.2740 0.2523	0.2441 0.2564	Ave		0.2529				4.7		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3388 0.3623	+++++ 0.3813 0.3284	0.3537 0.3676	0.3449 0.3395	0.3458 0.3475	Ave		0.3510				4.5		15.0			
Allyl chloride	+++++ 0.4090 0.3883	+++++ 0.4438 0.3514	+++++ 0.4288	0.3693 0.3972	0.4049 0.3891	Ave		0.3980				7.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Carbon disulfide	+++++ 0.9180 0.8568	+++++ 0.9651 0.7526	0.9160 0.9324	0.8895 0.8570	0.8405 0.8701	Ave		0.8798				6.8		15.0			
trans-1,2-Dichloroethene	+++++ 0.2563 0.2683	0.2550 0.2866 0.2501	0.2305 0.2728	0.2302 0.2550	0.2749 0.2608	Ave		0.2582				6.8		15.0			
Methyl-t-Butyl Ether (MTBE)	+++++ 0.7546 0.7502	+++++ 0.7841 0.6534	0.6902 0.8036	0.7184 0.7743	0.7761 0.8028	Ave		0.7508				6.6		15.0			
1,1-Dichloroethane	+++++ 0.5202 0.5053	+++++ 0.5442 0.4578	0.4829 0.5305	0.5145 0.4953	0.5273 0.5063	Ave		0.5084		0.1000		5.0		15.0			
Propionitrile	+++++ 0.0389 0.0440	+++++ 0.0481 0.0400	+++++ 0.0481	+++++ 0.0461	0.0492 0.0470	Ave		0.0452				8.6		15.0			
Vinyl acetate	+++++ 0.3621 0.4301	+++++ 0.3945 0.3537	+++++ 0.4075	+++++ 0.4346	0.3579 0.4082	Ave		0.3936				8.2		15.0			
Hexane	+++++ 0.4659 0.4861	+++++ 0.4937 0.4425	+++++ 0.4993	0.3949 0.4633	0.4361 0.4757	Ave		0.4619				7.1		15.0			
2-Butanone (MEK)	+++++ 0.0129 0.0370	+++++ 0.0293 0.0339	+++++ 0.0314	+++++ 0.0369	0.0175 0.0384	Lin1	-0.057	0.0360							0.9960		0.9900
Isopropyl Ether (DIPE)	+++++ 0.7606 0.7159	+++++ 0.8172 0.6365	0.7221 0.8064	0.6719 0.7289	0.7418 0.7411	Ave		0.7342				7.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.2688 0.2726	0.2321 0.2849 0.2552	0.2371 0.2774	0.2706 0.2640	0.2473 0.2680	Ave		0.2616				6.4		15.0			
Bromochloromethane	+++++ 0.1329 0.1301	+++++ 0.1367 0.1217	0.1370 0.1346	0.1301 0.1258	0.1342 0.1291	Ave		0.1312				3.7		15.0			
Chloroform	+++++ 0.5073 0.4982	+++++ 0.5392 0.4442	0.4681 0.5297	0.5029 0.5025	0.5480 0.5041	Ave		0.5044				6.2		30.0			
2,2-Dichloropropane	+++++ 0.4151 0.3659	+++++ 0.4351 0.3236	0.4011 0.4127	0.4378 0.3814	0.4340 0.3676	Ave		0.3974				9.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Ethyl-t-butyl ether (ETBE)	+++++ 0.8443 0.8108	+++++ 0.8780 0.7064	0.7997 0.9166	0.7061 0.8481	0.8586 0.8591	Ave		0.8228				8.4		15.0			
Isobutyl alcohol	+++++ 0.3264 0.4063	+++++ 0.3805 0.3721	0.2102 0.3913	0.2947 0.3728	0.3332 0.4012	Lin2	-2.223	0.3834							0.9970		0.9900
Tetrahydrofuran	+++++ 0.0829 0.0894	+++++ 0.0988 0.0832	+++++ 0.0951	+++++ 0.0936	0.1021 0.0965	Ave		0.0927				7.5		15.0			
1,2-Dichloroethane	+++++ 0.4567 0.4196	0.4178 0.4574 0.3666	0.4589 0.4609	0.4483 0.4312	0.4665 0.4393	Ave		0.4385				6.7		15.0			
1,1,1-Trichloroethane	+++++ 0.5822 0.5661	+++++ 0.5934 0.4963	0.5514 0.5940	0.5242 0.5556	0.5723 0.5657	Ave		0.5601				5.5		15.0			
1,1-Dichloropropene	+++++ 0.3733 0.4067	+++++ 0.4020 0.3725	0.3582 0.4105	0.3622 0.3896	0.3761 0.4028	Ave		0.3854				5.0		15.0			
Cyclohexane	+++++ 0.5360 0.5469	+++++ 0.5566 0.4996	+++++ 0.5567	0.5188 0.5239	0.5587 0.5408	Ave		0.5376				3.8		15.0			
Carbon tetrachloride	+++++ 0.5332 0.5433	+++++ 0.5738 0.4732	0.5034 0.5774	0.5463 0.5400	0.5665 0.5479	Ave		0.5405				5.9		15.0			
Benzene	+++++ 0.9745 0.8667	+++++ 1.0046 +++++	0.9637 0.9990	1.0222 0.9181	0.9546 0.9303	Ave		0.9593				5.1		15.0			
Tert-amyl-methyl ether (TAME)	+++++ 0.7395 0.6677	+++++ 0.7322 +++++	1.4649 0.7362	1.0257 0.6863	0.8838 0.7038	Lin2	0.3805	0.6851							0.9980		0.9900
Dibromomethane	+++++ 0.1550 0.1612	+++++ 0.1626 0.1510	0.1355 0.1601	0.1674 0.1580	0.1545 0.1610	Ave		0.1566				5.6		15.0			
n-Heptane	+++++ 0.4171 0.4361	+++++ 0.4561 0.3905	0.4076 0.4689	0.4173 0.4342	0.4396 0.4416	Ave		0.4309				5.4		15.0			
1,2-Dichloropropane	+++++ 0.2425 0.2499	+++++ 0.2524 0.2337	0.2563 0.2497	0.2310 0.2394	0.2702 0.2465	Ave		0.2472				4.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Trichloroethene	+++++ 0.2946 0.2995	+++++ 0.3125 0.2775	0.3206 0.3089	0.2943 0.2877	0.3289 0.3024	Ave		0.3027				5.1		15.0			
Bromodichloromethane	+++++ 0.3997 0.3975	+++++ 0.4025 0.3512	0.3921 0.4036	0.3759 0.3861	0.3813 0.4002	Ave		0.3890				4.2		15.0			
2-Chloroethyl vinyl ether	+++++ 0.1413 0.1586	+++++ 0.1567 0.1415	+++++ 0.1607	+++++ 0.1595	0.1375 0.1754	Ave		0.1539				8.3		15.0			
cis-1,3-Dichloropropene	+++++ 0.4966 0.4545	+++++ 0.5181 +++++	0.4275 0.5085	0.4671 0.4766	0.4881 0.5098	Ave		0.4830				6.1		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.2690 0.3122	+++++ 0.3019 0.2623	+++++ 0.3226	+++++ 0.3378	0.3369 0.3650	Ave		0.3134				11.2		15.0			
trans-1,3-Dichloropropene	+++++ 0.4868 0.4532	+++++ 0.5005 +++++	0.4091 0.4978	0.4509 0.4709	0.4698 0.5059	Ave		0.4717				6.5		15.0			
1,1,2-Trichloroethane	+++++ 0.2195 0.1994	+++++ 0.2167 0.1703	0.1839 0.2144	0.2128 0.1980	0.2357 0.2180	Ave		0.2069				9.3		15.0			
Toluene	+++++ 1.4294 +++++	+++++ 1.4802 +++++	1.3182 1.4112	1.2958 1.2485	1.4908 1.2795	Ave		1.3692				6.9		30.0			
1,3-Dichloropropane	+++++ 0.4455 0.4067	+++++ 0.4880 +++++	0.3846 0.4472	0.4799 0.4294	0.5027 0.4582	Ave		0.4491				8.5		15.0			
Ethyl methacrylate	+++++ 0.3024 0.3551	+++++ 0.3593 0.2999	+++++ 0.3821	+++++ 0.3641	0.3161 0.3992	Ave		0.3473				10.7		15.0			
2-Hexanone	+++++ 0.1697 0.2543	+++++ 0.2344 +++++	+++++ 0.2480	+++++ 0.2742	0.2260 0.2992	Lin1	-0.210	0.2699							0.9930		0.9900
Dibromochloromethane	+++++ 0.3826 0.3569	+++++ 0.4005 +++++	0.3668 0.3883	0.3737 0.3645	0.4035 0.3975	Ave		0.3816				4.5		15.0			
1,2-Dibromoethane (EDB)	+++++ 0.2974 0.2754	+++++ 0.3007 +++++	0.2472 0.2996	0.3084 0.2813	0.3242 0.3045	Ave		0.2932				7.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
Tetrachloroethene	++++ 0.3177 0.2830	++++ 0.3436 ++++	0.3095 0.3256	0.2995 0.2874	0.3349 0.3057	Ave		0.3119				6.6		15.0			
1,1,1,2-Tetrachloroethane	++++ 0.3838 0.3596	++++ 0.3971 ++++	0.3738 0.3863	0.4129 0.3583	0.3925 0.3880	Ave		0.3836				4.6		15.0			
Chlorobenzene	++++ 0.9591 0.7700	++++ 1.0063 ++++	1.0189 0.9453	1.0283 0.8477	0.9891 0.8918	Ave		0.9396			0.3000	9.3		15.0			
Ethylbenzene	++++ 1.6558 ++++	++++ 1.7692 ++++	1.6325 1.7330	1.6352 1.5495	1.7002 1.5789	Ave		1.6568				4.5		30.0			
m,p-Xylene	++++ 0.6156 0.5891	++++ 0.6960 ++++	0.5311 0.6472	0.5748 0.5949	0.6376 0.6400	Ave		0.6140				7.8		15.0			
Bromoform	++++ 0.2361 0.2498	++++ 0.2565 0.2072	0.2006 0.2566	0.2704 0.2457	0.2501 0.2768	Ave		0.2450			0.1000	10.0		15.0			
Styrene	++++ 0.9522 0.8684	++++ 1.0089 ++++	0.7366 1.0218	0.7436 0.9434	0.8454 1.0018	Ave		0.9024				12.2		15.0			
1,1,2,2-Tetrachloroethane	++++ 0.6125 0.7068	++++ 0.6660 0.6281	0.5800 0.6777	0.6979 0.6994	0.6759 0.6996	Ave		0.6644			0.3000	6.5		15.0			
o-Xylene	++++ 0.6290 0.5787	0.5258 0.6690 ++++	0.5096 0.6496	0.5660 0.5908	0.5951 0.6419	Ave		0.5955				8.9		15.0			
1,2,3-Trichloropropane	++++ 0.5311 0.6203	++++ 0.5767 0.5634	0.6147 0.6092	0.6586 0.6159	0.6315 0.6268	Ave		0.6048				6.2		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.2226 0.3034	++++ 0.2498 0.2775	++++ 0.2813	++++ 0.2918	++++ 0.3034	Ave		0.2757				10.8		15.0			
Isopropylbenzene	++++ 1.7944 ++++	++++ 1.9449 ++++	1.6717 1.8513	1.5504 1.6955	1.7698 1.7419	Ave		1.7525				6.8		15.0			
Bromobenzene	++++ 0.7481 0.7848	++++ 0.7697 0.7134	0.6777 0.7611	0.6914 0.7695	0.7422 0.7717	Ave		0.7429				4.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171
SDG No.: _____
Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
n-Propylbenzene	++++ 3.4756 2.9614	++++ 3.8049 ++++	3.2312 3.8283	3.1721 3.6381	3.2393 3.4816	Ave		3.4258				8.7		15.0			
2-Chlorotoluene	++++ 2.1772 2.1136	++++ 2.3735 ++++	2.1259 2.3641	2.0504 2.2689	2.1883 2.2672	Ave		2.2143				5.1		15.0			
4-Chlorotoluene	++++ 2.3651 2.1625	++++ 2.4037 ++++	2.0461 2.4957	2.1613 2.3604	2.2023 2.3571	Ave		2.2838				6.4		15.0			
1,3,5-Trimethylbenzene	++++ 2.6960 2.4749	++++ 2.9602 ++++	2.2955 2.9446	2.3010 2.8543	2.6077 2.7776	Ave		2.6569				9.6		15.0			
tert-Butylbenzene	++++ 2.3689 2.2917	++++ 2.6003 ++++	2.0925 2.6004	2.1421 2.5088	2.1929 2.4767	Ave		2.3638				8.2		15.0			
1,2,4-Trimethylbenzene	++++ 2.8347 2.4553	++++ 3.0053 ++++	2.3148 3.0138	2.3873 2.9085	2.6113 2.7643	Ave		2.6995				9.9		15.0			
sec-Butylbenzene	++++ 3.6235 ++++	++++ 3.8827 ++++	3.1076 3.8698	3.2823 3.6686	3.4203 3.4400	Ave		3.5369				7.8		15.0			
1,3-Dichlorobenzene	++++ 1.5646 1.4375	++++ 1.5935 ++++	1.5507 1.5903	1.5760 1.5169	1.5309 1.4930	Ave		1.5393				3.3		15.0			
1,4-Dichlorobenzene	++++ 1.5607 1.4136	++++ 1.6170 ++++	1.6500 1.6111	1.6264 1.5194	1.6009 1.4922	Ave		1.5657				4.9		15.0			
p-Isopropyltoluene	++++ 3.2192 2.5985	++++ 3.4059 ++++	3.0516 3.3836	3.0200 3.1826	2.9104 3.0254	Ave		3.0886				8.1		15.0			
1,2-Dichlorobenzene	++++ 1.4546 1.3479	++++ 1.5101 ++++	1.2728 1.5072	1.5242 1.4275	1.3928 1.3980	Ave		1.4261				5.8		15.0			
n-Butylbenzene	++++ 2.7790 2.4417	++++ 3.0609 ++++	2.4064 3.0923	2.4480 2.9007	2.6448 2.7598	Ave		2.7259				9.6		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1778 0.2217	++++ 0.2012 0.1947	++++ 0.2068	0.2004 0.2115	0.2057 0.2244	Ave		0.2049				6.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6 LVL 11	LVL 7 LVL 12	LVL 8	LVL 9	LVL 10												
1,2,4-Trichlorobenzene	++++ 0.9894 0.9786	++++ 1.0201 0.8466	0.9875 1.0306	1.0402 0.9951	1.0283 0.9930	Ave		0.9909				5.6		15.0			
Naphthalene	++++ 2.1766 1.9657	++++ 2.5096 ++++	2.1974 2.5422	2.1708 2.4927	2.3442 2.3242	Ave		2.3026				8.4		15.0			
Hexachlorobutadiene	++++ 0.7809 0.7566	++++ 0.8252 0.6573	0.7047 0.8088	0.8231 0.7344	0.8232 0.7373	Ave		0.7651				7.5		15.0			
1,2,3-Trichlorobenzene	++++ 0.9614 0.9213	++++ 1.0015 0.7703	0.8950 1.0016	0.9420 0.9375	0.9490 0.9203	Ave		0.9300				7.1		15.0			
Dibromofluoromethane (Surr)	0.2586	0.2778	0.2741	0.2747	0.2810	Ave		0.2732				3.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3545	0.3663	0.3664	0.3685	0.3731	Ave		0.3658				1.9		15.0			
Toluene-d8 (Surr)	1.1494	1.2831	1.2107	1.1315	1.1497	Ave		1.1849				5.3		15.0			
4-Bromofluorobenzene (Surr)	0.9228	0.9479	0.9492	1.0013	1.0154	Ave		0.9673				4.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD02 440-321171/4	XEC30011.D
Level 2	STD035 440-321171/5	XEC30012.D
Level 3	STD05 440-321171/6	XEC30013.D
Level 4	STD1 440-321171/7	XEC30014.D
Level 5	STD2 440-321171/8	XEC30015.D
Level 6	STD5 440-321171/9	XEC30016.D
Level 7	STD10 440-321171/10	XEC30017.D
Level 8	ICIS 440-321171/11	XEC30018.D
Level 9	STD50 440-321171/12	XEC30019.D
Level 10	STD100 440-321171/13	XEC30020.D
Level 11	STD200 440-321171/14	XEC30021.D
Level 12	STD300 440-321171/15	XEC30022.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Dichlorodifluoromethane	FB	Ave	+++++ 161445 6732235	+++++ 345160 10442689	14348 843955	27012 1542942	60821 3306356	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloromethane	FB	Ave	+++++ 118692 4833365	+++++ 226411 7035156	10098 602854	21688 1093229	42167 2367932	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Vinyl chloride	FB	Ave	+++++ 122156 5220965	6952 254709 7785377	10584 651233	23003 1188645	48439 2583288	+++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,3-Butadiene	FB	Ave	+++++ 101353 4535523	+++++ 210004 6505381	9548 559302	19475 1048980	40195 2220407	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromomethane	FB	Ave	+++++ 63851 2826919	+++++ 127958 4443585	5769 333575	10427 637449	22062 1376598	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroethane	FB	Ave	+++++ 61467 2649104	+++++ 120819 4097343	5167 316156	9870 603456	23917 1281092	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethanol	TBA	Ave	+++++ 55276 2857417	+++++ 117659 4335732	+++++ 360536	+++++ 667790	34067 1533330	+++++ 250 10000	+++++ 500 15000	+++++ 1250	+++++ 2500	100 5000
Dichlorofluoromethane	FB	Ave	+++++ 178760 7334394	+++++ 359706 10999918	18047 914375	33968 1723093	68900 3687779	+++++ 5.00 200	+++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Acrolein	FB	Ave	++++ 7182 423012	++++ 15835 666065	++++ 46457	++++ 95773	2364 206833	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Trichlorofluoromethane	FB	Ave	++++ 198040 8362813	++++ 400080 12973506	16802 1016367	38146 1897510	78891 4147452	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Acetonitrile	FB	Ave	++++ 82349 4014750	++++ 180357 6451838	++++ 508951	++++ 908394	41910 2124301	++++ 50.0 2000	++++ 100 3000	++++ 250	++++ 500	20.0 1000
Acetone	FB	Lin2	++++ 19605 1245804	++++ 42472 1956978	++++ 124114	++++ 300705	++++ 661673	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Diethyl ether	FB	Ave	++++ 53688 2453122	++++ 109567 3967959	++++ 287011	10048 565894	19138 1247254	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1-Dichloroethene	FB	Ave	++++ 66114 3193485	++++ 143879 5139391	6542 356524	13717 705319	26712 1518458	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Iodomethane	FB	Ave	++++ 122132 5199773	++++ 240252 8208112	11387 633217	23546 1201439	46129 2569540	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
tert-Butyl alcohol (TBA)	TBA	Ave	++++ 112951 6573883	++++ 271109 10113257	13176 787089	33923 1664318	72713 3660013	++++ 50.0 2000	++++ 100 3000	5.00 250	10.0 500	20.0 1000
Acrylonitrile	FB	Ave	6114 257539 10670966	14459 577969 ++++	23747 1471588	55158 2940940	120745 6030875	2.00 50.0 2000	3.50 100 ++++	5.00 250	10.0 500	20.0 1000
Methylene Chloride	FB	Ave	++++ 64035 2750413	++++ 128884 4897252	++++ 353409	13867 686596	25076 1469822	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 88800 4173877	++++ 194954 6569578	8938 482632	17455 923691	35521 1991830	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Allyl chloride	FB	Ave	++++ 107179 4473345	++++ 226896 7029439	++++ 562969	18689 1080718	41597 2230143	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
Carbon disulfide	FB	Ave	++++ 240586 9871164	++++ 493448 15052934	23147 1224011	45011 2331824	86350 4986715	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	FB	Ave	++++ 67167 3090896	4195 146532 5002986	5825 358070	11647 693856	28243 1495025	++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Methyl-t-Butyl Ether (MTBE)	FB	Ave	++++ 197766 8642502	++++ 400872 13069685	17441 1054885	36352 2106811	79729 4601366	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloroethane	FB	Ave	++++ 136339 5820851	++++ 278229 9156466	12203 696430	26037 1347533	54174 2901706	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Propionitrile	FB	Ave	++++ 102064 5073110	++++ 245708 7994301	++++ 631403	++++ 1253765	50560 2691553	++++ 50.0 2000	++++ 100 3000	++++ 250	++++ 500	20.0 1000
Vinyl acetate	FB	Ave	++++ 75909 4954832	++++ 161348 7074936	++++ 427951	++++ 1182377	36765 2339446	++++ 4.00 200	++++ 8.00 300	++++ 20.0	++++ 50.0	2.00 100
Hexane	FB	Ave	++++ 122113 5599960	++++ 252411 8850209	++++ 655416	19985 1260556	44803 2726412	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
2-Butanone (MEK)	FB	Lin1	++++ 3392 426107	++++ 14999 677886	++++ 41181	++++ 100517	1802 219916	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
Isopropyl Ether (DIPE)	FB	Ave	++++ 199327 8247937	++++ 417842 12730814	18247 1058610	34000 1983228	76209 4247836	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
cis-1,2-Dichloroethene	FB	Ave	++++ 70436 3140753	3819 145646 5103920	5992 364118	13692 718391	25409 1536303	++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Bromochloromethane	FB	Ave	++++ 34833 1498724	++++ 69911 2434593	3462 176760	6585 342285	13788 739862	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Chloroform	FB	Ave	++++ 132960 5739024	++++ 275700 8884473	11829 695328	25450 1367133	56298 2889513	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2,2-Dichloropropane	FB	Ave	++++ 108779 4215757	++++ 222465 6472456	10137 541784	22155 1037886	44581 2107087	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Ethyl-t-butyl ether (ETBE)	FB	Ave	++++ 221281 9340394	++++ 448904 14128662	20208 1203311	35730 2307532	88201 4923713	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Isobutyl alcohol	TBA	Lin2	++++ 90625 5561714	++++ 225179 8479035	6375 642175	21711 1336175	51049 3071987	++++ 125 5000	++++ 250 7500	12.5 625	25.0 1250	50.0 2500
Tetrahydrofuran	FB	Ave	++++ 43463 2060938	++++ 101003 3327425	++++ 249690	++++ 509535	20971 1105921	++++ 10.0 400	++++ 20.0 600	++++ 50.0	++++ 100	4.00 200
1,2-Dichloroethane	FB	Ave	++++ 119701 4833956	6874 233856 7332392	11597 605078	22686 1173148	47928 2517572	++++ 5.00 200	0.350 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1,1-Trichloroethane	FB	Ave	++++ 152587 6522024	++++ 303407 9927563	13935 779786	26525 1511713	58790 3242055	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,1-Dichloropropene	FB	Ave	++++ 97826 4685656	++++ 205542 7450186	9051 538888	18326 1060005	38634 2308604	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Cyclohexane	FB	Ave	++++ 140466 6300323	++++ 284572 9992995	++++ 730796	26252 1425531	57398 3099822	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
Carbon tetrachloride	FB	Ave	++++ 139726 6258733	++++ 293372 9464104	12722 758007	27646 1469239	58194 3140327	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Benzene	FB	Ave	++++ 255394 9984724	++++ 513616 ++++	24352 1311420	51725 2498041	98071 5332182	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tert-amyl-methyl ether (TAME)	FB	Lin2	++++ 193798 7692468	++++ 374334 ++++	37019 966414	51903 1867491	90792 4033725	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Dibromomethane	FB	Ave	++++ 40628 1856987	++++ 83134 3020341	3424 210115	8469 429818	15868 923050	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Heptane	FB	Ave	++++ 109310 5024142	++++ 233194 7810179	10300 615512	21117 1181503	45163 2531293	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichloropropane	FB	Ave	++++ 63557 2879028	++++ 129029 4673996	6476 327785	11691 651449	27757 1412926	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Trichloroethene	FB	Ave	++++ 77214 3450850	++++ 159778 5550375	8101 405451	14891 782859	33786 1733341	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Bromodichloromethane	FB	Ave	++++ 104758 4579016	++++ 205783 7024796	9908 529764	19020 1050642	39170 2293651	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
2-Chloroethyl vinyl ether	CBZ	Ave	++++ 27959 1622656	++++ 60657 2788642	++++ 166472	++++ 358877	10640 813471	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
cis-1,3-Dichloropropene	CBZ	Ave	++++ 98296 4650458	++++ 200511 ++++	8238 526728	17894 1072487	37759 2364158	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 53239 3194152	++++ 116841 5169952	++++ 334146	++++ 760047	26059 1692517	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
trans-1,3-Dichloropropene	CBZ	Ave	++++ 96354 4636808	++++ 193682 ++++	7884 515629	17272 1059770	36341 2346146	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2-Trichloroethane	CBZ	Ave	++++ 43451 2040548	++++ 83869 3356254	3544 222092	8152 445588	18235 1010790	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Toluene	CBZ	Ave	++++ 282913 ++++	++++ 572808 ++++	25403 1461747	49639 2809610	115322 5933660	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichloropropane	CBZ	Ave	++++ 88180 4161412	++++ 188863 ++++	7411 463172	18385 966195	38885 2125106	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Ethyl methacrylate	CBZ	Ave	++++ 59861 3633608	++++ 139051 5912127	++++ 395824	++++ 819255	24451 1851125	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	2.00 100
2-Hexanone	CBZ	Lin1	++++ 33583 2601590	++++ 90716 ++++	++++ 256899	++++ 617095	17482 1387599	++++ 5.00 200	++++ 10.0 ++++	++++ 25.0	++++ 50.0	2.00 100
Dibromochloromethane	CBZ	Ave	++++ 75716 3651529	++++ 154979 ++++	7068 402206	14316 820276	31217 1843301	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromoethane (EDB)	CBZ	Ave	++++ 58856 2817940	++++ 116350 ++++	4763 310377	11815 632943	25077 1412077	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Tetrachloroethene	CBZ	Ave	++++ 62887 2895638	++++ 132965 ++++	5964 337219	11472 646717	25908 1417868	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 75965 3679006	++++ 153675 ++++	7204 400126	15818 806295	30359 1799564	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Chlorobenzene	CBZ	Ave	++++ 189827 7878283	++++ 389429 ++++	19634 979166	39392 1907492	76512 4135860	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Ethylbenzene	CBZ	Ave	++++ 327717 ++++	++++ 684660 ++++	31460 1795069	62639 3486934	131523 7321938	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
m,p-Xylene	CBZ	Ave	++++ 121846 6027118	++++ 269352 ++++	10234 670403	22017 1338789	49322 2968122	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Bromoform	CBZ	Ave	++++ 46727 2555396	++++ 99246 4084336	3866 265815	10359 552996	19348 1283806	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
Styrene	CBZ	Ave	++++ 188469 8884738	++++ 390429 ++++	14194 1058351	28485 2122858	65397 4645726	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 70649 3627048	++++ 150134 5670793	6269 394884	15402 837247	30910 1813726	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
o-Xylene	CBZ	Ave	++++ 124491 5920592	++++ 6443 258876 ++++	9821 672844	21683 1329491	46033 2976815	++++ 5.00 200	0.350 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2,3-Trichloropropane	DCB	Ave	++++ 61260 3183170	++++ 129987 5086407	6644 354947	14534 737310	28878 1624978	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 25678 1556864	++++ 56302 2505193	++++ 163902	++++ 349304	++++ 786477	++++ 5.00 200	++++ 10.0 300	++++ 25.0	++++ 50.0	++++ 100
Isopropylbenzene	CBZ	Ave	++++ 355153 ++++	++++ 752639 ++++	32215 1917563	59390 3815358	136906 8077908	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
Bromobenzene	DCB	Ave	++++ 86297 4027187	++++ 173489 6441538	7325 443481	15258 921216	33941 2000494	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100
n-Propylbenzene	DCB	Ave	++++ 400904 15197254	++++ 857664 ++++	34927 2230692	70004 4355349	148142 9025584	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	DCB	Ave	++++ 251141 10846384	++++ 535015 ++++	22979 1377526	45251 2716176	100076 5877276	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
4-Chlorotoluene	DCB	Ave	++++ 272805 11097659	++++ 541824 ++++	22117 1454199	47697 2825678	100716 6110345	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3,5-Trimethylbenzene	DCB	Ave	++++ 310974 12700785	++++ 667254 ++++	24813 1715786	50781 3416937	119254 7200591	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
tert-Butylbenzene	DCB	Ave	++++ 273252 11760592	++++ 586133 ++++	22618 1515243	47273 3003398	100285 6420590	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2,4-Trimethylbenzene	DCB	Ave	++++ 326978 12600058	++++ 677433 ++++	25021 1756114	52686 3481837	119422 7166067	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
sec-Butylbenzene	DCB	Ave	++++ 417958 ++++	++++ 875212 ++++	33591 2254886	72437 4391851	156418 8917693	++++ 5.00 ++++	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,3-Dichlorobenzene	DCB	Ave	++++ 180479 7376796	++++ 359201 ++++	16762 926668	34780 1815898	70011 3870294	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,4-Dichlorobenzene	DCB	Ave	++++ 180020 7254532	++++ 364499 ++++	17835 938754	35893 1818870	73211 3868366	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
p-Isopropyltoluene	DCB	Ave	++++ 371326 13335111	++++ 767722 ++++	32985 1971576	66647 3809962	133098 7842850	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dichlorobenzene	DCB	Ave	++++ 167785 6917232	++++ 340404 ++++	13758 878238	33637 1708892	63696 3623997	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
n-Butylbenzene	DCB	Ave	++++ 320554 12530081	++++ 689955 ++++	26011 1801851	54025 3472468	120951 7154450	++++ 5.00 200	++++ 10.0 ++++	0.500 25.0	1.00 50.0	2.00 100
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 20504 1137747	++++ 45364 1757913	++++ 120514	4422 253189	9409 581755	++++ 5.00 200	++++ 10.0 300	++++ 25.0	1.00 50.0	2.00 100
1,2,4-Trichlorobenzene	DCB	Ave	++++ 114126 5022109	++++ 229945 7643856	10674 600491	22956 1191324	47026 2574162	++++ 5.00 200	++++ 10.0 300	0.500 25.0	1.00 50.0	2.00 100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321171

SDG No.: _____

Instrument ID: GCMS59 GC Column: DB-VRX A ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/30/2016 14:43 Calibration End Date: 03/30/2016 19:44 Calibration ID: 13928

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
			LVL 11	LVL 12				LVL 11	LVL 12			
Naphthalene	DCB	Ave	+++++	+++++	23752	47908	107207	+++++	+++++	0.500	1.00	2.00
			251063	565704	1481303	2984050	6025230	5.00	10.0	25.0	50.0	100
			10087700	+++++				200	+++++			
Hexachlorobutadiene	DCB	Ave	+++++	+++++	7617	18164	37648	+++++	+++++	0.500	1.00	2.00
			90074	186003	471302	879177	1911379	5.00	10.0	25.0	50.0	100
			3882664	5934467				200	300			
1,2,3-Trichlorobenzene	DCB	Ave	+++++	+++++	9674	20789	43400	+++++	+++++	0.500	1.00	2.00
			110899	225759	583606	1122361	2385663	5.00	10.0	25.0	50.0	100
			4727934	6954647				200	300			
Dibromofluoromethane (Surr)	FB	Ave										
			67765	142026	359849	747374	1610679	5.00	10.0	25.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave										
			92915	187291	481028	1002532	2138699	5.00	10.0	25.0	50.0	100
Toluene-d8 (Surr)	CBZ	Ave										
			227495	496538	1254046	2546180	5331680	5.00	10.0	25.0	50.0	100
4-Bromofluorobenzene (Surr)	DCB	Ave										
			106446	213675	553090	1198667	2632302	5.00	10.0	25.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20

Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25

GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51

Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3617	0.3622		25.0	25.0	0.2	40.0
Chloromethane	Ave	0.2837	0.3079	0.1000	27.1	25.0	8.5	40.0
Vinyl chloride	Ave	0.2237	0.2657		29.7	25.0	18.8	30.0
1,3-Butadiene	Ave	0.1887	0.2115		28.0	25.0	12.1	30.0
Bromomethane	Lin1		0.1980		25.3	25.0	1.3	30.0
Chloroethane	Lin1		0.1425		26.1	25.0	4.4	30.0
Ethanol	Ave	0.0768	0.0756		1230	1250	-1.7	40.0
Dichlorofluoromethane	Ave	0.4547	0.5167		28.4	25.0	13.6	40.0
Acrolein	Lin1		0.0264		21.4	25.0	-14.5	40.0
Acetonitrile	Ave	0.0230	0.0236		257	250	2.7	40.0
Trichlorofluoromethane	Ave	0.4791	0.5323		27.8	25.0	11.1	40.0
Acetone	Ave	0.0669	0.0691		32.3	31.3	3.2	40.0
Diethyl ether	Ave	0.1872	0.1788		23.9	25.0	-4.5	30.0
1,1-Dichloroethene	Ave	0.2678	0.2677		25.0	25.0	-0.0	30.0
Iodomethane	Ave	0.5206	0.5264		25.3	25.0	1.1	40.0
tert-Butyl alcohol (TBA)	Ave	1.058	1.026		243	250	-3.0	30.0
Acrylonitrile	Ave	0.1026	0.0905		221	250	-11.8	40.0
Methylene Chloride	Ave	0.3255	0.2912		22.4	25.0	-10.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2953	0.2984		25.3	25.0	1.0	40.0
Allyl chloride	Ave	0.4272	0.4121		24.1	25.0	-3.5	40.0
Carbon disulfide	Ave	0.9608	0.9281		24.1	25.0	-3.4	40.0
trans-1,2-Dichloroethene	Ave	0.2722	0.2476		22.7	25.0	-9.0	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7543	0.8238		27.3	25.0	9.2	30.0
1,1-Dichloroethane	Ave	0.5349	0.5251	0.1000	24.5	25.0	-1.8	30.0
Propionitrile	Ave	0.0394	0.0369		235	250	-6.2	40.0
Vinyl acetate	Ave	0.5721	0.4633		20.2	25.0	-19.0	40.0
Hexane	Ave	0.4015	0.3878		24.1	25.0	-3.4	40.0
2-Butanone (MEK)	Ave	0.0281	0.0256		28.5	31.3	-8.9	40.0
Isopropyl Ether (DIPE)	Ave	0.8731	0.8744		25.0	25.0	0.2	30.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2928		24.6	25.0	-1.7	30.0
Bromochloromethane	Ave	0.1379	0.1361		24.7	25.0	-1.3	30.0
Chloroform	Ave	0.5511	0.6015		27.3	25.0	9.1	30.0
2,2-Dichloropropane	Ave	0.2562	0.2966		28.9	25.0	15.7	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8379	0.8924		26.6	25.0	6.5	30.0
Isobutyl alcohol	Ave	0.3949	0.3416		541	625	-13.5	40.0
Tetrahydrofuran	Lin2		0.0839		43.5	50.0	-13.0	40.0
1,2-Dichloroethane	Ave	0.4621	0.5076		27.5	25.0	9.8	30.0
1,1,1-Trichloroethane	Ave	0.4461	0.5264		29.5	25.0	18.0	30.0
1,1-Dichloropropene	Ave	0.3858	0.3951		25.6	25.0	2.4	30.0
Cyclohexane	Ave	0.4670	0.4366		23.4	25.0	-6.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Lin2		0.5080		29.8	25.0	19.2	40.0
Benzene	Ave	1.020	0.9551		23.4	25.0	-6.4	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7580		26.1	25.0	4.4	30.0
Dibromomethane	Ave	0.1833	0.1812		24.7	25.0	-1.1	30.0
n-Heptane	Ave	0.4406	0.3772		21.4	25.0	-14.4	30.0
1,2-Dichloropropane	Ave	0.2587	0.2520		24.4	25.0	-2.6	30.0
Trichloroethene	Ave	0.2649	0.2653		25.0	25.0	0.2	30.0
Bromodichloromethane	Ave	0.3955	0.4535		28.7	25.0	14.7	30.0
2-Chloroethyl vinyl ether	Ave	0.2064	0.2253		27.3	25.0	9.1	40.0
cis-1,3-Dichloropropene	Ave	0.5542	0.5870		26.5	25.0	5.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3563	0.3600		31.6	31.3	1.0	40.0
trans-1,3-Dichloropropene	Ave	0.5065	0.5741		28.3	25.0	13.3	30.0
1,1,2-Trichloroethane	Ave	0.2642	0.2527		23.9	25.0	-4.3	30.0
Toluene	Ave	1.415	1.264		22.3	25.0	-10.6	30.0
1,3-Dichloropropane	Ave	0.5067	0.5004		24.7	25.0	-1.2	30.0
Ethyl methacrylate	Ave	0.3823	0.4053		26.5	25.0	6.0	40.0
2-Hexanone	Ave	0.2470	0.2472		31.3	31.3	0.0	40.0
Dibromochloromethane	Ave	0.3596	0.4123		28.7	25.0	14.7	30.0
1,2-Dibromoethane (EDB)	Ave	0.3422	0.3556		26.0	25.0	3.9	30.0
Tetrachloroethene	Ave	0.2969	0.2988		25.2	25.0	0.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3718		28.7	25.0	14.7	40.0
Chlorobenzene	Ave	0.9372	0.8583	0.3000	22.9	25.0	-8.4	30.0
Ethylbenzene	Ave	1.668	1.541		23.1	25.0	-7.7	30.0
m,p-Xylene	Ave	0.6114	0.5884		24.1	25.0	-3.8	30.0
Bromoform	Lin1		0.3099	0.1000	27.2	25.0	8.6	40.0
Styrene	Ave	0.9367	0.9028		24.1	25.0	-3.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8203	0.7804	0.3000	23.8	25.0	-4.9	30.0
o-Xylene	Ave	0.5993	0.5584		23.3	25.0	-6.8	30.0
1,2,3-Trichloropropane	Ave	0.7130	0.7462		26.2	25.0	4.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2355	0.2536		26.9	25.0	7.7	40.0
Isopropylbenzene	Ave	1.445	1.494		25.8	25.0	3.4	30.0
Bromobenzene	Ave	0.8135	0.8457		26.0	25.0	4.0	30.0
n-Propylbenzene	Ave	3.682	3.660		24.8	25.0	-0.6	30.0
2-Chlorotoluene	Ave	2.321	2.388		25.7	25.0	2.9	30.0
4-Chlorotoluene	Ave	2.428	2.499		25.7	25.0	2.9	30.0
1,3,5-Trimethylbenzene	Ave	2.490	2.651		26.6	25.0	6.5	30.0
tert-Butylbenzene	Ave	2.069	2.239		27.1	25.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	2.593	2.687		25.9	25.0	3.6	30.0
sec-Butylbenzene	Ave	3.323	3.286		24.7	25.0	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.487	1.493		25.1	25.0	0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321924/18 Calibration Date: 04/02/2016 23:20
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED02027.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.532	1.535		25.0	25.0	0.2	30.0
p-Isopropyltoluene	Ave	2.605	2.739		26.3	25.0	5.1	30.0
1,2-Dichlorobenzene	Ave	1.486	1.478		24.9	25.0	-0.6	30.0
n-Butylbenzene	Ave	2.817	2.738		24.3	25.0	-2.8	30.0
1,2-Dibromo-3-Chloropropane	Lin2		0.2273		27.3	25.0	9.0	40.0
1,2,4-Trichlorobenzene	Ave	1.199	1.203		25.1	25.0	0.3	40.0
Naphthalene	Ave	2.529	2.457		24.3	25.0	-2.8	40.0
Hexachlorobutadiene	Ave	0.8585	0.9474		27.6	25.0	10.4	40.0
1,2,3-Trichlorobenzene	Ave	1.180	1.110		23.5	25.0	-5.9	40.0
Dibromofluoromethane (Surr)	Ave	0.2973	0.3395		28.5	25.0	14.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3910	0.4974		31.8	25.0	27.2	
Toluene-d8 (Surr)	Ave	1.105	1.212		27.4	25.0	9.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.002	1.107		27.6	25.0	10.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23

Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25

GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51

Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3617	0.4865		33.6	25.0	34.5	40.0
Chloromethane	Ave	0.2837	0.3440	0.1000	30.3	25.0	21.2	40.0
Vinyl chloride	Ave	0.2237	0.3199		35.7	25.0	43.0*	20.0
1,3-Butadiene	Ave	0.1887	0.2731		36.2	25.0	44.7*	30.0
Bromomethane	Lin1		0.2217		28.3	25.0	13.2	30.0
Chloroethane	Lin1		0.1537		28.1	25.0	12.5	30.0
Ethanol	Ave	0.0768	0.0600		976	1250	-21.9	40.0
Dichlorofluoromethane	Ave	0.4547	0.5908		32.5	25.0	29.9	40.0
Acrolein	Lin1		0.0259		21.0	25.0	-15.9	40.0
Acetonitrile	Ave	0.0230	0.0235		256	250	2.3	40.0
Trichlorofluoromethane	Ave	0.4791	0.6194		32.3	25.0	29.3	40.0
Acetone	Ave	0.0669	0.0762		28.5	25.0	13.9	40.0
Diethyl ether	Ave	0.1872	0.2035		27.2	25.0	8.7	30.0
1,1-Dichloroethene	Ave	0.2678	0.2698		25.2	25.0	0.8	20.0
Iodomethane	Ave	0.5206	0.5413		26.0	25.0	4.0	40.0
tert-Butyl alcohol (TBA)	Ave	1.058	1.013		239	250	-4.3	30.0
Acrylonitrile	Ave	0.1026	0.0887		216	250	-13.5	40.0
Methylene Chloride	Ave	0.3255	0.3088		23.7	25.0	-5.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2953	0.3231		27.3	25.0	9.4	40.0
Allyl chloride	Ave	0.4272	0.4074		23.8	25.0	-4.6	40.0
Carbon disulfide	Ave	0.9608	1.001		26.1	25.0	4.2	40.0
trans-1,2-Dichloroethene	Ave	0.2722	0.2736		25.1	25.0	0.5	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7543	0.8751		29.0	25.0	16.0	30.0
1,1-Dichloroethane	Ave	0.5349	0.5787	0.1000	27.0	25.0	8.2	30.0
Propionitrile	Ave	0.0394	0.0364		231	250	-7.5	40.0
Vinyl acetate	Ave	0.5721	0.5512		19.3	20.0	-3.7	40.0
Hexane	Ave	0.4015	0.3853		24.0	25.0	-4.0	40.0
2-Butanone (MEK)	Ave	0.0281	0.0254		22.6	25.0	-9.6	40.0
Isopropyl Ether (DIPE)	Ave	0.8731	0.8771		25.1	25.0	0.5	30.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2868		24.1	25.0	-3.7	30.0
Bromochloromethane	Ave	0.1379	0.1487		27.0	25.0	7.8	30.0
Chloroform	Ave	0.5511	0.6361		28.9	25.0	15.4	20.0
2,2-Dichloropropane	Ave	0.2562	0.3418		33.3	25.0	33.4*	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8379	0.8942		26.7	25.0	6.7	30.0
Isobutyl alcohol	Ave	0.3949	0.3237		512	625	-18.0	40.0
Tetrahydrofuran	Lin2		0.0785		40.6	50.0	-18.8	40.0
1,2-Dichloroethane	Ave	0.4621	0.5682		30.7	25.0	23.0	30.0
1,1,1-Trichloroethane	Ave	0.4461	0.5767		32.3	25.0	29.3	30.0
1,1-Dichloropropene	Ave	0.3858	0.4086		26.5	25.0	5.9	30.0
Cyclohexane	Ave	0.4670	0.4256		22.8	25.0	-8.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Lin2		0.5306		31.1	25.0	24.4	40.0
Benzene	Ave	1.020	0.9428		23.1	25.0	-7.5	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7855		27.1	25.0	8.2	30.0
Dibromomethane	Ave	0.1833	0.2017		27.5	25.0	10.0	30.0
n-Heptane	Ave	0.4406	0.3896		22.1	25.0	-11.6	30.0
1,2-Dichloropropane	Ave	0.2587	0.2500		24.2	25.0	-3.3	20.0
Trichloroethene	Ave	0.2649	0.2634		24.9	25.0	-0.6	30.0
Bromodichloromethane	Ave	0.3955	0.4923		31.1	25.0	24.5	30.0
2-Chloroethyl vinyl ether	Ave	0.2064	0.1999		24.2	25.0	-3.1	40.0
cis-1,3-Dichloropropene	Ave	0.5542	0.6025		27.2	25.0	8.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3563	0.3444		24.2	25.0	-3.3	40.0
trans-1,3-Dichloropropene	Ave	0.5065	0.6192		30.6	25.0	22.3	30.0
1,1,2-Trichloroethane	Ave	0.2642	0.2580		24.4	25.0	-2.3	30.0
Toluene	Ave	1.415	1.234		21.8	25.0	-12.8	20.0
1,3-Dichloropropane	Ave	0.5067	0.5157		25.4	25.0	1.8	30.0
Ethyl methacrylate	Ave	0.3823	0.4099		26.8	25.0	7.2	40.0
2-Hexanone	Ave	0.2470	0.2237		22.6	25.0	-9.4	40.0
Dibromochloromethane	Ave	0.3596	0.4618		32.1	25.0	28.4	30.0
1,2-Dibromoethane (EDB)	Ave	0.3422	0.3670		26.8	25.0	7.3	30.0
Tetrachloroethene	Ave	0.2969	0.2938		24.7	25.0	-1.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3241	0.3808		29.4	25.0	17.5	40.0
Chlorobenzene	Ave	0.9372	0.8454	0.3000	22.6	25.0	-9.8	30.0
Ethylbenzene	Ave	1.668	1.531		22.9	25.0	-8.2	20.0
m,p-Xylene	Ave	0.6114	0.5672		23.2	25.0	-7.2	30.0
Bromoform	Lin1		0.3090	0.1000	27.1	25.0	8.3	40.0
Styrene	Ave	0.9367	0.8968		23.9	25.0	-4.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8203	0.7642	0.3000	23.3	25.0	-6.8	30.0
o-Xylene	Ave	0.5993	0.5515		23.0	25.0	-8.0	30.0
1,2,3-Trichloropropane	Ave	0.7130	0.9716		34.1	25.0	36.3*	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2355	0.2565		27.2	25.0	8.9	40.0
Isopropylbenzene	Ave	1.445	1.466		25.4	25.0	1.4	30.0
Bromobenzene	Ave	0.8135	0.8244		25.3	25.0	1.3	30.0
n-Propylbenzene	Ave	3.682	3.596		24.4	25.0	-2.3	30.0
2-Chlorotoluene	Ave	2.321	2.351		25.3	25.0	1.3	30.0
4-Chlorotoluene	Ave	2.428	2.523		26.0	25.0	3.9	30.0
1,3,5-Trimethylbenzene	Ave	2.490	2.617		26.3	25.0	5.1	30.0
tert-Butylbenzene	Ave	2.069	2.132		25.8	25.0	3.1	30.0
1,2,4-Trimethylbenzene	Ave	2.593	2.673		25.8	25.0	3.1	30.0
sec-Butylbenzene	Ave	3.323	3.288		24.7	25.0	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.487	1.490		25.0	25.0	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322726/3 Calibration Date: 04/07/2016 08:23
 Instrument ID: GCMS56 Calib Start Date: 04/02/2016 16:25
 GC Column: DB-VRX B ID: 0.25 (mm) Calib End Date: 04/02/2016 21:51
 Lab File ID: GED07003.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.532	1.486		24.3	25.0	-3.0	30.0
p-Isopropyltoluene	Ave	2.605	2.629		25.2	25.0	0.9	30.0
1,2-Dichlorobenzene	Ave	1.486	1.465		24.6	25.0	-1.4	30.0
n-Butylbenzene	Ave	2.817	2.830		25.1	25.0	0.5	30.0
1,2-Dibromo-3-Chloropropane	Lin2		0.2335		28.0	25.0	11.9	40.0
1,2,4-Trichlorobenzene	Ave	1.199	1.182		24.7	25.0	-1.4	40.0
Naphthalene	Ave	2.529	2.381		23.5	25.0	-5.9	40.0
Hexachlorobutadiene	Ave	0.8585	0.9422		27.4	25.0	9.7	40.0
1,2,3-Trichlorobenzene	Ave	1.180	1.100		23.3	25.0	-6.8	40.0
Dibromofluoromethane (Surr)	Ave	0.2973	0.3603		30.3	25.0	21.2*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3910	0.5435		34.7	25.0	39.0	
Toluene-d8 (Surr)	Ave	1.105	1.201		27.2	25.0	8.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.002	1.130		28.2	25.0	12.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5878	0.5169		22.0	25.0	-12.1	40.0
Chloromethane	Ave	0.4180	0.4311	0.1000	25.8	25.0	3.1	40.0
Vinyl chloride	Ave	0.4507	0.4046		22.4	25.0	-10.2	30.0
1,3-Butadiene	Ave	0.3869	0.3449		22.3	25.0	-10.9	30.0
Bromomethane	Ave	0.2339	0.2214		23.7	25.0	-5.4	30.0
Chloroethane	Ave	0.2224	0.2172		24.4	25.0	-2.3	30.0
Ethanol	Ave	0.1016	0.1001		1230	1250	-1.5	40.0
Dichlorofluoromethane	Ave	0.6602	0.5910		22.4	25.0	-10.5	40.0
Acrolein	Ave	0.0323	0.0353		27.3	25.0	9.3	40.0
Trichlorofluoromethane	Ave	0.7295	0.6369		21.8	25.0	-12.7	40.0
Acetonitrile	Ave	0.0355	0.0355		250	250	0.0	40.0
Acetone	Lin2		0.0936		28.9	31.3	-7.6	40.0
Diethyl ether	Ave	0.2066	0.2054		24.9	25.0	-0.6	30.0
1,1-Dichloroethene	Ave	0.2654	0.2466		23.2	25.0	-7.1	30.0
Iodomethane	Ave	0.4535	0.4229		23.3	25.0	-6.8	40.0
tert-Butyl alcohol (TBA)	Ave	1.145	1.137		248	250	-0.7	30.0
Acrylonitrile	Ave	0.1002	0.1098		274	250	9.6	40.0
Methylene Chloride	Ave	0.2529	0.2470		24.4	25.0	-2.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3510	0.3203		22.8	25.0	-8.7	40.0
Allyl chloride	Ave	0.3980	0.4112		25.8	25.0	3.3	40.0
Carbon disulfide	Ave	0.8798	0.8295		23.6	25.0	-5.7	40.0
trans-1,2-Dichloroethene	Ave	0.2582	0.2603		25.2	25.0	0.8	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7508	0.7531		25.1	25.0	0.3	30.0
1,1-Dichloroethane	Ave	0.5084	0.4860	0.1000	23.9	25.0	-4.4	30.0
Propionitrile	Ave	0.0452	0.0491		272	250	8.6	40.0
Vinyl acetate	Ave	0.3936	0.3433		21.8	25.0	-12.8	40.0
Hexane	Ave	0.4619	0.4857		26.3	25.0	5.1	40.0
2-Butanone (MEK)	Lin1		0.0271		25.2	31.3	-19.4	40.0
Isopropyl Ether (DIPE)	Ave	0.7342	0.8081		27.5	25.0	10.1	30.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2667		25.5	25.0	1.9	30.0
Bromochloromethane	Ave	0.1312	0.1239		23.6	25.0	-5.6	30.0
Chloroform	Ave	0.5044	0.4699		23.3	25.0	-6.8	30.0
2,2-Dichloropropane	Ave	0.3974	0.3316		20.9	25.0	-16.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8228	0.8657		26.3	25.0	5.2	30.0
Isobutyl alcohol	Lin2		0.3994		657	625	5.1	40.0
Tetrahydrofuran	Ave	0.0927	0.0896		48.3	50.0	-3.4	40.0
1,2-Dichloroethane	Ave	0.4385	0.3849		21.9	25.0	-12.2	30.0
1,1,1-Trichloroethane	Ave	0.5601	0.4997		22.3	25.0	-10.8	30.0
1,1-Dichloropropene	Ave	0.3854	0.3676		23.8	25.0	-4.6	30.0
Cyclohexane	Ave	0.5376	0.5442		25.3	25.0	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06

Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43

GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44

Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5405	0.4887		22.6	25.0	-9.6	40.0
Benzene	Ave	0.9593	0.9596		25.0	25.0	0.0	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7133		25.5	25.0	1.9	30.0
Dibromomethane	Ave	0.1566	0.1519		24.2	25.0	-3.0	30.0
n-Heptane	Ave	0.4309	0.4492		26.1	25.0	4.3	30.0
1,2-Dichloropropane	Ave	0.2472	0.2501		25.3	25.0	1.2	30.0
Trichloroethene	Ave	0.3027	0.2938		24.3	25.0	-2.9	30.0
Bromodichloromethane	Ave	0.3890	0.3648		23.4	25.0	-6.2	30.0
2-Chloroethyl vinyl ether	Ave	0.1539	0.1727		28.1	25.0	12.2	40.0
cis-1,3-Dichloropropene	Ave	0.4830	0.5006		25.9	25.0	3.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3134	0.3658		36.5	31.3	16.7	40.0
trans-1,3-Dichloropropene	Ave	0.4717	0.4640		24.6	25.0	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.2069	0.2188		26.4	25.0	5.8	30.0
Toluene	Ave	1.369	1.347		24.6	25.0	-1.6	30.0
1,3-Dichloropropane	Ave	0.4491	0.4516		25.1	25.0	0.5	30.0
Ethyl methacrylate	Ave	0.3473	0.3811		27.4	25.0	9.7	40.0
2-Hexanone	Lin1		0.2836		33.6	31.3	7.6	40.0
Dibromochloromethane	Ave	0.3816	0.3624		23.7	25.0	-5.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.2932	0.3068		26.2	25.0	4.6	30.0
Tetrachloroethene	Ave	0.3119	0.2922		23.4	25.0	-6.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3836	0.3609		23.5	25.0	-5.9	40.0
Chlorobenzene	Ave	0.9396	0.9028	0.3000	24.0	25.0	-3.9	30.0
Ethylbenzene	Ave	1.657	1.616		24.4	25.0	-2.5	30.0
m,p-Xylene	Ave	0.6140	0.6151		25.0	25.0	0.2	30.0
Bromoform	Ave	0.2450	0.2597	0.1000	26.5	25.0	6.0	40.0
Styrene	Ave	0.9024	0.9357		25.9	25.0	3.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6644	0.7225	0.3000	27.2	25.0	8.8	30.0
o-Xylene	Ave	0.5955	0.5997		25.2	25.0	0.7	30.0
1,2,3-Trichloropropane	Ave	0.6048	0.6414		26.5	25.0	6.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2757	0.2589		23.5	25.0	-6.1	40.0
Isopropylbenzene	Ave	1.752	1.731		24.7	25.0	-1.2	30.0
Bromobenzene	Ave	0.7429	0.7589		25.5	25.0	2.1	30.0
n-Propylbenzene	Ave	3.426	3.671		26.8	25.0	7.2	30.0
2-Chlorotoluene	Ave	2.214	2.294		25.9	25.0	3.6	30.0
4-Chlorotoluene	Ave	2.284	2.396		26.2	25.0	4.9	30.0
1,3,5-Trimethylbenzene	Ave	2.657	2.835		26.7	25.0	6.7	30.0
tert-Butylbenzene	Ave	2.364	2.516		26.6	25.0	6.5	30.0
1,2,4-Trimethylbenzene	Ave	2.699	2.832		26.2	25.0	4.9	30.0
sec-Butylbenzene	Ave	3.537	3.764		26.6	25.0	6.4	30.0
1,3-Dichlorobenzene	Ave	1.539	1.521		24.7	25.0	-1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321171/18 Calibration Date: 03/30/2016 21:06
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XEC30025.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.566	1.540		24.6	25.0	-1.7	30.0
p-Isopropyltoluene	Ave	3.089	3.204		25.9	25.0	3.7	30.0
1,2-Dichlorobenzene	Ave	1.426	1.454		25.5	25.0	1.9	30.0
n-Butylbenzene	Ave	2.726	2.875		26.4	25.0	5.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2049	0.2039		24.9	25.0	-0.5	40.0
1,2,4-Trichlorobenzene	Ave	0.9909	1.021		25.7	25.0	3.0	40.0
Naphthalene	Ave	2.303	2.734		29.7	25.0	18.8	40.0
Hexachlorobutadiene	Ave	0.7651	0.7504		24.5	25.0	-1.9	40.0
1,2,3-Trichlorobenzene	Ave	0.9300	0.9648		25.9	25.0	3.7	40.0
Dibromofluoromethane (Surr)	Ave	0.2732	0.2682		24.5	25.0	-1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3658	0.3388		23.2	25.0	-7.4	
Toluene-d8 (Surr)	Ave	1.185	1.217		25.7	25.0	2.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9673	0.9905		25.6	25.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12

Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43

GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44

Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5878	0.7736		32.9	25.0	31.6	40.0
Chloromethane	Ave	0.4180	0.6045	0.1000	36.2	25.0	44.6*	40.0
Vinyl chloride	Ave	0.4507	0.6280		34.8	25.0	39.3*	20.0
1,3-Butadiene	Ave	0.3869	0.5816		37.6	25.0	50.3*	30.0
Bromomethane	Ave	0.2339	0.3518		37.6	25.0	50.4*	30.0
Chloroethane	Ave	0.2224	0.3219		36.2	25.0	44.7*	30.0
Ethanol	Ave	0.1016	0.1330		1640	1250	30.9	40.0
Dichlorofluoromethane	Ave	0.6602	0.8748		33.1	25.0	32.5	40.0
Acrolein	Ave	0.0323	0.0256		19.8	25.0	-20.6	40.0
Trichlorofluoromethane	Ave	0.7295	0.8138		27.9	25.0	11.6	40.0
Acetonitrile	Ave	0.0355	0.0314		221	250	-11.5	40.0
Acetone	Lin2		0.0951		23.8	25.0	-4.9	40.0
Diethyl ether	Ave	0.2066	0.1819		22.0	25.0	-12.0	30.0
1,1-Dichloroethene	Ave	0.2654	0.2716		25.6	25.0	2.4	20.0
Iodomethane	Ave	0.4535	0.5017		27.7	25.0	10.6	40.0
tert-Butyl alcohol (TBA)	Ave	1.145	1.187		259	250	3.7	30.0
Acrylonitrile	Ave	0.1002	0.0945		236	250	-5.7	40.0
Methylene Chloride	Ave	0.2529	0.2343		23.2	25.0	-7.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3510	0.3740		26.6	25.0	6.6	40.0
Allyl chloride	Ave	0.3980	0.3710		23.3	25.0	-6.8	40.0
Carbon disulfide	Ave	0.8798	0.9011		25.6	25.0	2.4	40.0
trans-1,2-Dichloroethene	Ave	0.2582	0.2782		26.9	25.0	7.7	30.0
Methyl-t-Butyl Ether (MTBE)	Ave	0.7508	0.7967		26.5	25.0	6.1	30.0
1,1-Dichloroethane	Ave	0.5084	0.4981	0.1000	24.5	25.0	-2.0	30.0
Propionitrile	Ave	0.0452	0.0433		240	250	-4.1	40.0
Vinyl acetate	Ave	0.3936	0.4335		22.0	20.0	10.2	40.0
Hexane	Ave	0.4619	0.4249		23.0	25.0	-8.0	40.0
2-Butanone (MEK)	Lin1		0.0313		23.3	25.0	-6.7	40.0
Isopropyl Ether (DIPE)	Ave	0.7342	0.6594		22.5	25.0	-10.2	30.0
cis-1,2-Dichloroethene	Ave	0.2616	0.2875		27.5	25.0	9.9	30.0
Bromochloromethane	Ave	0.1312	0.1404		26.7	25.0	7.0	30.0
Chloroform	Ave	0.5044	0.5525		27.4	25.0	9.5	20.0
2,2-Dichloropropane	Ave	0.3974	0.4752		29.9	25.0	19.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8228	0.8141		24.7	25.0	-1.0	30.0
Isobutyl alcohol	Lin2		0.3693		608	625	-2.7	40.0
Tetrahydrofuran	Ave	0.0927	0.0764		41.2	50.0	-17.6	40.0
1,2-Dichloroethane	Ave	0.4385	0.4411		25.1	25.0	0.6	30.0
1,1,1-Trichloroethane	Ave	0.5601	0.6326		28.2	25.0	12.9	30.0
1,1-Dichloropropene	Ave	0.3854	0.4102		26.6	25.0	6.4	30.0
Cyclohexane	Ave	0.5376	0.4875		22.7	25.0	-9.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12

Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43

GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44

Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5405	0.6380		29.5	25.0	18.0	40.0
Benzene	Ave	0.9593	0.9701		25.3	25.0	1.1	30.0
Tert-amyl-methyl ether (TAME)	Lin2		0.7076		25.3	25.0	1.1	30.0
Dibromomethane	Ave	0.1566	0.1628		26.0	25.0	3.9	30.0
n-Heptane	Ave	0.4309	0.3905		22.7	25.0	-9.4	30.0
1,2-Dichloropropane	Ave	0.2472	0.2195		22.2	25.0	-11.2	20.0
Trichloroethene	Ave	0.3027	0.3244		26.8	25.0	7.2	30.0
Bromodichloromethane	Ave	0.3890	0.4077		26.2	25.0	4.8	30.0
2-Chloroethyl vinyl ether	Ave	0.1539	0.1152		18.7	25.0	-25.2	40.0
cis-1,3-Dichloropropene	Ave	0.4830	0.3884		20.1	25.0	-19.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3134	0.2206		17.6	25.0	-29.6	40.0
trans-1,3-Dichloropropene	Ave	0.4717	0.4097		21.7	25.0	-13.1	30.0
1,1,2-Trichloroethane	Ave	0.2069	0.1593		19.2	25.0	-23.0	30.0
Toluene	Ave	1.369	1.158		21.1	25.0	-15.4	20.0
1,3-Dichloropropane	Ave	0.4491	0.3607		20.1	25.0	-19.7	30.0
Ethyl methacrylate	Ave	0.3473	0.2933		21.1	25.0	-15.5	40.0
2-Hexanone	Lin1		0.2111		20.3	25.0	-18.7	40.0
Dibromochloromethane	Ave	0.3816	0.3512		23.0	25.0	-8.0	30.0
1,2-Dibromoethane (EDB)	Ave	0.2932	0.2358		20.1	25.0	-19.6	30.0
Tetrachloroethene	Ave	0.3119	0.2763		22.1	25.0	-11.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3836	0.3897		25.4	25.0	1.6	40.0
Chlorobenzene	Ave	0.9396	0.9868	0.3000	26.3	25.0	5.0	30.0
Ethylbenzene	Ave	1.657	1.651		24.9	25.0	-0.4	20.0
m,p-Xylene	Ave	0.6140	0.5784		23.5	25.0	-5.8	30.0
Bromoform	Ave	0.2450	0.2407	0.1000	24.6	25.0	-1.8	40.0
Styrene	Ave	0.9024	0.9254		25.6	25.0	2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6644	0.6646	0.3000	25.0	25.0	0.0	30.0
o-Xylene	Ave	0.5955	0.6106		25.6	25.0	2.5	30.0
1,2,3-Trichloropropane	Ave	0.6048	0.5725		23.7	25.0	-5.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2757	0.2416		21.9	25.0	-12.4	40.0
Isopropylbenzene	Ave	1.752	1.789		25.5	25.0	2.1	30.0
Bromobenzene	Ave	0.7429	0.7713		26.0	25.0	3.8	30.0
n-Propylbenzene	Ave	3.426	3.692		26.9	25.0	7.8	30.0
2-Chlorotoluene	Ave	2.214	2.310		26.1	25.0	4.3	30.0
4-Chlorotoluene	Ave	2.284	2.415		26.4	25.0	5.7	30.0
1,3,5-Trimethylbenzene	Ave	2.657	2.939		27.7	25.0	10.6	30.0
tert-Butylbenzene	Ave	2.364	2.614		27.6	25.0	10.6	30.0
1,2,4-Trimethylbenzene	Ave	2.699	3.012		27.9	25.0	11.6	30.0
sec-Butylbenzene	Ave	3.537	3.855		27.2	25.0	9.0	30.0
1,3-Dichlorobenzene	Ave	1.539	1.575		25.6	25.0	2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323348/7 Calibration Date: 04/11/2016 08:12
 Instrument ID: GCMS59 Calib Start Date: 03/30/2016 14:43
 GC Column: DB-VRX A ID: 0.25 (mm) Calib End Date: 03/30/2016 19:44
 Lab File ID: XED11007.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dichlorobenzene	Ave	1.566	1.636		26.1	25.0	4.5	30.0
p-Isopropyltoluene	Ave	3.089	3.483		28.2	25.0	12.8	30.0
1,2-Dichlorobenzene	Ave	1.426	1.523		26.7	25.0	6.8	30.0
n-Butylbenzene	Ave	2.726	3.157		29.0	25.0	15.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2049	0.2134		26.0	25.0	4.1	40.0
1,2,4-Trichlorobenzene	Ave	0.9909	1.064		26.8	25.0	7.3	40.0
Naphthalene	Ave	2.303	2.501		27.2	25.0	8.6	40.0
Hexachlorobutadiene	Ave	0.7651	0.8017		26.2	25.0	4.8	40.0
1,2,3-Trichlorobenzene	Ave	0.9300	0.9699		26.1	25.0	4.3	40.0
Dibromofluoromethane (Surr)	Ave	0.2732	0.2857		26.1	25.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3658	0.3591		24.5	25.0	-1.8	
Toluene-d8 (Surr)	Ave	1.185	1.000		21.1	25.0	-15.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9673	0.9494		24.5	25.0	-1.9	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322726/5
 Matrix: Water Lab File ID: GED07005.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 09:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	113		80-120
1868-53-7	Dibromofluoromethane (Surr)	125		76-132
2037-26-5	Toluene-d8 (Surr)	118		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-323348/4
 Matrix: Water Lab File ID: XED1104.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 08:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	ND		0.50	
100-41-4	Ethylbenzene	ND		0.50	
179601-23-1	m,p-Xylene	ND		1.0	
95-47-6	o-Xylene	ND		0.50	
108-88-3	Toluene	ND		0.50	
1330-20-7	Xylenes, Total	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	113		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		76-132
2037-26-5	Toluene-d8 (Surr)	100		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-322726/6
 Matrix: Water Lab File ID: GED07006.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 09:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.0		0.50	
100-41-4	Ethylbenzene	24.5		0.50	
179601-23-1	m,p-Xylene	24.8		1.0	
95-47-6	o-Xylene	24.0		0.50	
108-88-3	Toluene	23.4		0.50	
1330-20-7	Xylenes, Total	48.8		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	114		80-120
1868-53-7	Dibromofluoromethane (Surr)	124		76-132
2037-26-5	Toluene-d8 (Surr)	112		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-323348/5
 Matrix: Water Lab File ID: XED11005.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 09:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.6		0.50	
100-41-4	Ethylbenzene	29.5		0.50	
179601-23-1	m,p-Xylene	25.2		1.0	
95-47-6	o-Xylene	26.7		0.50	
108-88-3	Toluene	21.3		0.50	
1330-20-7	Xylenes, Total	51.9		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		76-132
2037-26-5	Toluene-d8 (Surr)	85		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143310-A-3 MS
 Matrix: Water Lab File ID: GED07009.D
 Analysis Method: 8260B Date Collected: 04/05/2016 06:45
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 11:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	25.1		0.50	
100-41-4	Ethylbenzene	25.2		0.50	
179601-23-1	m,p-Xylene	25.3		1.0	
95-47-6	o-Xylene	24.6		0.50	
108-88-3	Toluene	24.1		0.50	
1330-20-7	Xylenes, Total	49.9		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	123		76-132
2037-26-5	Toluene-d8 (Surr)	110		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143184-B-4 MS
 Matrix: Water Lab File ID: XED11009.D
 Analysis Method: 8260B Date Collected: 03/31/2016 09:20
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 11:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	28.2		0.50	
100-41-4	Ethylbenzene	27.6		0.50	
179601-23-1	m,p-Xylene	29.2		1.0	
95-47-6	o-Xylene	34.5		0.50	
108-88-3	Toluene	24.3		0.50	
1330-20-7	Xylenes, Total	63.7		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		76-132
2037-26-5	Toluene-d8 (Surr)	90		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143310-A-3 MSD
 Matrix: Water Lab File ID: GED07010.D
 Analysis Method: 8260B Date Collected: 04/05/2016 06:45
 Sample wt/vol: 10 (mL) Date Analyzed: 04/07/2016 12:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX B ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 322726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	24.6		0.50	
100-41-4	Ethylbenzene	25.0		0.50	
179601-23-1	m,p-Xylene	25.5		1.0	
95-47-6	o-Xylene	24.5		0.50	
108-88-3	Toluene	24.1		0.50	
1330-20-7	Xylenes, Total	50.0		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	112		80-120
1868-53-7	Dibromofluoromethane (Surr)	120		76-132
2037-26-5	Toluene-d8 (Surr)	111		80-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 440-143184-B-4 MSD
 Matrix: Water Lab File ID: XED11010.D
 Analysis Method: 8260B Date Collected: 03/31/2016 09:20
 Sample wt/vol: 10 (mL) Date Analyzed: 04/11/2016 12:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX A ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323348 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-43-2	Benzene	26.2		0.50	
100-41-4	Ethylbenzene	26.0		0.50	
179601-23-1	m,p-Xylene	26.2		1.0	
95-47-6	o-Xylene	27.2		0.50	
108-88-3	Toluene	25.7		0.50	
1330-20-7	Xylenes, Total	53.4		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		76-132
2037-26-5	Toluene-d8 (Surr)	100		80-128

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS56Start Date: 04/02/2016 14:55Analysis Batch Number: 321924End Date: 04/02/2016 23:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-321924/1		04/02/2016 14:55	1	GED02010.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 15:26	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 15:55	1		DB-VRX B 0.25 (mm)
STD02 440-321924/4 IC		04/02/2016 16:25	1	GED02013.D	DB-VRX B 0.25 (mm)
STD035 440-321924/5 IC		04/02/2016 16:55	1	GED02014.D	DB-VRX B 0.25 (mm)
STD05 440-321924/6 IC		04/02/2016 17:24	1	GED02015.D	DB-VRX B 0.25 (mm)
STD1 440-321924/7 IC		04/02/2016 17:54	1	GED02016.D	DB-VRX B 0.25 (mm)
STD2 440-321924/8 IC		04/02/2016 18:24	1	GED02017.D	DB-VRX B 0.25 (mm)
STD5 440-321924/9 IC		04/02/2016 18:53	1	GED02018.D	DB-VRX B 0.25 (mm)
STD10 440-321924/10 IC		04/02/2016 19:23	1	GED02019.D	DB-VRX B 0.25 (mm)
ICIS 440-321924/11		04/02/2016 19:52	1	GED02020.D	DB-VRX B 0.25 (mm)
STD50 440-321924/12 IC		04/02/2016 20:22	1	GED02021.D	DB-VRX B 0.25 (mm)
STD100 440-321924/13 IC		04/02/2016 20:51	1	GED02022.D	DB-VRX B 0.25 (mm)
STD200 440-321924/14 IC		04/02/2016 21:21	1	GED02023.D	DB-VRX B 0.25 (mm)
STD300 440-321924/15 IC		04/02/2016 21:51	1	GED02024.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 22:21	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/02/2016 22:50	1		DB-VRX B 0.25 (mm)
ICV 440-321924/18		04/02/2016 23:20	1	GED02027.D	DB-VRX B 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS56 Start Date: 04/07/2016 06:40

Analysis Batch Number: 322726 End Date: 04/07/2016 18:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-322726/1		04/07/2016 06:40	1	GED07001.D	DB-VRX B 0.25 (mm)
CCVIS 440-322726/2		04/07/2016 07:54	1		DB-VRX B 0.25 (mm)
CCVIS 440-322726/3		04/07/2016 08:23	1	GED07003.D	DB-VRX B 0.25 (mm)
MB 440-322726/5		04/07/2016 09:23	1	GED07005.D	DB-VRX B 0.25 (mm)
LCS 440-322726/6		04/07/2016 09:52	1	GED07006.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 11:14	1		DB-VRX B 0.25 (mm)
440-143310-A-3 MS		04/07/2016 11:44	1	GED07009.D	DB-VRX B 0.25 (mm)
440-143310-A-3 MSD		04/07/2016 12:13	1	GED07010.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 12:43	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 13:12	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 13:42	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 14:12	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 14:41	1		DB-VRX B 0.25 (mm)
440-143186-1		04/07/2016 15:11	1	GED07016.D	DB-VRX B 0.25 (mm)
440-143186-4		04/07/2016 15:40	1	GED07017.D	DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 16:10	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 16:39	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 17:09	1		DB-VRX B 0.25 (mm)
ZZZZZ		04/07/2016 17:38	1		DB-VRX B 0.25 (mm)
440-143186-2		04/07/2016 18:08	1	GED07022.D	DB-VRX B 0.25 (mm)
440-143186-3		04/07/2016 18:38	1	GED07023.D	DB-VRX B 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS59Start Date: 03/30/2016 13:22Analysis Batch Number: 321171End Date: 03/30/2016 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-321171/1		03/30/2016 13:22	1	XEC30008.D	DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 13:48	1		DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 14:16	1		DB-VRX A 0.25 (mm)
STD02 440-321171/4 IC		03/30/2016 14:43	1	XEC30011.D	DB-VRX A 0.25 (mm)
STD035 440-321171/5 IC		03/30/2016 15:10	1	XEC30012.D	DB-VRX A 0.25 (mm)
STD05 440-321171/6 IC		03/30/2016 15:37	1	XEC30013.D	DB-VRX A 0.25 (mm)
STD1 440-321171/7 IC		03/30/2016 16:04	1	XEC30014.D	DB-VRX A 0.25 (mm)
STD2 440-321171/8 IC		03/30/2016 16:32	1	XEC30015.D	DB-VRX A 0.25 (mm)
STD5 440-321171/9 IC		03/30/2016 16:59	1	XEC30016.D	DB-VRX A 0.25 (mm)
STD10 440-321171/10 IC		03/30/2016 17:27	1	XEC30017.D	DB-VRX A 0.25 (mm)
ICIS 440-321171/11		03/30/2016 17:54	1	XEC30018.D	DB-VRX A 0.25 (mm)
STD50 440-321171/12 IC		03/30/2016 18:22	1	XEC30019.D	DB-VRX A 0.25 (mm)
STD100 440-321171/13 IC		03/30/2016 18:49	1	XEC30020.D	DB-VRX A 0.25 (mm)
STD200 440-321171/14 IC		03/30/2016 19:16	1	XEC30021.D	DB-VRX A 0.25 (mm)
STD300 440-321171/15 IC		03/30/2016 19:44	1	XEC30022.D	DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 20:11	1		DB-VRX A 0.25 (mm)
ZZZZZ		03/30/2016 20:39	1		DB-VRX A 0.25 (mm)
ICV 440-321171/18		03/30/2016 21:06	1	XEC30025.D	DB-VRX A 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS59Start Date: 04/11/2016 06:03Analysis Batch Number: 323348End Date: 04/11/2016 18:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 440-323348/1		04/11/2016 06:03	1	XED11001.D	DB-VRX A 0.25 (mm)
CCVIS 440-323348/2		04/11/2016 06:28	1		DB-VRX A 0.25 (mm)
CCV 440-323348/3		04/11/2016 06:56	1		DB-VRX A 0.25 (mm)
CCVIS 440-323348/6		04/11/2016 07:23	1		DB-VRX A 0.25 (mm)
CCVIS 440-323348/7		04/11/2016 08:12	1	XED11007.D	DB-VRX A 0.25 (mm)
MB 440-323348/4		04/11/2016 08:40	1	XED1104.D	DB-VRX A 0.25 (mm)
LCS 440-323348/5		04/11/2016 09:07	1	XED11005.D	DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 11:08	1		DB-VRX A 0.25 (mm)
440-143184-B-4 MS		04/11/2016 11:35	1	XED11009.D	DB-VRX A 0.25 (mm)
440-143184-B-4 MSD		04/11/2016 12:03	1	XED11010.D	DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 12:31	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 12:58	10		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 13:26	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 13:53	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 14:21	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 14:48	1		DB-VRX A 0.25 (mm)
440-143186-5		04/11/2016 15:16	1	XED11017.D	DB-VRX A 0.25 (mm)
440-143186-6		04/11/2016 15:43	1	XED11018.D	DB-VRX A 0.25 (mm)
440-143186-7		04/11/2016 16:11	1	XED11019.D	DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 16:38	100		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 17:06	40		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 17:33	1		DB-VRX A 0.25 (mm)
ZZZZZ		04/11/2016 18:01	1		DB-VRX A 0.25 (mm)

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-5MS A ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
MW-01	440-143186-1	60	73	86
MW-03	440-143186-2	48	34	60
MW-04	440-143186-3	35	47	68
MW-05	440-143186-4	64	67	64
MW-19	440-143186-5	58	90	74
MW-20	440-143186-6	148	42	68
MW-22	440-143186-7	31	24	68
	MB 440-322273/1-A	69	93	85
	MB 440-322773/1-A	70	57	76
	LCS 440-322273/2-A	59	72	92
	LCS 440-322773/2-A	50	58	72
	LCSD 440-322273/3-A	70	83	100
	LCSD 440-322773/3-A	49	59	75

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5	46-109
FBP = 2-Fluorobiphenyl (Surr)	50-104
TPH = Terphenyl-d14	28-124

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040603.D
 Lab ID: LCS 440-322273/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.768	77	54-120	
Acenaphthylene	1.00	0.756	76	55-120	
Anthracene	1.00	0.836	84	56-120	
Benzo[a]anthracene	1.00	0.799	80	63-120	
Benzo[a]pyrene	1.00	0.812	81	54-120	
Benzo[b]fluoranthene	1.00	0.914	91	60-120	
Benzo[g,h,i]perylene	1.00	0.782	78	61-139	
Benzo[k]fluoranthene	1.00	0.962	96	62-120	
Chrysene	1.00	0.875	87	65-120	
Dibenz(a,h)anthracene	1.00	0.714	71	61-120	
Fluoranthene	1.00	0.827	83	61-120	
Fluorene	1.00	0.885	88	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.696	70	61-122	
Naphthalene	1.00	0.734	73	46-120	
Phenanthrene	1.00	0.808	81	60-120	
Pyrene	1.00	0.806	81	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J041302.D
 Lab ID: LCS 440-322773/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.00	0.667	67	54-120	
Acenaphthylene	1.00	0.636	64	55-120	
Anthracene	1.00	0.725	72	56-120	
Benzo[a]anthracene	1.00	0.657	66	63-120	
Benzo[a]pyrene	1.00	0.710	71	54-120	
Benzo[b]fluoranthene	1.00	0.713	71	60-120	
Benzo[g,h,i]perylene	1.00	0.868	87	61-139	
Benzo[k]fluoranthene	1.00	0.816	82	62-120	
Chrysene	1.00	0.770	77	65-120	
Dibenz(a,h)anthracene	1.00	0.770	77	61-120	
Fluoranthene	1.00	0.736	74	61-120	
Fluorene	1.00	0.685	69	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.747	75	61-122	
Naphthalene	1.00	0.577	58	46-120	
Phenanthrene	1.00	0.684	68	60-120	
Pyrene	1.00	0.725	72	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040604.D
 Lab ID: LCSD 440-322273/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.781	78	2	35	54-120	
Acenaphthylene	1.00	0.772	77	2	35	55-120	
Anthracene	1.00	0.811	81	3	35	56-120	
Benzo[a]anthracene	1.00	0.845	84	6	35	63-120	
Benzo[a]pyrene	1.00	0.885	88	9	35	54-120	
Benzo[b]fluoranthene	1.00	0.996	100	9	35	60-120	
Benzo[g,h,i]perylene	1.00	0.915	92	16	35	61-139	
Benzo[k]fluoranthene	1.00	1.12	112	15	35	62-120	
Chrysene	1.00	0.941	94	7	35	65-120	
Dibenz(a,h)anthracene	1.00	0.855	86	18	35	61-120	
Fluoranthene	1.00	0.883	88	7	35	61-120	
Fluorene	1.00	0.902	90	2	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.815	82	16	35	61-122	
Naphthalene	1.00	0.718	72	2	35	46-120	
Phenanthrene	1.00	0.847	85	5	35	60-120	
Pyrene	1.00	0.837	84	4	35	63-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J040904.D
 Lab ID: LCSD 440-322773/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.00	0.641	64	4	35	54-120	
Acenaphthylene	1.00	0.628	63	1	35	55-120	
Anthracene	1.00	0.690	69	5	35	56-120	
Benzo[a]anthracene	1.00	0.689	69	5	35	63-120	
Benzo[a]pyrene	1.00	0.724	72	2	35	54-120	
Benzo[b]fluoranthene	1.00	0.740	74	4	35	60-120	
Benzo[g,h,i]perylene	1.00	0.911	91	5	35	61-139	
Benzo[k]fluoranthene	1.00	0.790	79	3	35	62-120	
Chrysene	1.00	0.831	83	8	35	65-120	
Dibenz(a,h)anthracene	1.00	0.778	78	1	35	61-120	
Fluoranthene	1.00	0.765	76	4	35	61-120	
Fluorene	1.00	0.680	68	1	35	53-120	
Indeno[1,2,3-cd]pyrene	1.00	0.760	76	2	35	61-122	
Naphthalene	1.00	0.544	54	6	35	46-120	
Phenanthrene	1.00	0.699	70	2	35	60-120	
Pyrene	1.00	0.729	73	1	35	63-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab File ID: J040602.D Lab Sample ID: MB 440-322273/1-A
Matrix: Water Date Extracted: 04/05/2016 10:08
Instrument ID: GCMS65 Date Analyzed: 04/06/2016 11:41
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 440-322273/2-A	J040603.D	04/06/2016 12:01
	LCSD 440-322273/3-A	J040604.D	04/06/2016 12:22
MW-01	440-143186-1	J040616.D	04/06/2016 16:30
MW-03	440-143186-2	J040617.D	04/06/2016 17:07
MW-05	440-143186-4	J040619.D	04/06/2016 17:48
MW-19	440-143186-5	J040620.D	04/06/2016 18:09
MW-20	440-143186-6	J040621.D	04/06/2016 18:38
MW-04	440-143186-3	J040627.D	04/06/2016 22:35

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab File ID: J040902.D Lab Sample ID: MB 440-322773/1-A
Matrix: Water Date Extracted: 04/07/2016 09:52
Instrument ID: GCMS65 Date Analyzed: 04/10/2016 00:57
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 440-322773/3-A	J040904.D	04/10/2016 01:38
MW-22	440-143186-7	J041204.D	04/12/2016 18:01
	LCS 440-322773/2-A	J041302.D	04/13/2016 17:07

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	33207	5.42	26262	7.14	62152	8.39	
UPPER LIMIT	66414	5.92	52524	7.64	124304	8.89	
LOWER LIMIT	16604	4.92	13131	6.64	31076	7.89	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 440-321454/10		19856	5.42	18528	7.13	44297	8.39
CCVIS 440-322558/1		26589	5.40	23889	7.11	56814	8.36
CCVIS 440-323269/1		29104	5.39	24603	7.10	58074	8.35
CCVIS 440-323808/1		26876	5.40	23936	7.11	55003	8.37
CCVIS 440-324076/1		23798	5.38	19894	7.10	47525	8.34

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: ICIS 440-321454/1 Date Analyzed: 03/31/2016 11:52
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J033101.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	111913	10.55	119086	12.91		
UPPER LIMIT	223826	11.05	238172	13.41		
LOWER LIMIT	55957	10.05	59543	12.41		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 440-321454/10	75393	10.52	80427	12.88		
CCVIS 440-322558/1	95563	10.52	78265	12.86		
CCVIS 440-323269/1	101320	10.50	100610	12.82		
CCVIS 440-323808/1	90177	10.52	93713	12.85		
CCVIS 440-324076/1	73981	10.48	77875	12.79		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-322558/1 Date Analyzed: 04/06/2016 11:20
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040601.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	26589	5.40	23889	7.11	56814	8.36	
UPPER LIMIT	53178	5.90	47778	7.61	113628	8.86	
LOWER LIMIT	13295	4.90	11945	6.61	28407	7.86	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322273/1-A		20571	5.41	19647	7.11	51462	8.36
LCS 440-322273/2-A		13508	5.42	13741	7.13	35068	8.38
LCSD 440-322273/3-A		14689	5.49	14360	7.20	36893	8.45
440-143186-1	MW-01	15913	5.49	15846	7.20	41463	8.45
440-143186-2	MW-03	28229	5.40	43823	7.11	59578	8.36
440-143186-4	MW-05	17089	5.42	16051	7.13	42786	8.38
440-143186-5	MW-19	27460	5.40	24548	7.11	63538	8.36
440-143186-6	MW-20	27069	5.48	33854	7.20	58351	8.45
440-143186-3	MW-04	19184	5.40	20901	7.11	52165	8.36

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-322558/1 Date Analyzed: 04/06/2016 11:20
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040601.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		95563	10.52	78265	12.86		
UPPER LIMIT		191126	11.02	156530	13.36		
LOWER LIMIT		47782	10.02	39133	12.36		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322273/1-A		88938	10.50	69072	12.83		
LCS 440-322273/2-A		57580	10.52	43892	12.86		
LCSD 440-322273/3-A		62150	10.59	44884	12.99		
440-143186-1	MW-01	65718	10.59	50104	12.98		
440-143186-2	MW-03	73885	10.50	50738	12.83		
440-143186-4	MW-05	71881	10.51	57791	12.85		
440-143186-5	MW-19	71879	10.49	48608	12.82		
440-143186-6	MW-20	86866	10.59	56744	12.99		
440-143186-3	MW-04	77208	10.50	57391	12.83		

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	29104	5.39	24603	7.10	58074	8.35	
UPPER LIMIT	58208	5.89	49206	7.60	116148	8.85	
LOWER LIMIT	14552	4.89	12302	6.60	29037	7.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 440-322773/1-A		16186	5.41	15408	7.12	39139	8.37
LCSD 440-322773/3-A		15241	5.39	13715	7.10	32720	8.35

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323269/1 Date Analyzed: 04/10/2016 00:36
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J040901.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	101320	10.50	100610	12.82		
UPPER LIMIT	202640	11.00	201220	13.32		
LOWER LIMIT	50660	10.00	50305	12.32		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 440-322773/1-A		70316	10.50	65657	12.83	
LCSD 440-322773/3-A		56269	10.48	55034	12.79	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323808/1 Date Analyzed: 04/12/2016 16:59
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041201.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	26876	5.40	23936	7.11	55003	8.37
UPPER LIMIT	53752	5.90	47872	7.61	110006	8.87
LOWER LIMIT	13438	4.90	11968	6.61	27502	7.87
LAB SAMPLE ID	CLIENT SAMPLE ID					
440-143186-7	MW-22		31634	5.40	32707	7.11
					101920	8.36

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-323808/1 Date Analyzed: 04/12/2016 16:59
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041201.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	90177	10.52	93713	12.85		
UPPER LIMIT	180354	11.02	187426	13.35		
LOWER LIMIT	45089	10.02	46857	12.35		
LAB SAMPLE ID	CLIENT SAMPLE ID					
440-143186-7	MW-22		135732	10.49	128239	12.82

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		23798	5.38	19894	7.10	47525	8.34
UPPER LIMIT		47596	5.88	39788	7.60	95050	8.84
LOWER LIMIT		11899	4.88	9947	6.60	23763	7.84
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 440-322773/2-A		24050	5.38	20434	7.09	50833	8.34

NPT = Naphthalene-d8
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 ANT = Acenaphthene-d10
 Area Limit = 50%-200% of internal standard area
 PHN = Phenanthrene-d10
 RT Limit = ± 0.5 minutes of internal standard RT
 PHN = Phenanthrene-d10

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Sample No.: CCVIS 440-324076/1 Date Analyzed: 04/13/2016 16:46
 Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm)
 Lab File ID (Standard): J041301.D Heated Purge: (Y/N) N
 Calibration ID: 13939

	CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	73981	10.48	77875	12.79		
UPPER LIMIT	147962	10.98	155750	13.29		
LOWER LIMIT	36991	9.98	38938	12.29		
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 440-322773/2-A		88135	10.47	82072	12.77	

CRY = Chrysene-d12
 CRY = Chrysene-d12
 PRY = Perylene-d12
 PRY = Perylene-d12
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-01</u>	Lab Sample ID: <u>440-143186-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040616.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 08:40</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1075 (mL)</u>	Date Analyzed: <u>04/06/2016 16:30</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	73		50-104
4165-60-0	Nitrobenzene-d5	60		46-109
1718-51-0	Terphenyl-d14	86		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-03</u>	Lab Sample ID: <u>440-143186-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040617.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 12:40</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1060 (mL)</u>	Date Analyzed: <u>04/06/2016 17:07</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.44		0.38	
208-96-8	Acenaphthylene	ND		0.38	
120-12-7	Anthracene	ND		0.38	
56-55-3	Benzo[a]anthracene	ND		0.38	
50-32-8	Benzo[a]pyrene	ND		0.38	
205-99-2	Benzo[b]fluoranthene	ND		0.38	
191-24-2	Benzo[g,h,i]perylene	ND		0.38	
207-08-9	Benzo[k]fluoranthene	ND		0.38	
218-01-9	Chrysene	ND		0.38	
53-70-3	Dibenz(a,h)anthracene	ND		0.38	
206-44-0	Fluoranthene	ND		0.38	
86-73-7	Fluorene	1.2		0.38	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	
91-20-3	Naphthalene	3.3		0.38	
85-01-8	Phenanthrene	0.88		0.38	
129-00-0	Pyrene	ND		0.38	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	34		50-104
4165-60-0	Nitrobenzene-d5	48		46-109
1718-51-0	Terphenyl-d14	60		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-04</u>	Lab Sample ID: <u>440-143186-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040627.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 11:07</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1065(mL)</u>	Date Analyzed: <u>04/06/2016 22:35</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.94	
208-96-8	Acenaphthylene	ND		0.94	
120-12-7	Anthracene	ND		0.94	
56-55-3	Benzo[a]anthracene	ND		0.94	
50-32-8	Benzo[a]pyrene	ND		0.94	
205-99-2	Benzo[b]fluoranthene	ND		0.94	
191-24-2	Benzo[g,h,i]perylene	ND		0.94	
207-08-9	Benzo[k]fluoranthene	ND		0.94	
218-01-9	Chrysene	ND		0.94	
53-70-3	Dibenz(a,h)anthracene	ND		0.94	
206-44-0	Fluoranthene	ND		0.94	
86-73-7	Fluorene	1.0		0.94	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.94	
91-20-3	Naphthalene	ND		0.94	
85-01-8	Phenanthrene	ND		0.94	
129-00-0	Pyrene	ND		0.94	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	47		50-104
4165-60-0	Nitrobenzene-d5	35		46-109
1718-51-0	Terphenyl-d14	68		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-05</u>	Lab Sample ID: <u>440-143186-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040619.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 09:58</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1055(mL)</u>	Date Analyzed: <u>04/06/2016 17:48</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		50-104
4165-60-0	Nitrobenzene-d5	64		46-109
1718-51-0	Terphenyl-d14	64		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-19</u>	Lab Sample ID: <u>440-143186-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040620.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 14:14</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1055(mL)</u>	Date Analyzed: <u>04/06/2016 18:09</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>0.5(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.80		0.38	
208-96-8	Acenaphthylene	ND		0.38	
120-12-7	Anthracene	ND		0.38	
56-55-3	Benzo[a]anthracene	ND		0.38	
50-32-8	Benzo[a]pyrene	ND		0.38	
205-99-2	Benzo[b]fluoranthene	ND		0.38	
191-24-2	Benzo[g,h,i]perylene	ND		0.38	
207-08-9	Benzo[k]fluoranthene	ND		0.38	
218-01-9	Chrysene	ND		0.38	
53-70-3	Dibenz(a,h)anthracene	ND		0.38	
206-44-0	Fluoranthene	ND		0.38	
86-73-7	Fluorene	2.2		0.38	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.38	
91-20-3	Naphthalene	4.9		0.38	
85-01-8	Phenanthrene	1.1		0.38	
129-00-0	Pyrene	0.40		0.38	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	90		50-104
4165-60-0	Nitrobenzene-d5	58		46-109
1718-51-0	Terphenyl-d14	74		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-20</u>	Lab Sample ID: <u>440-143186-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040621.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>03/30/2016 10:42</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1060 (mL)</u>	Date Analyzed: <u>04/06/2016 18:38</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>4</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	1.5		0.75	
208-96-8	Acenaphthylene	ND		0.75	
120-12-7	Anthracene	ND		0.75	
56-55-3	Benzo[a]anthracene	ND		0.75	
50-32-8	Benzo[a]pyrene	ND		0.75	
205-99-2	Benzo[b]fluoranthene	ND		0.75	
191-24-2	Benzo[g,h,i]perylene	ND		0.75	
207-08-9	Benzo[k]fluoranthene	ND		0.75	
218-01-9	Chrysene	ND		0.75	
53-70-3	Dibenz(a,h)anthracene	ND		0.75	
206-44-0	Fluoranthene	ND		0.75	
86-73-7	Fluorene	4.6		0.75	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.75	
91-20-3	Naphthalene	14		0.75	
85-01-8	Phenanthrene	6.1		0.75	
129-00-0	Pyrene	2.2		0.75	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	42		50-104
4165-60-0	Nitrobenzene-d5	148		46-109
1718-51-0	Terphenyl-d14	68		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-22</u>	Lab Sample ID: <u>440-143186-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>J041204.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: <u>04/01/2016 15:22</u>
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/07/2016 09:52</u>
Sample wt/vol: <u>1040 (mL)</u>	Date Analyzed: <u>04/12/2016 18:01</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>323808</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.19	
208-96-8	Acenaphthylene	ND		0.19	
120-12-7	Anthracene	ND		0.19	
56-55-3	Benzo[a]anthracene	ND		0.19	
50-32-8	Benzo[a]pyrene	ND		0.19	
205-99-2	Benzo[b]fluoranthene	ND		0.19	
191-24-2	Benzo[g,h,i]perylene	ND		0.19	
207-08-9	Benzo[k]fluoranthene	ND		0.19	
218-01-9	Chrysene	ND		0.19	
53-70-3	Dibenz(a,h)anthracene	ND		0.19	
206-44-0	Fluoranthene	ND		0.19	
86-73-7	Fluorene	ND		0.19	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	
91-20-3	Naphthalene	ND		0.19	
85-01-8	Phenanthrene	ND		0.19	
129-00-0	Pyrene	ND		0.19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	24		50-104
4165-60-0	Nitrobenzene-d5	31		46-109
1718-51-0	Terphenyl-d14	68		28-124

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	0.9901 1.1816	1.0116 1.1993	0.9792 1.2241	1.0941 1.2337	1.1295	Ave		1.1159				9.1		15.0			
2-Methylnaphthalene	++++ 0.8542	0.7785 0.8878	0.6587 0.9470	0.8163 0.9598	0.7973	Ave		0.8374				11.7		15.0			
1-Methylnaphthalene	0.6357 0.8559	0.6962 0.8190	0.9521 0.9268	0.9346 0.9118	0.8072	Ave		0.8377				13.2		15.0			
Acenaphthylene	1.6019 1.8529	1.6468 1.9013	1.7514 1.9219	1.7914 2.0451	1.8597	Ave		1.8192				7.6		15.0			
Acenaphthene	0.9229 1.0848	0.9823 1.1244	1.0246 1.1603	1.0265 1.2105	1.1006	Ave		1.0708				8.4		15.0			
Fluorene	1.0959 1.5402	1.3206 1.5860	1.3247 1.6724	1.3890 1.7694	1.5457	Ave		1.4715				14.1		15.0			
Phenanthrene	0.9276 1.1228	0.9118 1.0941	0.9470 1.0941	1.0435 1.1219	1.0741	Ave		1.0374				8.2		15.0			
Anthracene	0.8833 1.3021	0.9336 1.2132	0.9475 1.2127	1.2429 1.1824	1.1588	Ave		1.1196				13.8		15.0			
Fluoranthene	1.6020 1.7793	1.4888 1.6786	1.6524 1.6914	1.8047 1.5180	1.7432	Ave		1.6620				6.6		15.0			
Pyrene	1.7051 1.8109	1.6244 1.7359	1.5741 1.7376	1.9081 1.4464	1.7991	Ave		1.7046				8.1		15.0			
Benzo[a]anthracene	1.1525 1.1818	1.1774 1.1845	1.1979 1.2022	1.1601 1.1818	1.1581	Ave		1.1774				1.5		15.0			
Chrysene	0.9440 1.2076	1.1516 1.1619	1.2694 1.1734	1.1177 1.1356	1.1088	Ave		1.1411				7.8		15.0			
Benzo[b]fluoranthene	1.1702 1.2149	1.2864 1.2970	1.1378 1.3215	1.1914 1.3230	1.2475	Ave		1.2433				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321454
SDG No.: _____
Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Benzo[k]fluoranthene	1.1521 1.4528	1.0933 1.4603	1.2899 1.4489	1.3874 1.4676	1.3544	Ave		1.3452				10.4		15.0			
Benzo[a]pyrene	1.2586 1.2780	1.1643 1.2968	1.1823 1.3340	1.2188 1.3241	1.2400	Ave		1.2552				4.7		15.0			
Indeno[1,2,3-cd]pyrene	1.8059 1.6131	1.8120 1.5663	1.7522 1.5865	1.5980 1.5593	1.5387	Ave		1.6480				6.7		15.0			
Dibenz(a,h)anthracene	1.4314 1.4066	1.2434 1.3949	1.3240 1.4103	1.3812 1.4202	1.3414	Ave		1.3726				4.4		15.0			
Benzo[g,h,i]perylene	1.3002 1.1438	1.3586 1.0522	1.4526 1.0045	1.2114 0.9428	1.1070	Ave		1.1748				14.5		15.0			
Nitrobenzene-d5	+++++ 0.4466	+++++ 0.5332	0.4607 0.5724	0.4251 0.5709	0.5161	Ave		0.5036				11.9		15.0			
2-Fluorobiphenyl (Surr)	1.3053 1.5980	1.3959 1.7159	1.2678 1.7272	1.4263 1.7775	1.5828	Ave		1.5330				12.4		15.0			
Terphenyl-d14	1.0722 0.8399	0.9194 0.9118	0.9856 0.8941	0.9669 0.8613	0.8014	Ave		0.9170				9.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD50 440-321454/2	J033102.D
Level 2	STD100 440-321454/3	J033103.D
Level 3	STD250 440-321454/4	J033104.D
Level 4	STD500 440-321454/5	J033105.D
Level 5	ICIS 440-321454/1	J033101.D
Level 6	STD2500 440-321454/6	J033106.D
Level 7	STD5000 440-321454/7	J033107.D
Level 8	STD10000 440-321454/8	J033108.D
Level 9	STD20000 440-321454/9	J033109.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	NPT	Ave	1542 72696	3198 246926	4986 302414	18561 862881	75012	50.0 2500	100 5000	250 10000	500 20000	1000
2-Methylnaphthalene	NPT	Ave	++++ 52552	2461 182801	3354 233965	13849 671357	52949	++++ 2500	100 5000	250 10000	500 20000	1000
1-Methylnaphthalene	NPT	Ave	990 52660	2201 168641	4848 228972	15856 637745	53612	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthylene	ANT	Ave	2371 104863	4917 322243	8032 427429	28509 1245358	97681	50.0 2500	100 5000	250 10000	500 20000	1000
Acenaphthene	ANT	Ave	1366 61396	2933 190567	4699 258042	16335 737116	57807	50.0 2500	100 5000	250 10000	500 20000	1000
Fluorene	ANT	Ave	1622 87168	3943 268814	6075 371940	22105 1077517	81185	50.0 2500	100 5000	250 10000	500 20000	1000
Phenanthrene	PHN	Ave	3219 139227	6233 452334	11071 633447	36882 1803362	133516	50.0 2500	100 5000	250 10000	500 20000	1000
Anthracene	PHN	Ave	3065 161463	6382 501564	11076 702065	43931 1900472	144045	50.0 2500	100 5000	250 10000	500 20000	1000
Fluoranthene	PHN	Ave	5559 220646	10178 693952	19317 979229	63788 2439992	216685	50.0 2500	100 5000	250 10000	500 20000	1000
Pyrene	PHN	Ave	5917 224557	11105 717667	18401 1005979	67445 2324832	223635	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[a]anthracene	CRY	Ave	6886 246449	13224 803570	22282 1135590	73134 3269171	259210	50.0 2500	100 5000	250 10000	500 20000	1000
Chrysene	CRY	Ave	5640 251839	12934 788223	23611 1108382	70460 3141360	248185	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[b]fluoranthene	PRY	Ave	7455 280267	15808 911508	23080 1307963	78972 3536496	297120	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[k]fluoranthene	PRY	Ave	7340 335147	13435 1026243	26164 1433970	91964 3923010	322572	50.0 2500	100 5000	250 10000	500 20000	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Irvine Job No.: 440-143186-1 Analy Batch No.: 321454

SDG No.: _____

Instrument ID: GCMS65 GC Column: ZB-5MS A ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2016 11:52 Calibration End Date: 03/31/2016 14:36 Calibration ID: 13939

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzo[a]pyrene	PRY	Ave	8018 294818	14307 911371	23981 1320292	80790 3539448	295324	50.0 2500	100 5000	250 10000	500 20000	1000
Indeno[1,2,3-cd]pyrene	PRY	Ave	11505 372136	22267 1100794	35541 1570189	105925 4168160	366468	50.0 2500	100 5000	250 10000	500 20000	1000
Dibenz(a,h)anthracene	PRY	Ave	9119 324498	15279 980311	26856 1395789	91554 3796339	319476	50.0 2500	100 5000	250 10000	500 20000	1000
Benzo[g,h,i]perylene	PRY	Ave	8283 263867	16695 739466	29464 994162	80298 2520303	263660	50.0 2500	100 5000	250 10000	500 20000	1000
Nitrobenzene-d5	NPT	Ave	++++ 27474	++++ 109781	2346 141407	7212 399276	34276	++++ 2500	++++ 5000	250 10000	500 20000	1000
2-Fluorobiphenyl (Surr)	ANT	Ave	1932 90440	4168 290827	5814 384137	22698 1082418	83134	50.0 2500	100 5000	250 10000	500 20000	1000
Terphenyl-d14	CRY	Ave	6406 175158	10327 618567	18333 844554	60955 2382614	179384	50.0 2500	100 5000	250 10000	500 20000	1000

Curve Type Legend:

Ave = Average ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID (1): CCVIS 440-322558/1 Instrument ID (1): GCMS65
 GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/06/2016 11:20

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.70	100.0
Naphthalene	5.42	100.0
2-Fluorobiphenyl (Surr)	6.48	100.0
Acenaphthylene	6.99	100.0
Acenaphthene	7.14	100.0
Fluorene	7.59	100.0
Phenanthrene	8.38	100.0
Anthracene	8.42	100.0
Fluoranthene	9.32	100.0
Pyrene	9.50	100.0
Terphenyl-d14	9.60	100.0
Benzo[a]anthracene	10.51	100.0
Chrysene	10.55	100.0
Benzo[b]fluoranthene	12.06	68.50
Benzo[k]fluoranthene	12.11	100.0
Benzo[a]pyrene	12.73	100.0
Indeno[1,2,3-cd]pyrene	14.57	100.0
Dibenz(a,h)anthracene	14.59	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-323269/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/10/2016 00:36

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.69	100.0
Naphthalene	5.41	100.0
2-Fluorobiphenyl (Surr)	6.46	100.0
Acenaphthylene	6.98	100.0
Acenaphthene	7.13	100.0
Fluorene	7.58	100.0
Phenanthrene	8.37	100.0
Anthracene	8.41	100.0
Fluoranthene	9.30	100.0
Pyrene	9.49	100.0
Terphenyl-d14	9.59	100.0
Benzo[a]anthracene	10.49	100.0
Chrysene	10.53	100.0
Benzo[b]fluoranthene	12.03	64.20
Benzo[k]fluoranthene	12.08	100.0
Benzo[a]pyrene	12.69	100.0
Indeno[1,2,3-cd]pyrene	14.54	100.0
Dibenz(a,h)anthracene	14.55	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-323808/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/12/2016 16:59

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.70	100.0
Naphthalene	5.42	100.0
2-Fluorobiphenyl (Surr)	6.48	100.0
Acenaphthylene	6.99	100.0
Acenaphthene	7.15	100.0
Fluorene	7.60	100.0
Phenanthrene	8.38	100.0
Anthracene	8.43	100.0
Fluoranthene	9.31	100.0
Pyrene	9.50	100.0
Terphenyl-d14	9.60	100.0
Benzo[a]anthracene	10.51	100.0
Chrysene	10.55	100.0
Benzo[b]fluoranthene	12.06	59.50
Benzo[k]fluoranthene	12.11	100.0
Benzo[a]pyrene	12.73	100.0
Indeno[1,2,3-cd]pyrene	14.57	100.0
Dibenz(a,h)anthracene	14.58	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Lab Sample ID (1): CCVIS 440-324076/1 Instrument ID (1): GCMS65
GC Column (1): ZB-5MS A ID: 0.18 (mm) Date Analyzed (1): 04/13/2016 16:46

ANALYTE	RT	RESOLUTION (%)
Nitrobenzene-d5	4.68	100.0
Naphthalene	5.40	100.0
2-Fluorobiphenyl (Surr)	6.45	100.0
Acenaphthylene	6.97	100.0
Acenaphthene	7.12	100.0
Fluorene	7.58	100.0
Phenanthrene	8.36	100.0
Anthracene	8.41	100.0
Fluoranthene	9.29	100.0
Pyrene	9.46	100.0
Terphenyl-d14	9.56	100.0
Benzo[a]anthracene	10.47	100.0
Chrysene	10.51	100.0
Benzo[b]fluoranthene	12.00	60.60
Benzo[k]fluoranthene	12.05	100.0
Benzo[a]pyrene	12.66	100.0
Indeno[1,2,3-cd]pyrene	14.52	100.0
Dibenz(a,h)anthracene	14.54	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICV 440-321454/10 Calibration Date: 03/31/2016 14:57
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J033110.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.133		1.02	1.00	1.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.8305		0.992	1.00	-0.8	20.0
1-Methylnaphthalene	Ave	0.8377	0.8337		0.995	1.00	-0.5	20.0
Acenaphthylene	Ave	1.819	1.798		0.988	1.00	-1.2	20.0
Acenaphthene	Ave	1.071	1.095		1.02	1.00	2.3	20.0
Fluorene	Ave	1.472	1.589		1.08	1.00	8.0	20.0
Phenanthrene	Ave	1.037	1.019		0.982	1.00	-1.8	20.0
Anthracene	Ave	1.120	1.209		1.08	1.00	8.0	20.0
Fluoranthene	Ave	1.662	1.693		1.02	1.00	1.8	20.0
Pyrene	Ave	1.705	1.734		1.02	1.00	1.7	20.0
Benzo[a]anthracene	Ave	1.177	1.153		0.979	1.00	-2.1	20.0
Chrysene	Ave	1.141	1.282		1.12	1.00	12.3	20.0
Benzo[b]fluoranthene	Ave	1.243	1.269		1.02	1.00	2.1	20.0
Benzo[k]fluoranthene	Ave	1.345	1.472		1.09	1.00	9.5	20.0
Benzo[a]pyrene	Ave	1.255	1.300		1.04	1.00	3.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.619		0.983	1.00	-1.7	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.463		1.07	1.00	6.6	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.238		1.05	1.00	5.4	20.0
Nitrobenzene-d5	Ave	0.5036	0.4573		0.908	1.00	-9.2	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.613		1.05	1.00	5.2	20.0
Terphenyl-d14	Ave	0.9170	0.8397		0.916	1.00	-8.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-322558/1 Calibration Date: 04/06/2016 11:20
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.100		0.985	1.00	-1.5	20.0
2-Methylnaphthalene	Ave	0.8374	0.8166		0.975	1.00	-2.5	20.0
1-Methylnaphthalene	Ave	0.8377	0.7773		0.928	1.00	-7.2	20.0
Acenaphthylene	Ave	1.819	1.809		0.995	1.00	-0.5	20.0
Acenaphthene	Ave	1.071	1.077		1.01	1.00	0.6	20.0
Fluorene	Ave	1.472	1.579		1.07	1.00	7.3	20.0
Phenanthrene	Ave	1.037	1.069		1.03	1.00	3.0	20.0
Anthracene	Ave	1.120	1.171		1.05	1.00	4.6	20.0
Fluoranthene	Ave	1.662	1.632		0.982	1.00	-1.8	20.0
Pyrene	Ave	1.705	1.699		0.997	1.00	-0.3	20.0
Benzo[a]anthracene	Ave	1.177	1.146		0.973	1.00	-2.7	20.0
Chrysene	Ave	1.141	1.176		1.03	1.00	3.0	20.0
Benzo[b]fluoranthene	Ave	1.243	1.323		1.06	1.00	6.4	20.0
Benzo[k]fluoranthene	Ave	1.345	1.557		1.16	1.00	15.7	20.0
Benzo[a]pyrene	Ave	1.255	1.257		1.00	1.00	0.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.484		0.901	1.00	-9.9	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.277		0.931	1.00	-6.9	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.179		1.00	1.00	0.4	20.0
Nitrobenzene-d5	Ave	0.5036	0.4856		0.964	1.00	-3.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.511		0.986	1.00	-1.4	20.0
Terphenyl-d14	Ave	0.9170	0.9173		1.00	1.00	0.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323269/1 Calibration Date: 04/10/2016 00:36
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J040901.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.145		1.03	1.00	2.6	20.0
2-Methylnaphthalene	Ave	0.8374	0.7929		0.947	1.00	-5.3	20.0
1-Methylnaphthalene	Ave	0.8377	0.8315		0.993	1.00	-0.7	20.0
Acenaphthylene	Ave	1.819	1.787		0.982	1.00	-1.8	20.0
Acenaphthene	Ave	1.071	1.079		1.01	1.00	0.7	20.0
Fluorene	Ave	1.472	1.497		1.02	1.00	1.7	20.0
Phenanthrene	Ave	1.037	1.037		0.999	1.00	-0.0	20.0
Anthracene	Ave	1.120	1.166		1.04	1.00	4.2	20.0
Fluoranthene	Ave	1.662	1.677		1.01	1.00	0.9	20.0
Pyrene	Ave	1.705	1.736		1.02	1.00	1.9	20.0
Benzo[a]anthracene	Ave	1.177	1.123		0.954	1.00	-4.6	20.0
Chrysene	Ave	1.141	1.185		1.04	1.00	3.9	20.0
Benzo[b]fluoranthene	Ave	1.243	1.187		0.954	1.00	-4.6	20.0
Benzo[k]fluoranthene	Ave	1.345	1.519		1.13	1.00	13.0	20.0
Benzo[a]pyrene	Ave	1.255	1.253		0.999	1.00	-0.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.658		1.01	1.00	0.6	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.424		1.04	1.00	3.7	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.312		1.12	1.00	11.7	20.0
Nitrobenzene-d5	Ave	0.5036	0.5039		1.00	1.00	0.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.585		1.03	1.00	3.4	20.0
Terphenyl-d14	Ave	0.9170	0.8386		0.915	1.00	-8.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-323808/1 Calibration Date: 04/12/2016 16:59
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J041201.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.182		1.06	1.00	5.9	20.0
2-Methylnaphthalene	Ave	0.8374	0.7692		0.919	1.00	-8.1	20.0
1-Methylnaphthalene	Ave	0.8377	0.8745		1.04	1.00	4.4	20.0
Acenaphthylene	Ave	1.819	1.780		0.978	1.00	-2.2	20.0
Acenaphthene	Ave	1.071	1.026		0.958	1.00	-4.2	20.0
Fluorene	Ave	1.472	1.464		0.995	1.00	-0.5	20.0
Phenanthrene	Ave	1.037	1.023		0.986	1.00	-1.4	20.0
Anthracene	Ave	1.120	1.207		1.08	1.00	7.8	20.0
Fluoranthene	Ave	1.662	1.681		1.01	1.00	1.1	20.0
Pyrene	Ave	1.705	1.751		1.03	1.00	2.7	20.0
Benzo[a]anthracene	Ave	1.177	1.131		0.961	1.00	-3.9	20.0
Chrysene	Ave	1.141	1.207		1.06	1.00	5.8	20.0
Benzo[b]fluoranthene	Ave	1.243	1.216		0.978	1.00	-2.2	20.0
Benzo[k]fluoranthene	Ave	1.345	1.396		1.04	1.00	3.8	20.0
Benzo[a]pyrene	Ave	1.255	1.263		1.01	1.00	0.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.537		0.933	1.00	-6.7	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.360		0.991	1.00	-0.9	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.107		0.942	1.00	-5.8	20.0
Nitrobenzene-d5	Ave	0.5036	0.4459		0.886	1.00	-11.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.512		0.986	1.00	-1.4	20.0
Terphenyl-d14	Ave	0.9170	0.8373		0.913	1.00	-8.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 440-324076/1 Calibration Date: 04/13/2016 16:46
 Instrument ID: GCMS65 Calib Start Date: 03/31/2016 11:52
 GC Column: ZB-5MS A ID: 0.18 (mm) Calib End Date: 03/31/2016 14:36
 Lab File ID: J041301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.116	1.069		0.958	1.00	-4.2	20.0
2-Methylnaphthalene	Ave	0.8374	0.7667		0.916	1.00	-8.4	20.0
1-Methylnaphthalene	Ave	0.8377	0.7964		0.951	1.00	-4.9	20.0
Acenaphthylene	Ave	1.819	1.843		1.01	1.00	1.3	20.0
Acenaphthene	Ave	1.071	1.061		0.991	1.00	-0.9	20.0
Fluorene	Ave	1.472	1.515		1.03	1.00	2.9	20.0
Phenanthrene	Ave	1.037	1.013		0.977	1.00	-2.3	20.0
Anthracene	Ave	1.120	1.172		1.05	1.00	4.7	20.0
Fluoranthene	Ave	1.662	1.659		0.998	1.00	-0.2	20.0
Pyrene	Ave	1.705	1.709		1.00	1.00	0.3	20.0
Benzo[a]anthracene	Ave	1.177	1.169		0.993	1.00	-0.7	20.0
Chrysene	Ave	1.141	1.173		1.03	1.00	2.8	20.0
Benzo[b]fluoranthene	Ave	1.243	1.215		0.977	1.00	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.345	1.424		1.06	1.00	5.9	20.0
Benzo[a]pyrene	Ave	1.255	1.240		0.988	1.00	-1.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.648	1.580		0.958	1.00	-4.2	20.0
Dibenz(a,h)anthracene	Ave	1.373	1.320		0.962	1.00	-3.8	20.0
Benzo[g,h,i]perylene	Ave	1.175	1.216		1.03	1.00	3.5	20.0
Nitrobenzene-d5	Ave	0.5036	0.4460		0.886	1.00	-11.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.533	1.530		0.998	1.00	-0.2	20.0
Terphenyl-d14	Ave	0.9170	0.8674		0.946	1.00	-5.4	30.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Irvine</u>	Job No.: <u>440-143186-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 440-322273/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>J040602.D</u>
Analysis Method: <u>8270C SIM</u>	Date Collected: _____
Extract. Method: <u>3520C</u>	Date Extracted: <u>04/05/2016 10:08</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>04/06/2016 11:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>0.5 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322558</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	93		50-104
4165-60-0	Nitrobenzene-d5	69		46-109
1718-51-0	Terphenyl-d14	85		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 440-322773/1-A
 Matrix: Water Lab File ID: J040902.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/10/2016 00:57
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 323269 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	ND		0.20	
208-96-8	Acenaphthylene	ND		0.20	
120-12-7	Anthracene	ND		0.20	
56-55-3	Benzo[a]anthracene	ND		0.20	
50-32-8	Benzo[a]pyrene	ND		0.20	
205-99-2	Benzo[b]fluoranthene	ND		0.20	
191-24-2	Benzo[g,h,i]perylene	ND		0.20	
207-08-9	Benzo[k]fluoranthene	ND		0.20	
218-01-9	Chrysene	ND		0.20	
53-70-3	Dibenz(a,h)anthracene	ND		0.20	
206-44-0	Fluoranthene	ND		0.20	
86-73-7	Fluorene	ND		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	
91-20-3	Naphthalene	ND		0.20	
85-01-8	Phenanthrene	ND		0.20	
129-00-0	Pyrene	ND		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		50-104
4165-60-0	Nitrobenzene-d5	70		46-109
1718-51-0	Terphenyl-d14	76		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-322273/2-A
 Matrix: Water Lab File ID: J040603.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/05/2016 10:08
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/06/2016 12:01
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 322558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.768		0.20	
208-96-8	Acenaphthylene	0.756		0.20	
120-12-7	Anthracene	0.836		0.20	
56-55-3	Benzo[a]anthracene	0.799		0.20	
50-32-8	Benzo[a]pyrene	0.812		0.20	
205-99-2	Benzo[b]fluoranthene	0.914		0.20	
191-24-2	Benzo[g,h,i]perylene	0.782		0.20	
207-08-9	Benzo[k]fluoranthene	0.962		0.20	
218-01-9	Chrysene	0.875		0.20	
53-70-3	Dibenz(a,h)anthracene	0.714		0.20	
206-44-0	Fluoranthene	0.827		0.20	
86-73-7	Fluorene	0.885		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.696		0.20	
91-20-3	Naphthalene	0.734		0.20	
85-01-8	Phenanthrene	0.808		0.20	
129-00-0	Pyrene	0.806		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		50-104
4165-60-0	Nitrobenzene-d5	59		46-109
1718-51-0	Terphenyl-d14	92		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 440-322773/2-A
 Matrix: Water Lab File ID: J041302.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/13/2016 17:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 324076 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.667		0.20	
208-96-8	Acenaphthylene	0.636		0.20	
120-12-7	Anthracene	0.725		0.20	
56-55-3	Benzo[a]anthracene	0.657		0.20	
50-32-8	Benzo[a]pyrene	0.710		0.20	
205-99-2	Benzo[b]fluoranthene	0.713		0.20	
191-24-2	Benzo[g,h,i]perylene	0.868		0.20	
207-08-9	Benzo[k]fluoranthene	0.816		0.20	
218-01-9	Chrysene	0.770		0.20	
53-70-3	Dibenz(a,h)anthracene	0.770		0.20	
206-44-0	Fluoranthene	0.736		0.20	
86-73-7	Fluorene	0.685		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.747		0.20	
91-20-3	Naphthalene	0.577		0.20	
85-01-8	Phenanthrene	0.684		0.20	
129-00-0	Pyrene	0.725		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		50-104
4165-60-0	Nitrobenzene-d5	50		46-109
1718-51-0	Terphenyl-d14	72		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 440-322273/3-A
 Matrix: Water Lab File ID: J040604.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/05/2016 10:08
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/06/2016 12:22
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 322558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.781		0.20	
208-96-8	Acenaphthylene	0.772		0.20	
120-12-7	Anthracene	0.811		0.20	
56-55-3	Benzo[a]anthracene	0.845		0.20	
50-32-8	Benzo[a]pyrene	0.885		0.20	
205-99-2	Benzo[b]fluoranthene	0.996		0.20	
191-24-2	Benzo[g,h,i]perylene	0.915		0.20	
207-08-9	Benzo[k]fluoranthene	1.12		0.20	
218-01-9	Chrysene	0.941		0.20	
53-70-3	Dibenz(a,h)anthracene	0.855		0.20	
206-44-0	Fluoranthene	0.883		0.20	
86-73-7	Fluorene	0.902		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.815		0.20	
91-20-3	Naphthalene	0.718		0.20	
85-01-8	Phenanthrene	0.847		0.20	
129-00-0	Pyrene	0.837		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	83		50-104
4165-60-0	Nitrobenzene-d5	70		46-109
1718-51-0	Terphenyl-d14	100		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 440-322773/3-A
 Matrix: Water Lab File ID: J040904.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 04/07/2016 09:52
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/10/2016 01:38
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 0.5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 323269 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
83-32-9	Acenaphthene	0.641		0.20	
208-96-8	Acenaphthylene	0.628		0.20	
120-12-7	Anthracene	0.690		0.20	
56-55-3	Benzo[a]anthracene	0.689		0.20	
50-32-8	Benzo[a]pyrene	0.724		0.20	
205-99-2	Benzo[b]fluoranthene	0.740		0.20	
191-24-2	Benzo[g,h,i]perylene	0.911		0.20	
207-08-9	Benzo[k]fluoranthene	0.790		0.20	
218-01-9	Chrysene	0.831		0.20	
53-70-3	Dibenz(a,h)anthracene	0.778		0.20	
206-44-0	Fluoranthene	0.765		0.20	
86-73-7	Fluorene	0.680		0.20	
193-39-5	Indeno[1,2,3-cd]pyrene	0.760		0.20	
91-20-3	Naphthalene	0.544		0.20	
85-01-8	Phenanthrene	0.699		0.20	
129-00-0	Pyrene	0.729		0.20	

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		50-104
4165-60-0	Nitrobenzene-d5	49		46-109
1718-51-0	Terphenyl-d14	75		28-124

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 03/31/2016 11:52Analysis Batch Number: 321454End Date: 03/31/2016 17:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICIS 440-321454/1		03/31/2016 11:52	1	J033101.D	ZB-5MS A 0.18 (mm)
STD50 440-321454/2 IC		03/31/2016 12:12	1	J033102.D	ZB-5MS A 0.18 (mm)
STD100 440-321454/3 IC		03/31/2016 12:33	1	J033103.D	ZB-5MS A 0.18 (mm)
STD250 440-321454/4 IC		03/31/2016 12:53	1	J033104.D	ZB-5MS A 0.18 (mm)
STD500 440-321454/5 IC		03/31/2016 13:14	1	J033105.D	ZB-5MS A 0.18 (mm)
STD2500 440-321454/6 IC		03/31/2016 13:35	1	J033106.D	ZB-5MS A 0.18 (mm)
STD5000 440-321454/7 IC		03/31/2016 13:55	1	J033107.D	ZB-5MS A 0.18 (mm)
STD10000 440-321454/8 IC		03/31/2016 14:16	1	J033108.D	ZB-5MS A 0.18 (mm)
STD20000 440-321454/9 IC		03/31/2016 14:36	1	J033109.D	ZB-5MS A 0.18 (mm)
ICV 440-321454/10		03/31/2016 14:57	1	J033110.D	ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:18	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 15:59	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:20	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 16:41	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:01	1		ZB-5MS A 0.18 (mm)
ZZZZZ		03/31/2016 17:22	2.5		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/06/2016 11:20Analysis Batch Number: 322558End Date: 04/06/2016 22:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-322558/1		04/06/2016 11:20	1	J040601.D	ZB-5MS A 0.18 (mm)
MB 440-322273/1-A		04/06/2016 11:41	1	J040602.D	ZB-5MS A 0.18 (mm)
LCS 440-322273/2-A		04/06/2016 12:01	1	J040603.D	ZB-5MS A 0.18 (mm)
LCSD 440-322273/3-A		04/06/2016 12:22	1	J040604.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 12:43	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:03	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:24	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 13:45	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 14:05	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 14:26	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 14:47	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 15:07	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 15:28	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 15:49	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 16:09	1		ZB-5MS A 0.18 (mm)
440-143186-1		04/06/2016 16:30	1	J040616.D	ZB-5MS A 0.18 (mm)
440-143186-2		04/06/2016 17:07	2	J040617.D	ZB-5MS A 0.18 (mm)
440-143186-4		04/06/2016 17:48	1	J040619.D	ZB-5MS A 0.18 (mm)
440-143186-5		04/06/2016 18:09	2	J040620.D	ZB-5MS A 0.18 (mm)
440-143186-6		04/06/2016 18:38	4	J040621.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 21:33	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 21:54	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/06/2016 22:14	1		ZB-5MS A 0.18 (mm)
440-143186-3		04/06/2016 22:35	5	J040627.D	ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica IrvineJob No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65Start Date: 04/10/2016 00:36Analysis Batch Number: 323269End Date: 04/10/2016 12:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-323269/1		04/10/2016 00:36	1	J040901.D	ZB-5MS A 0.18 (mm)
MB 440-322773/1-A		04/10/2016 00:57	1	J040902.D	ZB-5MS A 0.18 (mm)
LCSD 440-322773/3-A		04/10/2016 01:38	1	J040904.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 01:58	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:19	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 02:39	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 03:00	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 03:21	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:22	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 04:43	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:04	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:24	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 05:45	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:06	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:26	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 06:47	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:08	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:28	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 07:49	5		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:09	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:30	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 08:51	4		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 09:52	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:13	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:33	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 10:54	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:15	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:35	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 11:56	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:16	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/10/2016 12:37	10		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Start Date: 04/12/2016 16:59Analysis Batch Number: 323808 End Date: 04/12/2016 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-323808/1		04/12/2016 16:59	1	J041201.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 17:40	1		ZB-5MS A 0.18 (mm)
440-143186-7		04/12/2016 18:01	1	J041204.D	ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 18:21	25		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 18:42	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:02	10		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:23	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 19:43	2		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:04	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:24	1		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 20:45	40		ZB-5MS A 0.18 (mm)
ZZZZZ		04/12/2016 21:06	200		ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: GCMS65 Start Date: 04/13/2016 16:46Analysis Batch Number: 324076 End Date: 04/13/2016 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 440-324076/1		04/13/2016 16:46	1	J041301.D	ZB-5MS A 0.18 (mm)
LCS 440-322773/2-A		04/13/2016 17:07	1	J041302.D	ZB-5MS A 0.18 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 322273 Batch Start Date: 04/05/16 10:08 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322273/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322273/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCSD 440-322273/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143186-E-1	MW-01	3520C, 8270C SIM	T	1565 g	490 g	1075 mL	1 mL	7	>7
440-143186-E-2	MW-03	3520C, 8270C SIM	T	1550 g	490 g	1060 mL	1 mL	7	>7
440-143186-E-3	MW-04	3520C, 8270C SIM	T	1550 g	485 g	1065 mL	1 mL	7	>7
440-143186-E-4	MW-05	3520C, 8270C SIM	T	1540 g	485 g	1055 mL	1 mL	7	>7
440-143186-E-5	MW-19	3520C, 8270C SIM	T	1540 g	485 g	1055 mL	1 mL	7	>7
440-143186-E-6	MW-20	3520C, 8270C SIM	T	1540 g	480 g	1060 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322273/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322273/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCSD 440-322273/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143186-E-1	MW-01	3520C, 8270C SIM	T		0.5 mL				
440-143186-E-2	MW-03	3520C, 8270C SIM	T		0.5 mL				
440-143186-E-3	MW-04	3520C, 8270C SIM	T		0.5 mL				
440-143186-E-4	MW-05	3520C, 8270C SIM	T		0.5 mL				
440-143186-E-5	MW-19	3520C, 8270C SIM	T		0.5 mL				
440-143186-E-6	MW-20	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270C SIM

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 322273 Batch Start Date: 04/05/16 10:08 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Balance ID	68
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Sartorius 14155
Extraction 1 End Time	4/6 6:28
Extraction 1 Start Time	4/5 11:59
N-evap ID	RAPIDVAPS 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MeCl2
Person's name who did the prep	GY
Vial ID	15350167

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 440-322773/1		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/2		3520C, 8270C SIM				1000 mL	1 mL		>7
LCS 440-322773/3		3520C, 8270C SIM				1000 mL	1 mL		>7
440-143186-E-7	MW-22	3520C, 8270C SIM	T	1545 g	505 g	1040 mL	1 mL	7	>7

Lab Sample ID	Client Sample ID	Method Chain	Basis	SVWLE 00010	SVWSE 00015	AnalysisComment			
MB 440-322773/1		3520C, 8270C SIM			0.5 mL	SIM PAH			
LCS 440-322773/2		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
LCS 440-322773/3		3520C, 8270C SIM		0.5 mL	0.5 mL	SIM PAH			
440-143186-E-7	MW-22	3520C, 8270C SIM	T		0.5 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 322773 Batch Start Date: 04/07/16 09:52 Batch Analyst: Yu, Garrick CBatch Method: 3520C Batch End Date: _____

Batch Notes	
Balance ID	68
Base used for pH adjustment	NaOH
Base Used to Adjust pH ID	2318996
Batch Comment	SIM PAH
Analyst ID - Concentration	GY
Filter Paper ID	Sartorius 14155
Extraction 1 End Time	4/8 5:50
Extraction 1 Start Time	4/7 10:53
N-evap ID	RAPIDVAPS 02-05,07
N-evap Temperature	40 Celsius
Na2SO4 ID	2354214
pH Paper ID	EMD HC431565
Prep Solvent ID	2318965
Prep Solvent Name	MeCl2
Person's name who did the prep	GY
Vial ID	15350516

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

Project: EQPL Basin Jal Pump Station

Client Sample ID	Lab Sample ID
MW-01	440-143186-1
MW-03	440-143186-2
MW-04	440-143186-3
MW-05	440-143186-4
MW-19	440-143186-5
MW-20	440-143186-6
MW-22	440-143186-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-01

Lab Sample ID: 440-143186-1

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 08:40

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	0.014	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.030	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	0.013	0.010		mg/L			1	6010B
7782-49-2	Selenium	0.024	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.057	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-03

Lab Sample ID: 440-143186-2

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 12:40

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.048	0.010		mg/L			1	6010B
7440-39-3	Barium	0.91	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	0.013	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.036	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-04

Lab Sample ID: 440-143186-3

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 11:07

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.36	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.018	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-05

Lab Sample ID: 440-143186-4

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 09:58

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.014	0.010		mg/L			1	6010B
7440-39-3	Barium	0.075	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.058	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-19

Lab Sample ID: 440-143186-5

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 14:14

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.016	0.010		mg/L			1	6010B
7440-39-3	Barium	1.4	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	0.011	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.012	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-20

Lab Sample ID: 440-143186-6

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 03/30/2016 10:42

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	0.023	0.010		mg/L			1	6010B
7440-39-3	Barium	4.3	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	ND	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-22

Lab Sample ID: 440-143186-7

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG ID.:

Matrix: Water

Date Sampled: 04/01/2016 15:22

Reporting Basis: WET

Date Received: 04/02/2016 10:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-36-0	Antimony	ND	0.010		mg/L			1	6010B
7440-38-2	Arsenic	ND	0.010		mg/L			1	6010B
7440-39-3	Barium	0.059	0.010		mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020		mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0050		mg/L			1	6010B
7440-47-3	Chromium	ND	0.0050		mg/L			1	6010B
7440-48-4	Cobalt	ND	0.010		mg/L			1	6010B
7440-50-8	Copper	ND	0.010		mg/L			1	6010B
7439-92-1	Lead	ND	0.0050		mg/L			1	6010B
7439-98-7	Molybdenum	ND	0.020		mg/L			1	6010B
7440-02-0	Nickel	ND	0.010		mg/L			1	6010B
7782-49-2	Selenium	ND	0.010		mg/L			1	6010B
7440-22-4	Silver	ND	0.010		mg/L			1	6010B
7440-28-0	Thallium	ND	0.010		mg/L			1	6010B
7440-62-2	Vanadium	0.043	0.010		mg/L			1	6010B
7440-66-6	Zinc	ND	0.020		mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020		mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME ICP ICV2_01221 Concentration Units: mg/L

CCV Source: ME ICP STD3_01237

Analyte	ICV 440-324184/5 04/13/2016 10:36				CCV 440-324184/12 04/13/2016 19:26				CCV 440-324184/24 04/13/2016 20:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	2.07		2.00	103	0.946		1.00	95	0.951		1.00	95
<i>Arsenic</i>	1.95		2.00	97	0.918		1.00	92	0.932		1.00	93
<i>Barium</i>	2.00		2.00	100	0.937		1.00	94	0.942		1.00	94
<i>Beryllium</i>	1.97		2.00	98	0.973		1.00	97	0.983		1.00	98
<i>Cadmium</i>	1.98		2.00	99	0.938		1.00	94	0.949		1.00	95
<i>Chromium</i>	2.11		2.00	106	0.976		1.00	98	0.971		1.00	97
<i>Cobalt</i>	2.02		2.00	101	0.990		1.00	99	0.995		1.00	99
<i>Copper</i>	1.99		2.00	100	1.03		1.00	103	1.03		1.00	103
<i>Lead</i>	2.01		2.00	101	0.962		1.00	96	0.969		1.00	97
<i>Molybdenum</i>	2.04		2.00	102	0.977		1.00	98	0.976		1.00	98
<i>Nickel</i>	2.00		2.00	100	0.972		1.00	97	0.973		1.00	97
<i>Selenium</i>	1.93		2.00	96								
<i>Silver</i>	0.999		1.00	100	0.495		0.500	99	0.493		0.500	99
<i>Thallium</i>	2.03		2.00	102	0.941		1.00	94	0.946		1.00	95
<i>Vanadium</i>	2.01		2.00	100	1.01		1.00	101	1.00		1.00	100
<i>Zinc</i>	1.95		2.00	98	0.947		1.00	95	0.949		1.00	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME ICP ICV2_01221 Concentration Units: mg/L

CCV Source: ME ICP STD3_01237

Analyte	CCV 440-324184/33 04/13/2016 20:43											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	0.983		1.00	98								
<i>Arsenic</i>	0.975		1.00	98								
<i>Barium</i>	0.962		1.00	96								
<i>Beryllium</i>	0.999		1.00	100								
<i>Cadmium</i>	0.976		1.00	98								
<i>Chromium</i>	0.979		1.00	98								
<i>Cobalt</i>	1.02		1.00	102								
<i>Copper</i>	1.04		1.00	104								
<i>Lead</i>	0.989		1.00	99								
<i>Molybdenum</i>	0.982		1.00	98								
<i>Nickel</i>	0.989		1.00	99								
<i>Selenium</i>	0.966		1.00	97								
<i>Silver</i>	0.497		0.500	99								
<i>Thallium</i>	0.958		1.00	96								
<i>Vanadium</i>	1.01		1.00	101								
<i>Zinc</i>	0.982		1.00	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME ICP ICV2_01222 Concentration Units: mg/L

CCV Source: ME ICP STD3_01238

Analyte	ICV 440-324263/5 04/14/2016 09:52				CCV 440-324263/12 04/14/2016 11:35				CCV 440-324263/24 04/14/2016 12:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1.93		2.00	97	0.970		1.00	97	0.977		1.00	98
Barium	1.99		2.00	100	0.962		1.00	96	0.977		1.00	98
Beryllium	2.00		2.00	100	0.939		1.00	94	0.965		1.00	97
Cadmium	1.97		2.00	99	0.982		1.00	98	0.988		1.00	99
Chromium	1.91		2.00	95	1.02		1.00	102	1.04		1.00	104
Cobalt	2.01		2.00	100	0.955		1.00	95	0.961		1.00	96
Copper	2.01		2.00	100	0.938		1.00	94	0.938		1.00	94
Lead	1.91		2.00	95	0.971		1.00	97	0.987		1.00	99
Molybdenum	1.99		2.00	100	0.952		1.00	95	0.959		1.00	96
Nickel	2.08		2.00	104	0.956		1.00	96	0.962		1.00	96
Selenium	1.91		2.00	96	0.943		1.00	94	0.961		1.00	96
Silver	0.981		1.00	98	0.477		0.500	95	0.484		0.500	97
Thallium	1.91		2.00	96	0.958		1.00	96	0.965		1.00	96
Vanadium	1.96		2.00	98	0.955		1.00	95	0.957		1.00	96
Zinc	1.93		2.00	97	0.943		1.00	94	0.955		1.00	95
<i>Antimony</i>	2.11		2.00	106	0.909		1.00	91	0.896		1.00	90

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME ICP ICV2_01222 Concentration Units: mg/L

CCV Source: ME ICP STD3_01238

Analyte	CCV 440-324263/33 04/14/2016 12:28											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.943		1.00	94								
Barium	0.941		1.00	94								
Beryllium	0.926		1.00	93								
Cadmium	0.947		1.00	95								
Chromium	1.00		1.00	100								
Cobalt	0.925		1.00	92								
Copper	0.906		1.00	91								
Lead	0.955		1.00	96								
Molybdenum	0.922		1.00	92								
Nickel	0.922		1.00	92								
Selenium	0.920		1.00	92								
Silver	0.469		0.500	94								
Thallium	0.934		1.00	93								
Vanadium	0.924		1.00	92								
Zinc	0.916		1.00	92								
<i>Antimony</i>												

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	ICV 440-324089/1-A 04/14/2016 04:01				CCV 440-324089/3-A 04/14/2016 05:35				CCV 440-324089/3-A 04/14/2016 06:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	7.94		8.00	99	3.97		4.00	99	3.94		4.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

ICV Source: ME 1PPM HG2_00245 Concentration Units: ug/L

CCV Source: ME 1PPM HG1_00252

Analyte	CCV 440-324089/3-A 04/14/2016 06:34				CCV 440-324089/3-A 04/14/2016 07:04							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.00		4.00	100	4.20		4.00	105				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICP4
 Lab Sample ID: CRI 440-324184/11 Concentration Units: mg/L
 CRQL Check Standard Source: ME ICP CRI3_02319

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0200	0.0191		96	50-150
Arsenic	0.0200	0.0200		100	50-150
Barium	0.0200	0.0208		104	50-150
Beryllium	0.00400	0.00359		90	50-150
Cadmium	0.0100	0.0102		102	50-150
Chromium	0.0100	0.0108		108	50-150
Cobalt	0.0200	0.0216		108	50-150
Copper	0.0200	0.0202		101	50-150
Lead	0.0100	0.0111		111	50-150
Molybdenum	0.0400	0.0400		100	50-150
Nickel	0.0200	0.0209		104	50-150
Selenium	0.0200	0.0203		102	50-150
Silver	0.0200	0.0209		104	50-150
Thallium	0.0200	0.0130		65	50-150
Vanadium	0.0200	0.0200		100	50-150
Zinc	0.0400	0.0521		130	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICP7
 Lab Sample ID: CRI 440-324263/11 Concentration Units: mg/L
 CRQL Check Standard Source: ME ICP CRI3_02321

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0200	0.0203		101	50-150
Arsenic	0.0200	0.0234		117	50-150
Barium	0.0200	0.0194		97	50-150
Beryllium	0.00400	0.00429		107	50-150
Cadmium	0.0100	0.00926		93	50-150
Chromium	0.0100	0.0101		101	50-150
Cobalt	0.0200	0.0198		99	50-150
Copper	0.0200	0.0167		83	50-150
Lead	0.0100	0.0107		107	50-150
Molybdenum	0.0400	0.0366		92	50-150
Nickel	0.0200	0.0201		100	50-150
Selenium	0.0200	0.0156		78	50-150
Silver	0.0200	0.0191		96	50-150
Thallium	0.0200	0.0172		86	50-150
Vanadium	0.0200	0.0186		93	50-150
Zinc	0.0400	0.0395		99	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Method: 7470A Instrument ID: CV-HG3
 Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.253		127	50-150

Lab Sample ID: CRA 440-324089/5-A Concentration Units: ug/L
 CRQL Check Standard Source: ME 1PPM HG1_00252

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.247		124	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 440-324184/6 04/13/2016 10:41		CCB 440-324184/13 04/13/2016 19:29		CCB 440-324184/25 04/13/2016 20:12		CCB 440-324184/34 04/13/2016 20:47	
		Found	C	Found	C	Found	C	Found	C
Antimony	0.010	ND		ND		ND		ND	
<i>Arsenic</i>	0.010	ND		ND		ND		ND	
<i>Barium</i>	0.010	ND		ND		ND		ND	
<i>Beryllium</i>	0.0020	ND		ND		ND		ND	
<i>Cadmium</i>	0.0050	ND		ND		ND		ND	
<i>Chromium</i>	0.0050	ND		ND		ND		ND	
<i>Cobalt</i>	0.010	ND		ND		ND		ND	
<i>Copper</i>	0.010	ND		ND		ND		ND	
<i>Lead</i>	0.0050	ND		ND		ND		ND	
<i>Molybdenum</i>	0.020	ND		ND		ND		ND	
<i>Nickel</i>	0.010	ND		ND		ND		ND	
<i>Selenium</i>	0.010	ND		ND		ND		ND	
<i>Silver</i>	0.010	ND		ND		ND		ND	
<i>Thallium</i>	0.010	ND		ND		ND		ND	
<i>Vanadium</i>	0.010	ND		ND		ND		ND	
<i>Zinc</i>	0.020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 440-324263/6 04/14/2016 09:54		CCB 440-324263/13 04/14/2016 11:37		CCB 440-324263/25 04/14/2016 12:09		CCB 440-324263/34 04/14/2016 12:31	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.010	ND		ND		ND		ND	
Barium	0.010	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0050	ND		ND		ND		ND	
Chromium	0.0050	ND		ND		ND		ND	
Cobalt	0.010	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Lead	0.0050	ND		ND		ND		ND	
Molybdenum	0.020	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Selenium	0.010	ND		ND		ND		ND	
Silver	0.010	ND		ND		ND		ND	
Thallium	0.010	ND		ND		ND		ND	
Vanadium	0.010	ND		ND		ND		ND	
Zinc	0.020	ND		ND		ND		ND	
<i>Antimony</i>	0.010	ND		0.0121		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 440-324089/2-A 04/14/2016 04:04		CCB 440-324089/4-A 04/14/2016 05:38		CCB 440-324089/4-A 04/14/2016 06:07		CCB 440-324089/4-A 04/14/2016 06:37	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 440-324089/4-A 04/14/2016 07:06							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323719/1-B
Instrument Code: ICP4 Batch No.: 324184

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	ND			6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323719/1-B
Instrument Code: ICP7 Batch No.: 324263

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-92-1	Lead	ND			6010B
7439-98-7	Molybdenum	ND			6010B
7440-02-0	Nickel	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 440-323719/1-C
Instrument Code: CV-HG3 Batch No.: 324216

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICSA 440-324184/7 Instrument ID: ICP4
 Lab File ID: 160413-1k.prn ICS Source: ME ICP IFA_01258
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		0.0106	
<i>Aluminum</i>	600	677	113
<i>Arsenic</i>		0.0137	
<i>Barium</i>		0.0037	
<i>Beryllium</i>		-0.0007	
<i>Boron</i>		0.0015	
<i>Cadmium</i>		0.0030	
<i>Calcium</i>	600	615	103
<i>Chromium</i>		-0.0002	
<i>Cobalt</i>		0.0017	
<i>Copper</i>		0.0132	
<i>Iron</i>	600	582	97
<i>Lead</i>		0.0052	
<i>Lithium</i>		-0.0383	
<i>Magnesium</i>	600	626	104
<i>Manganese</i>		0.0009	
<i>Molybdenum</i>		-0.0037	
<i>Nickel</i>		0.0050	
<i>Phosphorus</i>		0.0412	
<i>Potassium</i>		-0.547	
<i>Silicon</i>		0.0190	
<i>Silver</i>		0.0004	
<i>Sodium</i>		0.0272	
<i>Strontium</i>		0.0032	
<i>Thallium</i>		-0.0039	
<i>Tin</i>		-0.0202	
<i>Titanium</i>		-0.0069	
<i>Tungsten</i>		0.0164	
<i>Vanadium</i>		0.0149	
<i>Zinc</i>		0.0197	
<i>Zirconium</i>		0.0025	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICSAB 440-324184/8 Instrument ID: ICP4
 Lab File ID: 160413-1k.prn ICS Source: ME ICP IFB_01278
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Antimony	0.500	0.542	108
<i>Aluminum</i>	<i>601</i>	<i>671</i>	<i>112</i>
<i>Arsenic</i>	<i>0.500</i>	<i>0.498</i>	<i>100</i>
<i>Barium</i>	<i>0.500</i>	<i>0.492</i>	<i>98</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.490</i>	<i>98</i>
<i>Boron</i>	<i>0.500</i>	<i>0.514</i>	<i>103</i>
<i>Cadmium</i>	<i>0.500</i>	<i>0.456</i>	<i>91</i>
<i>Calcium</i>	<i>601</i>	<i>600</i>	<i>100</i>
<i>Chromium</i>	<i>0.500</i>	<i>0.504</i>	<i>101</i>
<i>Cobalt</i>	<i>0.500</i>	<i>0.484</i>	<i>97</i>
<i>Iron</i>	<i>601</i>	<i>573</i>	<i>95</i>
<i>Lead</i>	<i>0.500</i>	<i>0.497</i>	<i>99</i>
<i>Lithium</i>	<i>0.500</i>	<i>0.571</i>	<i>114</i>
<i>Magnesium</i>	<i>601</i>	<i>619</i>	<i>103</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.488</i>	<i>98</i>
<i>Molybdenum</i>	<i>0.500</i>	<i>0.492</i>	<i>98</i>
<i>Nickel</i>	<i>0.500</i>	<i>0.489</i>	<i>98</i>
<i>Phosphorus</i>	<i>0.500</i>	<i>0.521</i>	<i>104</i>
<i>Potassium</i>	<i>10.0</i>	<i>10.9</i>	<i>109</i>
<i>Selenium</i>	<i>0.500</i>	<i>0.413</i>	<i>83</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.57</i>	<i>103</i>
<i>Silver</i>	<i>0.250</i>	<i>0.277</i>	<i>111</i>
<i>Sodium</i>	<i>10.0</i>	<i>10.9</i>	<i>109</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.534</i>	<i>107</i>
<i>Thallium</i>	<i>0.500</i>	<i>0.482</i>	<i>96</i>
<i>Tin</i>	<i>0.500</i>	<i>0.457</i>	<i>91</i>
<i>Titanium</i>	<i>0.500</i>	<i>0.529</i>	<i>106</i>
<i>Tungsten</i>	<i>0.500</i>	<i>0.506</i>	<i>101</i>
<i>Vanadium</i>	<i>0.500</i>	<i>0.526</i>	<i>105</i>
<i>Zinc</i>	<i>0.500</i>	<i>0.524</i>	<i>105</i>
<i>Zirconium</i>	<i>0.500</i>	<i>0.513</i>	<i>103</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICSA 440-324263/7 Instrument ID: ICP7
 Lab File ID: 160414-2C.prn ICS Source: ME ICP IFA_01259
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		0.0125	
Barium		0.0092	
Beryllium		0.0000	
Cadmium		0.0003	
Chromium		-0.0008	
Cobalt		0.0178	
Copper		0.0016	
Lead		0.0034	
Molybdenum		-0.0016	
Nickel		0.0056	
Selenium		0.0115	
Silver		0.0029	
Thallium		0.0054	
Vanadium		-0.0067	
Zinc		0.0336	
<i>Aluminum</i>	<i>600</i>	<i>628</i>	<i>105</i>
<i>Antimony</i>		<i>0.0076</i>	
<i>Boron</i>		<i>-0.0798</i>	
<i>Calcium</i>	<i>600</i>	<i>570</i>	<i>95</i>
<i>Iron</i>	<i>600</i>	<i>550</i>	<i>92</i>
<i>Magnesium</i>	<i>600</i>	<i>556</i>	<i>93</i>
<i>Manganese</i>		<i>-0.0039</i>	
<i>Potassium</i>		<i>-0.0904</i>	
<i>Silicon</i>		<i>0.0019</i>	
<i>Sodium</i>		<i>0.0334</i>	
<i>Strontium</i>		<i>0.0027</i>	
<i>Tin</i>		<i>-0.0283</i>	
<i>Titanium</i>		<i>-0.0062</i>	
<i>Tungsten</i>		<i>-0.0199</i>	
<i>Zirconium</i>		<i>0.0021</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Lab Sample ID: ICSAB 440-324263/8 Instrument ID: ICP7
 Lab File ID: 160414-2C.prn ICS Source: ME ICP IFB_01279
 Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.500	0.492	98
Barium	0.500	0.495	99
Beryllium	0.500	0.465	93
Cadmium	0.500	0.449	90
Chromium	0.500	0.463	93
Cobalt	0.500	0.476	95
Copper	0.500	0.570	114
Lead	0.500	0.441	88
Molybdenum	0.500	0.461	92
Nickel	0.500	0.462	92
Selenium	0.500	0.449	90
Silver	0.250	0.271	108
Thallium	0.500	0.413	83
Vanadium	0.500	0.475	95
Zinc	0.500	0.536	107
<i>Aluminum</i>	<i>601</i>	<i>665</i>	<i>111</i>
<i>Antimony</i>	<i>0.500</i>	<i>0.506</i>	<i>101</i>
<i>Boron</i>	<i>0.500</i>	<i>0.406</i>	<i>81</i>
<i>Calcium</i>	<i>601</i>	<i>603</i>	<i>100</i>
<i>Iron</i>	<i>601</i>	<i>592</i>	<i>99</i>
<i>Lithium</i>	<i>0.500</i>	<i>0.548</i>	<i>110</i>
<i>Magnesium</i>	<i>601</i>	<i>580</i>	<i>97</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.448</i>	<i>90</i>
<i>Potassium</i>	<i>10.0</i>	<i>11.4</i>	<i>114</i>
<i>Silicon</i>	<i>2.50</i>	<i>2.48</i>	<i>99</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.530</i>	<i>106</i>
<i>Tin</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Titanium</i>	<i>0.500</i>	<i>0.485</i>	<i>97</i>
<i>Tungsten</i>	<i>0.500</i>	<i>0.441</i>	<i>88</i>
<i>Zirconium</i>	<i>0.500</i>	<i>0.493</i>	<i>99</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 440-143184-D-4-D MS
Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.00776	ND	0.00800	97	70-130		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 440-143184-D-4-E MSD
Lab Name: TestAmerica Irvine Job No.: 440-143186-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.00792	0.00800	99	70-130	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323719/2-B

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1B_00036

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	1.00	0.957		96	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - DISSOLVED

Lab ID: LCSD 440-323719/17-B

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1B_00036

Analyte	(SDR) C		Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	0.978		1.00	98	80-120	2	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323719/2-B

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1A_00038

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	1.00	0.938		94	80	120		6010B
Barium	1.00	0.968		97	80	120		6010B
Beryllium	1.00	0.962		96	80	120		6010B
Cadmium	1.00	0.969		97	80	120		6010B
Chromium	1.00	1.01		101	80	120		6010B
Cobalt	1.00	0.972		97	80	120		6010B
Copper	1.00	0.944		94	80	120		6010B
Lead	1.00	0.983		98	80	120		6010B
Molybdenum	1.00	0.944		94	80	120		6010B
Nickel	1.00	0.949		95	80	120		6010B
Selenium	1.00	0.886		89	80	120		6010B
Silver	0.500	0.488		98	80	120		6010B
Thallium	1.00	0.955		95	80	120		6010B
Vanadium	1.00	0.943		94	80	120		6010B
Zinc	1.00	0.912		91	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - DISSOLVED

Lab ID: LCSD 440-323719/17-B

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

Sample Matrix: Water

LCS Source: ME ICP2 ICV1A_00038

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	0.899	1.00	90	80-120	4	20		6010B
Barium	0.942	1.00	94	80-120	3	20		6010B
Beryllium	0.913	1.00	91	80-120	5	20		6010B
Cadmium	0.944	1.00	94	80-120	3	20		6010B
Chromium	0.997	1.00	100	80-120	1	20		6010B
Cobalt	0.936	1.00	94	80-120	4	20		6010B
Copper	0.904	1.00	90	80-120	4	20		6010B
Lead	0.942	1.00	94	80-120	4	20		6010B
Molybdenum	0.926	1.00	93	80-120	2	20		6010B
Nickel	0.923	1.00	92	80-120	3	20		6010B
Selenium	0.844	1.00	84	80-120	5	20		6010B
Silver	0.474	0.500	95	80-120	3	20		6010B
Thallium	0.916	1.00	92	80-120	4	20		6010B
Vanadium	0.914	1.00	91	80-120	3	20		6010B
Zinc	0.883	1.00	88	80-120	3	20		6010B

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 440-323719/2-C

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

Sample Matrix: Water

LCS Source: ME 1PPM HG1_00252

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00800	0.00797		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B MDL Date: 07/30/2014 00:00
Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Antimony	206.833	0.01	0.006

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B XMDL Date: 11/20/2014 17:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Antimony	206.833	0.01	0.006

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: ICP7
Method: 6010B MDL Date: 07/30/2014 00:00
Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: ICP7
Method: 6010B XMDL Date: 11/20/2014 17:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic	188.979	0.01	0.005
Barium	233.527	0.01	0.005
Beryllium	313.107	0.002	0.001
Cadmium	214.438	0.005	0.002
Chromium	205.552	0.005	0.0025
Cobalt	228.616	0.01	0.0025
Copper	324.754	0.01	0.005
Lead	220.353	0.005	0.0025
Molybdenum	202.03	0.02	0.01
Nickel	231.604	0.01	0.005
Selenium	196.026	0.01	0.0061
Silver	328.068	0.01	0.005
Thallium	190.8	0.01	0.005
Vanadium	292.402	0.01	0.005
Zinc	213.856	0.02	0.01

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A MDL Date: 07/06/2011 10:19
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury		0.0002	0.0001

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Irvine Job Number: 440-143186-1
SDG Number: _____
Matrix: Water Instrument ID: CV-HG3
Method: 7470A XMDL Date: 11/09/2010 14:01

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.1

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 03/04/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0	0	0	0	0	0	0	-2.32841	0	0	0	33.1762	0
Antimony	206.836	0.0648784	-0.0225695	0	8.54723	0	0.0843454	0	0	0.409648	-0.429024	-6.48048	-2.82731	-3.24581	0
Arsenic	188.979	0.0866913	0	0	-4.70026	0	0.051812	0.0404338	0	2.98537	0	0	0.510258	0	-1.47727
Barium	233.527	0	0	0	0	0	0.0221948	0	0	0	0	0	0	0	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.772	0	0	0	0	0	1.16147	0	0	0	0	0	0	0	0
Cadmium	214.440	0	0	0	0	0	0.0181152	0	0	0	0	0	0	0	-0.215379
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	4.33772
Chromium	205.560	0.0118932	0	0		0	-0.0223695	0.00832196	0	0.854327	0	0	0	0	0.523673
Cobalt	228.616	0	0		0	0	0	0	0	-0.621711	0	0	2.2988	0	0
Copper	324.752	0	0	-0.520235	0		-0.0705735	0	0	0.871377	0	0	0	0	0
Iron	238.204	0	0	-1.35905	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.106070	0	0	0.515278	0.441197	0.0055	0.0032	0.202301	-1.52504	-0.290382	0	-0.391397	0	-1.89391
Lithium	610.362	0	-0.249132	0	0	0	0	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0.040365	0	0	0	0.10575		0	-4.3434	0	0	-1.35803	0	-1.39742
Manganese	257.610	0	0	0	0	0	0	0.0347852		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	0	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.69442	0	0	0	0	0	0		0	0	0	0
Phosphorus	214.914	-0.511076	0	0	0	-2.23635	0.315159	0	0	6.75692	0	0	0	0	33.058
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	0.006296	0.181955	-1.05946	3.19776	0	-0.625763	-0.016807	0.784608	0	0	0	0	0	9.02495
Silicon	251.611	0	0	0	0	0	0	0	0	10.5669	0	4.04082	4.82418	0	170564
Silver	328.068	0	0	0	0	0	-0.39634	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	2.81727	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.0238068	0.0337	5.08632	0	0	0	0.0332128	0.92504	1.77531	0	0	-0.44652	-1.11259	0
Tin	189.927	0	0.07695	0	0	0	0.0206	0.0471	0	0	0		0	0	0
Titanium	334.940	0	-0.0175162	0	0	0	0	0.00986435	0	0.397037	0	0		0.28411	0
Tungsten	207.912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-4.50716	0	-0.0773944	0	0	0	0	0	0.816341		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 03/04/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0.0475	0	0	1.20685	0.0845878	0	0	0	4.80468	0	0	0	0
Zirconium	343.823	0	0	-0.107414	0	0	0.0322087	0	0	0.477177	0	0.664536	0.275691	0	1.93107

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 03/04/2016

Analyte	Wave Length	Zn	Zr												
Aluminum	308.215	0	0												
Antimony	206.836	0	0												
Arsenic	188.979	0	0.360907												
Barium	233.527	0	0												
Beryllium	313.107	0	0												
Boron	249.772	0	0												
Cadmium	214.440	0	0												
Calcium	315.887	0	22.0238												
Chromium	205.560	0	0												
Cobalt	228.616	0	0												
Copper	324.752	0	0												
Iron	238.204	0	0												
Lead	220.353	0	0												
Lithium	610.362	0	0												
Magnesium	279.077	0	0												
Manganese	257.610	0	0												
Molybdenum	202.031	0	0												
Nickel	231.604	0	0												
Phosphorus	214.914	0	0												
Potassium	766.490	0	0												
Selenium	196.026	0.683054	0.404168												
Silicon	251.611	0	6.27865												
Silver	328.068	0	5.98462												
Sodium	589.592	0	0												
Strontium	421.552	0	0												
Thallium	190.801	0	0												
Tin	189.927	0	0												
Titanium	334.940	0	0												
Tungsten	207.912	16.9647	0												
Vanadium	292.402	0	0												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 03/04/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 04/13/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0	0	0	0	0	0	0	-2.32841	0	0	0	33.1762	0
Antimony	206.836	0.0648784	-0.022570	0	8.54723	0	0.084345	0	0	0.409648	-0.429024	-6.48048	-2.82731	-3.24581	0
Arsenic	188.979	0.072191	0	0	-4.70026	0	0.025412	0.040434	0	0	0	0	0.510258	0	-1.47727
Barium	233.527	0	0	0	0	0	0.022195	0	0	0	0	0	0	0	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.772	0	0	0	0	0	.444800	0	0	0	0	0	0	0	0
Cadmium	214.440	0	0	0	0	0	0.018115	0	0	0	0	0	0	0	-0.215379
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	4.33772
Chromium	205.560	0.0118932	0	0		0	-0.251290	0.008322	0	0.854327	0	0	0	0	0.523673
Cobalt	228.616	0	0		0	0	0.036600	0	0	-0.621711	0	0	2.2988	0	0
Copper	324.752	0	0	-0.520235	0		-0.145473	0	0	0.871377	0	0	0	0	0
Iron	238.204	0	0	-1.359049	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.106070	0	0	0	0.441197	0.001600	0.003200	0.202301	-1.52504	-0.290382	0	-0.391397	0	-1.89391
Lithium	610.362	0	-0.398532	0	0	0	-0.120430	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	0.105750		0	-4.343403	0	0	-1.35803	0	-1.39742
Manganese	257.610	0	0	0	0	0	0	0.034785		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	0	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.69442	0	0	0	0	0	0		0	0	0	0
Phosphorus	214.914	-.532765	0	0	0	-2.23635	0.520800	0	0	6.75692	0	0	0	0	33.058
Potassium	766.490	0	0	0	0	0	-0.42660	0	0	0	0	0	0	0	0
Selenium	196.026	0.006296	0.181955	-1.05946	0	0	-0.625763	-0.016807	0.784608	0	0	0	0	0	9.02495
Silicon	251.611	0	0	0	0	0	0	0	0	10.5669	0	4.04082	4.82418	0	17.564024
Silver	328.068	0	0	0	0	0	-0.39634	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.023807	0.0337	5.086319	0	0	0	0.033213	0.92504	0	0	0	-9.44652	-1.11259	0
Tin	189.927	0.164700	0.07695	0	0	0	0.089400	0.0471	0	0	0		0	0	0
Titanium	334.940	0	-0.316416	0	0	0	0	0.009864	0	0.397037	0	0		0.28411	0
Tungsten	207.912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-4.50716	0	-0.077394	0	0	0	0	0	0.816341		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 04/13/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0.0475	0	0	1.20685	0.084588	0	0	0	4.80468	0	0	0	0
Zirconium	343.823	0	0	-0.107414	0	0	0.032209	0	0	0.477177	0	0.664536	0.275691	0	1.93107

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 04/13/2016

Analyte	Wave Length	Zn	Zr											
Aluminum	308.215	0	0											
Antimony	206.836	0	0											
Arsenic	188.979	0	0.360907											
Barium	233.527	0	0											
Beryllium	313.107	0	0											
Boron	249.772	0	0											
Cadmium	214.440	0	0											
Calcium	315.887	0	22.0238											
Chromium	205.560	0	0											
Cobalt	228.616	0	0											
Copper	324.752	0	0											
Iron	238.204	0	0											
Lead	220.353	0	0											
Lithium	610.362	0	0											
Magnesium	279.077	0	0											
Manganese	257.610	0	0											
Molybdenum	202.031	0	0											
Nickel	231.604	0	0											
Phosphorus	214.914	0	0											
Potassium	766.490	0	0											
Selenium	196.026	0.683054	0.404168											
Silicon	251.611	0	6.27865											
Silver	328.068	0	5.98462											
Sodium	589.592	0	0											
Strontium	421.552	0	0											
Thallium	190.801	0	0											
Tin	189.927	0	0											
Titanium	334.940	0	0											
Tungsten	207.912	16.9647	0											
Vanadium	292.402	0	0											

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP4 Date: 04/13/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr											
Aluminum	308.215	0	0											
Antimony	206.836	0	0											
Arsenic	188.979	0	0											
Barium	233.527	0	0											
Beryllium	313.107	0	0.106816											
Boron	249.677	0	0											
Cadmium	214.440	0	0											
Calcium	315.887	0	0											
Chromium	205.560	0	0											
Cobalt	228.616	0	0											
Copper	324.752	0	0											
Iron	238.204	0	0											
Lead	220.353	0	-0.337594											
Lithium	610.362	0	0											
Magnesium	279.077	0	0											
Manganese	257.610	0	0											
Molybdenum	202.031	0	0											
Nickel	231.604	0	0											
Phosphorus	214.914	0	1.441484											
Potassium	766.490	0	0											
Selenium	196.026	0	0											
Silicon	251.611	0	2.799465											
Silver	328.068	0	6.393244											
Sodium	589.592	0	0											
Strontium	421.552	0	0											
Thallium	190.801	0	0											
Tin	189.927	0	0											
Titanium	334.903	0	0											
Tungsten	2070912	12.519331	1.078359											
Vanadium	292.402	0	0											

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 03/22/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Aluminum	308.215		0.142381	0	0	0	0	0.144576	0	2.142493	0	0	0	34.753202	0
Antimony	206.836	0	0	-0.660607	7.676681	0	0.021809	0	0	-9.206460	0	-0.363260	-2.254760	-0.495276	0
Arsenic	188.979	0.024384	0	0	-6.388523	0	-0.085030	0	0	2.070670	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0.408133	0
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron	249.677	0	0	0	0	0	0.685665	0	0	0	0	0	0	0	-6.905934
Cadmium	214.440	0	0	0	0	0	0.019485	0	0	0	0	0	0	0	0
Calcium	315.887	0		0	0	0	0	0	0	0	0	0	0	0	0
Chromium	205.560	0	0	0		0	0	0	0	0	0	0	0	0	0.282145
Cobalt	228.616	0	0		0	0	0	0	0	-0.373885	0	0	1.753215	0	0
Copper	324.752	0	0	0	0		-0.051350	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0		0	0	0	0	0	0	0	0
Lead	220.353	-0.028616	0	0	0	0.431340	0.130077	0	0	-1.854291	-0.235821	0	-0.525349	0	-0.701465
Lithium	610.362	0	-0.532800	0	0	0	-0.071854	0	0	0	0	0	0	0	0
Magnesium	279.077	0	0	0	0	0	-0.248387		0	-2.460887	0	0	0	0	-1.166808
Manganese	257.610	0	0	0	0	0	0	0.038064		0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	-0.023460	0	0		0	0	0	0	0
Nickel	231.604	0	0	-0.403645	0	0	0.029600	0	0	0		0	0	0	
Phosphorus	214.914	-0.268218	0	0	0	0	1.527300	0.033300	0	7.053496	0	0	0	0	36.945847
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	-0.019054	0	0	0	0	-0.540529	0	0.487701	0	0	0	0	0	11.382727
Silicon	251.611	0	0	0	0	0	0	0	0	14.194232	0	3.600410	4.494595	0	10.398015
Silver	328.068	0	0	0	0	0	-0.082617	0	0	0	0	0	0	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	-0.018358	0	0.734959	0	0	0	0	0	0	0	0	-4.908767	-1.902367	0
Tin	189.927	0	0	0	0	0	0	0	0	0	0		-4.331962	0	0
Titanium	334.903	0	0	0	0	0	0	0.009207	0	0	0	0		0	0
Tungsten	2070912	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vanadium	292.402	0	0	0	-1.044374	0	-0.036081	0	0	-2.731319	0	0	0.424429		0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Al	Ca	Co	Cr	Cu	Fe	Mg	Mn	Mo	Ni	Sn	Ti	V	W
Zinc	213.857	0	0	0	0	1.968467	0.120781	0	0	2.511639	5.221878	0	0	0	0
Zirconium	343.823	0	0	0	0	0	0.024623	0	0	0.917731	0	0.390494	0.180995	0	0.528495

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr											
Aluminum	308.215	0	0											
Antimony	206.836	0	0											
Arsenic	188.979	0	0											
Barium	233.527	0	0											
Beryllium	313.107	0	0.106816											
Boron	249.677	0	0											
Cadmium	214.440	0	0											
Calcium	315.887	0	0											
Chromium	205.560	0	0											
Cobalt	228.616	0	0											
Copper	324.752	0	0											
Iron	238.204	0	0											
Lead	220.353	0	-0.337594											
Lithium	610.362	0	0											
Magnesium	279.077	0	0											
Manganese	257.610	0	0											
Molybdenum	202.031	0	0											
Nickel	231.604	0	0											
Phosphorus	214.914	0	1.441484											
Potassium	766.490	0	0											
Selenium	196.026	0	0											
Silicon	251.611	0	2.799465											
Silver	328.068	0	6.393244											
Sodium	589.592	0	0											
Strontium	421.552	0	0											
Thallium	190.801	0	0											
Tin	189.927	0	0											
Titanium	334.903	0	0											
Tungsten	2070912	12.519331	1.078359											
Vanadium	292.402	0	0											

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Irvine Job Number: 440-143186-1

SDG No.: _____

ICP-AES Instrument ID: ICP7 Date: 04/14/2016

Analyte	Wave Length	Zn	Zr												
Zinc	213.857		0												
Zirconium	343.823	0													

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143186-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/01/2011 08:29

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Antimony		20	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Irvine

Job No: 440-143186-1

SDG No.: _____

Instrument ID: CV-HG3

Date: 01/01/2014 16:58

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		15	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323719/1-B	04/13/2016 10:32	323971		25	25
LCS 440-323719/2-B	04/13/2016 10:32	323971		25	25
LCSD 440-323719/17-B	04/13/2016 10:32	323971		25	25
440-143186-1	04/13/2016 10:32	323971		25	25
440-143186-2	04/13/2016 10:32	323971		25	25
440-143186-3	04/13/2016 10:32	323971		25	25
440-143186-4	04/13/2016 10:32	323971		25	25
440-143186-5	04/13/2016 10:32	323971		25	25
440-143186-6	04/13/2016 10:32	323971		25	25
440-143186-7	04/13/2016 10:32	323971		25	25

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 440-323719/1-C	04/13/2016 17:49	324101		20	20
LCS 440-323719/2-C	04/13/2016 17:49	324101		20	20
440-143184-D-4-D MS	04/13/2016 17:49	324101		20	20
440-143184-D-4-E MSD	04/13/2016 17:49	324101		20	20
440-143186-1	04/13/2016 17:49	324101		20	20
440-143186-2	04/13/2016 17:49	324101		20	20
440-143186-3	04/13/2016 17:53	324101		20	20
440-143186-4	04/13/2016 17:53	324101		20	20
440-143186-5	04/13/2016 17:53	324101		20	20
440-143186-6	04/13/2016 17:54	324101		20	20
440-143186-7	04/13/2016 17:54	324101		20	20

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1
 SDG No.: _____
 Instrument ID: ICP4 Analysis Method: 6010B
 Start Date: 04/13/2016 10:23 End Date: 04/13/2016 20:47

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				S b																									
STD0 440-324184/1 IC			10:23	X																									
STD1 440-324184/2 IC			10:26	X																									
STD2 440-324184/3 IC			10:29	X																									
STD3 440-324184/4 IC			10:32	X																									
ICV 440-324184/5	1		10:36	X																									
ICB 440-324184/6	1		10:41	X																									
ICSA 440-324184/7	1		10:46	X																									
ICSAB 440-324184/8	1		10:52	X																									
ZZZZZZ			10:56																										
ZZZZZZ			10:58																										
CRI 440-324184/11	1		11:01	X																									
CCV 440-324184/12	1		19:26	X																									
CCB 440-324184/13	1		19:29	X																									
MB 440-323719/1-B	1	D	19:33	X																									
LCS 440-323719/2-B	1	D	19:37	X																									
LCSD 440-323719/17-B	1	D	19:41	X																									
ZZZZZZ			19:45																										
ZZZZZZ			19:48																										
ZZZZZZ			19:52																										
ZZZZZZ			19:56																										
ZZZZZZ			19:59																										
ZZZZZZ			20:03																										
ZZZZZZ			20:05																										
CCV 440-324184/24	1		20:08	X																									
CCB 440-324184/25	1		20:12	X																									
440-143186-1	1	D	20:17	X																									
440-143186-2	1	D	20:22	X																									
440-143186-3	1	D	20:25	X																									
440-143186-4	1	D	20:29	X																									
440-143186-5	1	D	20:33	X																									
440-143186-6	1	D	20:35	X																									
440-143186-7	1	D	20:39	X																									
CCV 440-324184/33	1		20:43	X																									
CCB 440-324184/34	1		20:47	X																									

Prep Types: _____
 D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Instrument ID: ICP7

Analysis Method: 6010B

Start Date: 04/14/2016 09:39

End Date: 04/14/2016 12:31

Lab Sample Id	D/F	T y p e	Time	Analytes																										
				A g	A s	B a	B e	C d	C o	C r	C u	M o	N i	P b	S t	T l	V	Z n												
STD0 440-324263/1 IC			09:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
STD1 440-324263/2 IC			09:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
STD2 440-324263/3 IC			09:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
STD3 440-324263/4 IC			09:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ICV 440-324263/5	1		09:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ICB 440-324263/6	1		09:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ICSA 440-324263/7	1		09:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ICSAB 440-324263/8	1		10:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ZZZZZZ			10:08																											
ZZZZZZ			10:10																											
CRI 440-324263/11	1		10:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
CCV 440-324263/12	1		11:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
CCB 440-324263/13	1		11:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
MB 440-323719/1-B	1	D	11:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
LCS 440-323719/2-B	1	D	11:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
LCSD 440-323719/17-B	1	D	11:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
ZZZZZZ			11:50																											
ZZZZZZ			11:52																											
ZZZZZZ			11:55																											
ZZZZZZ			11:57																											
ZZZZZZ			12:00																											
ZZZZZZ			12:02																											
ZZZZZZ			12:04																											
CCV 440-324263/24	1		12:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
CCB 440-324263/25	1		12:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-1	1	D	12:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-2	1	D	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-3	1	D	12:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-4	1	D	12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-5	1	D	12:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-6	1	D	12:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
440-143186-7	1	D	12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
CCV 440-324263/33	1		12:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												
CCB 440-324263/34	1		12:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X												

Prep Types: _____

D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: CV-HG3 Analysis Method: 7470A

Start Date: 04/14/2016 03:45 End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
IC 440-324089/6-A	1		03:45	X																									
IC 440-324089/7-A	1		03:47	X																									
IC 440-324089/8-A	1		03:50	X																									
IC 440-324089/9-A	1		03:53	X																									
IC 440-324089/10-A	1		03:55	X																									
IC 440-324089/11-A	1		03:58	X																									
ICV 440-324089/1-A	1		04:01	X																									
ICB 440-324089/2-A	1		04:04	X																									
CRA 440-324089/5-A	1		04:06	X																									
ZZZZZZ			04:09																										
ZZZZZZ			04:12																										
ZZZZZZ			04:15																										
ZZZZZZ			04:17																										
ZZZZZZ			04:20																										
ZZZZZZ			04:23																										
ZZZZZZ			04:25																										
ZZZZZZ			04:28																										
ZZZZZZ			04:31																										
ZZZZZZ			04:33																										
CCV 440-324089/3-A			04:36																										
CCB 440-324089/4-A			04:39																										
ZZZZZZ			04:41																										
ZZZZZZ			04:44																										
ZZZZZZ			04:47																										
ZZZZZZ			04:49																										
ZZZZZZ			04:52																										
ZZZZZZ			04:55																										
ZZZZZZ			04:57																										
ZZZZZZ			05:00																										
ZZZZZZ			05:03																										
CCV 440-324089/3-A			05:06																										
CCB 440-324089/4-A			05:08																										
ZZZZZZ			05:11																										
ZZZZZZ			05:13																										
ZZZZZZ			05:16																										
ZZZZZZ			05:19																										
ZZZZZZ			05:22																										
ZZZZZZ			05:24																										
ZZZZZZ			05:27																										
ZZZZZZ			05:30																										
ZZZZZZ			05:32																										
CCV 440-324089/3-A	1		05:35	X																									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine

Job No.: 440-143186-1

SDG No.: _____

Instrument ID: CV-HG3

Analysis Method: 7470A

Start Date: 04/14/2016 03:45

End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T y p e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A	1		05:38	X																									
ZZZZZZ			05:40																										
ZZZZZZ			05:43																										
ZZZZZZ			05:46																										
ZZZZZZ			05:48																										
MB 440-323719/1-C	1	D	05:51	X																									
LCS 440-323719/2-C	1	D	05:54	X																									
ZZZZZZ			05:56																										
440-143184-D-4-D MS	1	D	05:59	X																									
440-143184-D-4-E MSD	1	D	06:02	X																									
CCV 440-324089/3-A	1		06:05	X																									
CCB 440-324089/4-A	1		06:07	X																									
ZZZZZZ			06:10																										
ZZZZZZ			06:13																										
ZZZZZZ			06:15																										
ZZZZZZ			06:18																										
ZZZZZZ			06:21																										
ZZZZZZ			06:23																										
440-143186-1	1	D	06:26	X																									
440-143186-2	1	D	06:29	X																									
440-143186-3	1	D	06:31	X																									
CCV 440-324089/3-A	1		06:34	X																									
CCB 440-324089/4-A	1		06:37	X																									
440-143186-4	1	D	06:39	X																									
440-143186-5	1	D	06:42	X																									
440-143186-6	1	D	06:45	X																									
440-143186-7	1	D	06:47	X																									
ZZZZZZ			06:50																										
ZZZZZZ			06:53																										
ZZZZZZ			06:56																										
ZZZZZZ			06:58																										
ZZZZZZ			07:01																										
CCV 440-324089/3-A	1		07:04	X																									
CCB 440-324089/4-A	1		07:06	X																									
ZZZZZZ			07:09																										
ZZZZZZ			07:12																										
ZZZZZZ			07:14																										
ZZZZZZ			07:17																										
ZZZZZZ			07:20																										
ZZZZZZ			07:22																										
ZZZZZZ			07:25																										
CCV 440-324089/3-A			07:28																										

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Instrument ID: CV-HG3 Analysis Method: 7470A

Start Date: 04/14/2016 03:45 End Date: 04/14/2016 09:16

Lab Sample Id	D/F	T Y P e	Time	Analytes																									
				H g																									
CCB 440-324089/4-A			07:31																										
CRA 440-324089/5-A	1		07:33	X																									
ZZZZZZ			07:36																										
ZZZZZZ			07:39																										
ZZZZZZ			07:41																										
ZZZZZZ			07:44																										
CCV 440-324089/3-A			08:52																										
CCB 440-324089/4-A			08:55																										
ZZZZZZ			08:57																										
ZZZZZZ			09:00																										
ZZZZZZ			09:03																										
ZZZZZZ			09:06																										
ZZZZZZ			09:08																										
CCV 440-324089/3-A			09:11																										
CCB 440-324089/4-A			09:14																										
CRA 440-324089/5-A			09:16																										

Prep Types: _____
D = Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 323719 Batch Start Date: 04/12/16 13:07 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 21:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323719/1		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
LCS 440-323719/2		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			
440-143186-D-1	MW-01	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-2	MW-03	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-3	MW-04	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-4	MW-05	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-5	MW-19	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-6	MW-20	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
440-143186-D-7	MW-22	FILTRATION, 3005A, 6010B	D	150 mL	150 mL	pH<2			
LCSD 440-323719/17		FILTRATION, 3005A, 6010B		200 mL	200 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 323971 Batch Start Date: 04/13/16 10:32 Batch Analyst: Nguyen, Quynh 1

Batch Method: 3005A Batch End Date: 04/13/16 15:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME HCl 00317	ME HNO3 00327	ME ICP2 ICP1A 00038
MB 440-323719/1-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	
LCS 440-323719/2-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	250 uL
LCSD 440-323719/17-A		3005A, 6010B			25 mL	25 mL	1.25 mL	0.5 mL	250 uL
440-143186-D-1-A	MW-01	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-2-A	MW-03	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-3-A	MW-04	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-4-A	MW-05	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-5-A	MW-19	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-6-A	MW-20	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	
440-143186-D-7-A	MW-22	3005A, 6010B	D	<2	25 mL	25 mL	1.25 mL	0.5 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICP1B 00036					
MB 440-323719/1-A		3005A, 6010B							
LCS 440-323719/2-A		3005A, 6010B		250 uL					
LCSD 440-323719/17-A		3005A, 6010B		250 uL					
440-143186-D-1-A	MW-01	3005A, 6010B	D						
440-143186-D-2-A	MW-03	3005A, 6010B	D						
440-143186-D-3-A	MW-04	3005A, 6010B	D						
440-143186-D-4-A	MW-05	3005A, 6010B	D						
440-143186-D-5-A	MW-19	3005A, 6010B	D						
440-143186-D-6-A	MW-20	3005A, 6010B	D						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 323971 Batch Start Date: 04/13/16 10:32 Batch Analyst: Nguyen, Quynh 1Batch Method: 3005A Batch End Date: 04/13/16 15:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME ICP2 ICV1B 00036					
440-143186-D-7-A	MW-22	3005A, 6010B	D						

Batch Notes	
First End time	14:59
Lot # of hydrochloric acid	4115100
Lot # of Nitric Acid	0000129810
Hot Block ID	6
Oven, Bath or Block Temperature 1	93
Oven, Bath or Block Temperature 2	92
Pipette ID	100
First Start time	10:47
Thermometer ID	P121 CF 0.0 LOC C4
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	92 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 323719 Batch Start Date: 04/12/16 13:07 Batch Analyst: Em, Kimsirey 1Batch Method: FILTRATION Batch End Date: 04/12/16 21:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 440-323719/1		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
LCS 440-323719/2		FILTRATION, 7470A, 7470A		200 mL	200 mL	pH<2			
440-143186-D-1	MW-01	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-2	MW-03	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-3	MW-04	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-4	MW-05	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-5	MW-19	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-6	MW-20	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			
440-143186-D-7	MW-22	FILTRATION, 7470A, 7470A	D	150 mL	150 mL	pH<2			

Batch Notes	
Filter ID	R5MA46362
Lot # of Nitric Acid	0000129810

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai Thanh

Batch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME 1PPM HG2 00245	ME H2SO4 00066	ME HNO3 00318
ICV 440-324089/1		245.1, 7470A		20 mL	20 mL		160 uL	1 mL	0.5 mL
ICB 440-324089/2		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CCV 440-324089/3		245.1, 7470A		20 mL	20 mL	80 uL		1 mL	0.5 mL
CCB 440-324089/4		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
CRA 440-324089/5		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/6		245.1, 7470A		20 mL	20 mL			1 mL	0.5 mL
IC 440-324089/7		245.1, 7470A		20 mL	20 mL	4 uL		1 mL	0.5 mL
IC 440-324089/8		245.1, 7470A		20 mL	20 mL	20 uL		1 mL	0.5 mL
IC 440-324089/9		245.1, 7470A		20 mL	20 mL	100 uL		1 mL	0.5 mL
IC 440-324089/10		245.1, 7470A		20 mL	20 mL	200 uL		1 mL	0.5 mL
IC 440-324089/11		245.1, 7470A		20 mL	20 mL	300 uL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
ICV 440-324089/1		245.1, 7470A		2 mL	1.6 mL	3 mL			
ICB 440-324089/2		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCV 440-324089/3		245.1, 7470A		2 mL	1.6 mL	3 mL			
CCB 440-324089/4		245.1, 7470A		2 mL	1.6 mL	3 mL			
CRA 440-324089/5		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/6		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/7		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/8		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/9		245.1, 7470A		2 mL	1.6 mL	3 mL			
IC 440-324089/10		245.1, 7470A		2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 324089 Batch Start Date: 04/13/16 16:58 Batch Analyst: Bui, Dai ThanhBatch Method: 245.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
IC 440-324089/11		245.1, 7470A		2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hood ID	3
Hot Block ID	8
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-122 cf 0.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 324101 Batch Start Date: 04/13/16 17:49 Batch Analyst: Bui, Dai Thanh

Batch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ME 1PPM HG1 00252	ME H2SO4 00066	ME HNO3 00318
MB 440-323719/1-A		7470A, 7470A			20 mL	20 mL		1 mL	0.5 mL
LCS 440-323719/2-A		7470A, 7470A			20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143184-D-4-A MS		7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143184-D-4-A MSD		7470A, 7470A	D	<2	20 mL	20 mL	160 uL	1 mL	0.5 mL
440-143186-D-1-A	MW-01	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-2-A	MW-03	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-3-A	MW-04	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-4-A	MW-05	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-5-A	MW-19	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-6-A	MW-20	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL
440-143186-D-7-A	MW-22	7470A, 7470A	D	<2	20 mL	20 mL		1 mL	0.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
MB 440-323719/1-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
LCS 440-323719/2-A		7470A, 7470A		2 mL	1.6 mL	3 mL			
440-143184-D-4-A MS		7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143184-D-4-A MSD		7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-1-A	MW-01	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-2-A	MW-03	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-3-A	MW-04	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-4-A	MW-05	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7470A

METALS BATCH WORKSHEET

Lab Name: TestAmerica Irvine Job No.: 440-143186-1

SDG No.: _____

Batch Number: 324101 Batch Start Date: 04/13/16 17:49 Batch Analyst: Bui, Dai ThanhBatch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ME HYDROX SOL 00073	ME K2S2O8 00058	ME KMN04 00141			
440-143186-D-5-A	MW-19	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-6-A	MW-20	7470A, 7470A	D	2 mL	1.6 mL	3 mL			
440-143186-D-7-A	MW-22	7470A, 7470A	D	2 mL	1.6 mL	3 mL			

Batch Notes	
Hydroxylamine Sulfate ID	added 21:40
Digestion End Time	21:30
Digestion Start Time	19:30
Sulfuric Acid Lot Number	0000115683
Lot # of Nitric Acid	0000129810
Hot Block ID	3
Potassium Permanganate ID	Start 19:10 end 19:25
Oven, Bath or Block Temperature 1	94 Celsius
Oven, Bath or Block Temperature 2	94 Celsius
pH Paper ID	HC573149
Pipette ID	113
Thermometer ID	p-095 of -1.0 Loc: C16
Digestion Tube/Cup ID	1509104
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents



Shell Oil Products Chain Of Custody Record

URS

Print Bill To Contact Name: Iain Olness						INCIDENT # (ENV SERVICES) ☐ CHECK IF NO INCIDENT # APPLIES DATE: 4/1/2016 PAGE: 1 of 1					
Lab Vendor # See Dropdown						Please Check Appropriate Box: ☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL ☐ CONSULTANT ☐ LUBES ☒ SHELL PIPELINE ☐ OTHER _____					
SAMPLING COMPANY: URS Corporation ADDRESS: 7720 N. 16th Street, Suite 100, Peenix, AZ 85020 PROJECT CONTACT (Hardcopy or PDF Report to): Iain Olness TELEPHONE: 602-648-2402 FAX: 602-371-1615 TURNAROUND TIME (CALENDAR DAYS): ☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND ☐ LA - RMQCB REPORT FORMAT ☐ UST AGENCY: ☐ LEVEL 1 ☐ LEVEL 2 ☒ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____ Cooler #1 Cooler #2 Cooler #3 TEMPERATURE ON RECEIPT C° SPECIAL INSTRUCTIONS OR NOTES : Please send an electronic copy of the final lab report and the Lab EDD to swalker@geiconsultants.com. ☒ SHELL CONTRACT RATE APPLIES ☐ STATE REIMBURSEMENT RATE APPLIES ☐ EDD NOT NEEDED ☐ RECEIPT VERIFICATION REQUESTED ☐ PROVIDE LEDD DISK						SITE ADDRESS: Street and City EQPL Basin Jal Pump Station EDF DELIVERABLE TO (Name, Company, Office Location): Iain Olness 602-648-2402 SAMPLER NAME(S) (P/N): Kyle Wicks and Chris Craft LAB USE ONLY GLOBAL ID NO.: 60410985 CONSULTANT PROJECT NO.: E-MAIL: iain.olness@aecom.com					
Field Sample Identification						REQUESTED ANALYSIS					
MW-01						UNIT COST					
MW-03						NON-UNIT COST					
MW-04											
MW-05											
MW-19											
MW-20											
MW-22											
Relinquished by: (Signature)						Date: 4/1/16 Time: 16:35					
Relinquished by: (Signature)						Date: 04/02/16 Time: 10:00					
Relinquished by: (Signature)						Date: 04/02/16 Time: 10:00					

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 440-143186-1

Login Number: 143186

List Source: TestAmerica Irvine

List Number: 1

Creator: Garcia, Veronica G

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	